

Meeting Agenda

May 10, 2016 Telephone
Conference Call
at 1:30 Eastern/Standard

MEET-ME NUMBER

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Jody Bryant Newman, EdD, EdS
Chair

Joe Baker, Jr.
Executive Director

May 10, 2016
at 1:30 p.m. Eastern/Standard

Board Members:

Jody Bryant Newman, EdD, EdS Consumer- Chair
Kathryn L. Whitson MSN, RN, Vice-Chair
Anna Maria Hubbard, EdD, ARNP, CNE
Elizabeth Webster, RN, MBA
Leonard Connors, JD, Consumer
Lisa Renee Johnson, LPN, RN
Diana Forst, BA, RN
Deborah McKeen, CD-LPN, BS
Lori Desmond, MSN, RN, NE-BC
Derrick C. Glymph, DNAP, CRNA, ARNP, LTC, USAR
Cathy Oles Gordon, LPN, BPS

Attorney General's Office:

Lee Ann Gustafson, Senior Assistant Attorney General

Board Office Staff:

Joe Baker, Jr., Executive Director
Jessica Hollingsworth, Program Operations Administrator
William Spooner, Program Operations Administrator
Sherri Sutton-Johnson, MSN, RN, Director of Nursing Education
Templar Harper, Regulatory Supervisor/Consultant

Call to Order

Roll call

Board Members:

Jody Bryant Newman, EdD, EdS Consumer- Chair
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- I. Discussion
 - A. Appointment of Controlled Substances Formulary Committee created in Ch. 2016-224, LOF
 - i. <http://laws.flrules.org/2016/224>; section 12, page 16 of Agenda
 - B. Board of Medicine Recommendations
 - i. Bernardo B. Fernandez, Jr., MD, MBA, FACP
 - ii. Joshua D. Lenchus, DO, RPh, FACP, SFHM
 - iii. Eduardo C. Oliveira, MD, MBA, FCCP
 - C. Board of Pharmacy Recommendation
 - i. Jeffrey Mesaros, PharmD, JD
 - D. Delegation to Board Chair to Appoint ARNP Committee Members and Designate Committee Chair
 - E. Other
- II. Adjournment

For more information regarding board meetings please visit <http://floridasnursing.gov/meeting-information/>

Or contact:

Florida Board of Nursing
4052 Bald Cypress Way, Bin # C-02 Tallahassee, FL 32399-3252

Direct Line: (850)245-4125/Direct Fax: (850)617-6450

Email: info@floridasnursing.gov

CHAPTER 2016-224

House Bill No. 423

An act relating to access to health care services; amending s. 110.12315, F.S.; expanding the categories of persons who may prescribe brand name drugs under the prescription drug program when medically necessary; amending ss. 310.071, 310.073, and 310.081, F.S.; exempting controlled substances prescribed by an advanced registered nurse practitioner or a physician assistant from the disqualifications for certification or licensure, and for continued certification or licensure, as a deputy pilot or state pilot; amending s. 456.072, F.S.; applying existing penalties for violations relating to the prescribing or dispensing of controlled substances by an advanced registered nurse practitioner; amending s. 456.44, F.S.; defining the term “registrant”; deleting an obsolete date; requiring advanced registered nurse practitioners and physician assistants who prescribe controlled substances for the treatment of certain pain to make a certain designation, comply with registration requirements, and follow specified standards of practice; providing applicability; amending ss. 458.3265 and 459.0137, F.S.; limiting the authority to prescribe a controlled substance in a pain-management clinic only to a physician licensed under ch. 458 or ch. 459, F.S.; amending s. 458.347, F.S.; revising the required continuing education requirements for a physician assistant; requiring that a specified formulary limit the prescription of certain controlled substances by physician assistants as of a specified date; amending s. 464.003, F.S.; revising the term “advanced or specialized nursing practice”; deleting the joint committee established in the definition; amending s. 464.012, F.S.; requiring the Board of Nursing to establish a committee to recommend a formulary of controlled substances that may not be prescribed, or may be prescribed only on a limited basis, by an advanced registered nurse practitioner; specifying the membership of the committee; providing parameters for the formulary; requiring that the formulary be adopted by board rule; specifying the process for amending the formulary and imposing a burden of proof; limiting the formulary’s application in certain instances; requiring the board to adopt the committee’s initial recommendations by a specified date; providing a short title; authorizing an advanced registered nurse practitioner to prescribe, dispense, administer, or order drugs, including certain controlled substances under certain circumstances, as of a specified date; amending s. 464.013, F.S.; revising continuing education requirements for renewal of a license or certificate; amending s. 464.018, F.S.; specifying acts that constitute grounds for denial of a license or for disciplinary action against an advanced registered nurse practitioner; creating s. 627.42392, F.S.; defining the term “health insurer”; requiring that certain health insurers that do not already use a certain form use only a prior authorization form approved by the Financial Services Commission in consultation with the Agency for Health Care Administration; requiring the commission in consultation with the agency to adopt by rule guidelines for such forms; providing that prior-

authorization approvals do not preclude certain benefit verifications or medical reviews; amending s. 766.1115, F.S.; revising the definition of the term “contract”; amending s. 893.02, F.S.; revising the term “practitioner” to include advanced registered nurse practitioners and physician assistants under the Florida Comprehensive Drug Abuse Prevention and Control Act if a certain requirement is met; amending s. 948.03, F.S.; providing that possession of drugs or narcotics prescribed by an advanced registered nurse practitioner or a physician assistant does not violate a prohibition relating to the possession of drugs or narcotics during probation; amending ss. 458.348 and 459.025, F.S.; conforming provisions to changes made by the act; reenacting ss. 458.331(10), 458.347(7)(g), 459.015(10), 459.022(7)(f), and 465.0158(5)(b), F.S., to incorporate the amendment made to s. 456.072, F.S., in references thereto; reenacting ss. 456.072(1)(mm) and 466.02751, F.S., to incorporate the amendment made to s. 456.44, F.S., in references thereto; reenacting ss. 458.303, 458.3475(7)(b), 459.022(4)(e) and (9)(c), and 459.023(7)(b), F.S., to incorporate the amendment made to s. 458.347, F.S., in references thereto; reenacting s. 464.012(3)(c), F.S., to incorporate the amendment made to s. 464.003, F.S., in a reference thereto; reenacting ss. 456.041(1)(a), 458.348(1) and (2), and 459.025(1), F.S., to incorporate the amendment made to s. 464.012, F.S., in references thereto; reenacting s. 464.0205(7), F.S., to incorporate the amendment made to s. 464.013, F.S., in a reference thereto; reenacting ss. 320.0848(11), 464.008(2), 464.009(5), and 464.0205(1)(b), (3), and (4)(b), F.S., to incorporate the amendment made to s. 464.018, F.S., in references thereto; reenacting s. 775.051, F.S., to incorporate the amendment made to s. 893.02, F.S., in a reference thereto; reenacting ss. 944.17(3)(a), 948.001(8), and 948.101(1)(e), F.S., to incorporate the amendment made to s. 948.03, F.S., in references thereto; providing effective dates.

Be It Enacted by the Legislature of the State of Florida:

Section 1. Subsection (7) of section 110.12315, Florida Statutes, is amended to read:

110.12315 Prescription drug program.—The state employees’ prescription drug program is established. This program shall be administered by the Department of Management Services, according to the terms and conditions of the plan as established by the relevant provisions of the annual General Appropriations Act and implementing legislation, subject to the following conditions:

(7) The department shall establish the reimbursement schedule for prescription pharmaceuticals dispensed under the program. Reimbursement rates for a prescription pharmaceutical must be based on the cost of the generic equivalent drug if a generic equivalent exists, unless the physician, advanced registered nurse practitioner, or physician assistant prescribing the pharmaceutical clearly states on the prescription that the brand name drug is medically necessary or that the drug product is included on the

formulary of drug products that may not be interchanged as provided in chapter 465, in which case reimbursement must be based on the cost of the brand name drug as specified in the reimbursement schedule adopted by the department.

Section 2. Paragraph (c) of subsection (1) of section 310.071, Florida Statutes, is amended, and subsection (3) of that section is republished, to read:

310.071 Deputy pilot certification.—

(1) In addition to meeting other requirements specified in this chapter, each applicant for certification as a deputy pilot must:

(c) Be in good physical and mental health, as evidenced by documentary proof of having satisfactorily passed a complete physical examination administered by a licensed physician within the preceding 6 months. The board shall adopt rules to establish requirements for passing the physical examination, which rules shall establish minimum standards for the physical or mental capabilities necessary to carry out the professional duties of a certificated deputy pilot. Such standards shall include zero tolerance for any controlled substance regulated under chapter 893 unless that individual is under the care of a physician, an advanced registered nurse practitioner, or a physician assistant and that controlled substance was prescribed by that physician, advanced registered nurse practitioner, or physician assistant. To maintain eligibility as a certificated deputy pilot, each certificated deputy pilot must annually provide documentary proof of having satisfactorily passed a complete physical examination administered by a licensed physician. The physician must know the minimum standards and certify that the certificateholder satisfactorily meets the standards. The standards for certificateholders shall include a drug test.

(3) The initial certificate issued to a deputy pilot shall be valid for a period of 12 months, and at the end of this period, the certificate shall automatically expire and shall not be renewed. During this period, the board shall thoroughly evaluate the deputy pilot's performance for suitability to continue training and shall make appropriate recommendations to the department. Upon receipt of a favorable recommendation by the board, the department shall issue a certificate to the deputy pilot, which shall be valid for a period of 2 years. The certificate may be renewed only two times, except in the case of a fully licensed pilot who is cross-licensed as a deputy pilot in another port, and provided the deputy pilot meets the requirements specified for pilots in paragraph (1)(c).

Section 3. Subsection (3) of section 310.073, Florida Statutes, is amended to read:

310.073 State pilot licensing.—In addition to meeting other requirements specified in this chapter, each applicant for license as a state pilot must:

(3) Be in good physical and mental health, as evidenced by documentary proof of having satisfactorily passed a complete physical examination administered by a licensed physician within the preceding 6 months. The board shall adopt rules to establish requirements for passing the physical examination, which rules shall establish minimum standards for the physical or mental capabilities necessary to carry out the professional duties of a licensed state pilot. Such standards shall include zero tolerance for any controlled substance regulated under chapter 893 unless that individual is under the care of a physician, an advanced registered nurse practitioner, or a physician assistant and that controlled substance was prescribed by that physician, advanced registered nurse practitioner, or physician assistant. To maintain eligibility as a licensed state pilot, each licensed state pilot must annually provide documentary proof of having satisfactorily passed a complete physical examination administered by a licensed physician. The physician must know the minimum standards and certify that the licensee satisfactorily meets the standards. The standards for licensees shall include a drug test.

Section 4. Paragraph (b) of subsection (3) of section 310.081, Florida Statutes, is amended to read:

310.081 Department to examine and license state pilots and certificate deputy pilots; vacancies.—

(3) Pilots shall hold their licenses or certificates pursuant to the requirements of this chapter so long as they:

(b) Are in good physical and mental health as evidenced by documentary proof of having satisfactorily passed a physical examination administered by a licensed physician or physician assistant within each calendar year. The board shall adopt rules to establish requirements for passing the physical examination, which rules shall establish minimum standards for the physical or mental capabilities necessary to carry out the professional duties of a licensed state pilot or a certificated deputy pilot. Such standards shall include zero tolerance for any controlled substance regulated under chapter 893 unless that individual is under the care of a physician, an advanced registered nurse practitioner, or a physician assistant and that controlled substance was prescribed by that physician, advanced registered nurse practitioner, or physician assistant. To maintain eligibility as a certificated deputy pilot or licensed state pilot, each certificated deputy pilot or licensed state pilot must annually provide documentary proof of having satisfactorily passed a complete physical examination administered by a licensed physician. The physician must know the minimum standards and certify that the certificateholder or licensee satisfactorily meets the standards. The standards for certificateholders and for licensees shall include a drug test.

Upon resignation or in the case of disability permanently affecting a pilot's ability to serve, the state license or certificate issued under this chapter shall be revoked by the department.

Section 5. Subsection (7) of section 456.072, Florida Statutes, is amended to read:

456.072 Grounds for discipline; penalties; enforcement.—

(7) Notwithstanding subsection (2), upon a finding that a physician has prescribed or dispensed a controlled substance, or caused a controlled substance to be prescribed or dispensed, in a manner that violates the standard of practice set forth in s. 458.331(1)(q) or (t), s. 459.015(1)(t) or (x), s. 461.013(1)(o) or (s), or s. 466.028(1)(p) or (x), or that an advanced registered nurse practitioner has prescribed or dispensed a controlled substance, or caused a controlled substance to be prescribed or dispensed, in a manner that violates the standard of practice set forth in s. 464.018(1)(n) or (p)~~6.~~ the physician or advanced registered nurse practitioner shall be suspended for a period of not less than 6 months and pay a fine of not less than \$10,000 per count. Repeated violations shall result in increased penalties.

Section 6. Section 456.44, Florida Statutes, is amended to read:

456.44 Controlled substance prescribing.—

(1) DEFINITIONS.—As used in this section, the term:

(a) “Addiction medicine specialist” means a board-certified psychiatrist with a subspecialty certification in addiction medicine or who is eligible for such subspecialty certification in addiction medicine, an addiction medicine physician certified or eligible for certification by the American Society of Addiction Medicine, or an osteopathic physician who holds a certificate of added qualification in Addiction Medicine through the American Osteopathic Association.

(b) “Adverse incident” means any incident set forth in s. 458.351(4)(a)-(e) or s. 459.026(4)(a)-(e).

(c) “Board-certified pain management physician” means a physician who possesses board certification in pain medicine by the American Board of Pain Medicine, board certification by the American Board of Interventional Pain Physicians, or board certification or subcertification in pain management or pain medicine by a specialty board recognized by the American Association of Physician Specialists or the American Board of Medical Specialties or an osteopathic physician who holds a certificate in Pain Management by the American Osteopathic Association.

(d) “Board eligible” means successful completion of an anesthesia, physical medicine and rehabilitation, rheumatology, or neurology residency program approved by the Accreditation Council for Graduate Medical Education or the American Osteopathic Association for a period of 6 years from successful completion of such residency program.

(e) “Chronic nonmalignant pain” means pain unrelated to cancer which persists beyond the usual course of disease or the injury that is the cause of the pain or more than 90 days after surgery.

(f) “Mental health addiction facility” means a facility licensed under chapter 394 or chapter 397.

(g) “Registrant” means a physician, a physician assistant, or an advanced registered nurse practitioner who meets the requirements of subsection (2).

(2) REGISTRATION.—~~Effective January 1, 2012,~~ A physician licensed under chapter 458, chapter 459, chapter 461, or chapter 466, a physician assistant licensed under chapter 458 or chapter 459, or an advanced registered nurse practitioner certified under part I of chapter 464 who prescribes any controlled substance, listed in Schedule II, Schedule III, or Schedule IV as defined in s. 893.03, for the treatment of chronic nonmalignant pain, must:

(a) Designate himself or herself as a controlled substance prescribing practitioner on his or her ~~the physician’s~~ practitioner profile.

(b) Comply with the requirements of this section and applicable board rules.

(3) STANDARDS OF PRACTICE.—The standards of practice in this section do not supersede the level of care, skill, and treatment recognized in general law related to health care licensure.

(a) A complete medical history and a physical examination must be conducted before beginning any treatment and must be documented in the medical record. The exact components of the physical examination shall be left to the judgment of the ~~registrant clinician~~ who is expected to perform a physical examination proportionate to the diagnosis that justifies a treatment. The medical record must, at a minimum, document the nature and intensity of the pain, current and past treatments for pain, underlying or coexisting diseases or conditions, the effect of the pain on physical and psychological function, a review of previous medical records, previous diagnostic studies, and history of alcohol and substance abuse. The medical record shall also document the presence of one or more recognized medical indications for the use of a controlled substance. Each registrant must develop a written plan for assessing each patient’s risk of aberrant drug-related behavior, which may include patient drug testing. Registrants must assess each patient’s risk for aberrant drug-related behavior and monitor that risk on an ongoing basis in accordance with the plan.

(b) Each registrant must develop a written individualized treatment plan for each patient. The treatment plan shall state objectives that will be used to determine treatment success, such as pain relief and improved physical and psychosocial function, and shall indicate if any further

diagnostic evaluations or other treatments are planned. After treatment begins, the ~~registrant~~ physician shall adjust drug therapy to the individual medical needs of each patient. Other treatment modalities, including a rehabilitation program, shall be considered depending on the etiology of the pain and the extent to which the pain is associated with physical and psychosocial impairment. The interdisciplinary nature of the treatment plan shall be documented.

(c) The ~~registrant~~ physician shall discuss the risks and benefits of the use of controlled substances, including the risks of abuse and addiction, as well as physical dependence and its consequences, with the patient, persons designated by the patient, or the patient's surrogate or guardian if the patient is incompetent. The ~~registrant~~ physician shall use a written controlled substance agreement between the ~~registrant~~ physician and the patient outlining the patient's responsibilities, including, but not limited to:

1. Number and frequency of controlled substance prescriptions and refills.
2. Patient compliance and reasons for which drug therapy may be discontinued, such as a violation of the agreement.
3. An agreement that controlled substances for the treatment of chronic nonmalignant pain shall be prescribed by a single treating ~~registrant~~ physician unless otherwise authorized by the treating ~~registrant~~ physician and documented in the medical record.

(d) The patient shall be seen by the ~~registrant~~ physician at regular intervals, not to exceed 3 months, to assess the efficacy of treatment, ensure that controlled substance therapy remains indicated, evaluate the patient's progress toward treatment objectives, consider adverse drug effects, and review the etiology of the pain. Continuation or modification of therapy shall depend on the ~~registrant's~~ physician's evaluation of the patient's progress. If treatment goals are not being achieved, despite medication adjustments, the ~~registrant~~ physician shall reevaluate the appropriateness of continued treatment. The ~~registrant~~ physician shall monitor patient compliance in medication usage, related treatment plans, controlled substance agreements, and indications of substance abuse or diversion at a minimum of 3-month intervals.

(e) The ~~registrant~~ physician shall refer the patient as necessary for additional evaluation and treatment in order to achieve treatment objectives. Special attention shall be given to those patients who are at risk for misusing their medications and those whose living arrangements pose a risk for medication misuse or diversion. The management of pain in patients with a history of substance abuse or with a comorbid psychiatric disorder requires extra care, monitoring, and documentation and requires consultation with or referral to an addiction medicine specialist or a psychiatrist.

(f) A registrant ~~physician registered under this section~~ must maintain accurate, current, and complete records that are accessible and readily available for review and comply with the requirements of this section, the applicable practice act, and applicable board rules. The medical records must include, but are not limited to:

1. The complete medical history and a physical examination, including history of drug abuse or dependence.
2. Diagnostic, therapeutic, and laboratory results.
3. Evaluations and consultations.
4. Treatment objectives.
5. Discussion of risks and benefits.
6. Treatments.
7. Medications, including date, type, dosage, and quantity prescribed.
8. Instructions and agreements.
9. Periodic reviews.
10. Results of any drug testing.
11. A photocopy of the patient's government-issued photo identification.
12. If a written prescription for a controlled substance is given to the patient, a duplicate of the prescription.
13. The registrant's ~~physician's~~ full name presented in a legible manner.

(g) A registrant shall immediately refer patients with signs or symptoms of substance abuse ~~shall be immediately referred~~ to a board-certified pain management physician, an addiction medicine specialist, or a mental health addiction facility as it pertains to drug abuse or addiction unless the registrant is a physician who is board-certified or board-eligible in pain management. Throughout the period of time before receiving the consultant's report, a prescribing registrant ~~physician~~ shall clearly and completely document medical justification for continued treatment with controlled substances and those steps taken to ensure medically appropriate use of controlled substances by the patient. Upon receipt of the consultant's written report, the prescribing registrant ~~physician~~ shall incorporate the consultant's recommendations for continuing, modifying, or discontinuing controlled substance therapy. The resulting changes in treatment shall be specifically documented in the patient's medical record. Evidence or behavioral indications of diversion shall be followed by discontinuation of controlled substance therapy, and the patient shall be discharged, and all results of testing and actions taken by the registrant ~~physician~~ shall be documented in the patient's medical record.

This subsection does not apply to a board-eligible or board-certified anesthesiologist, physiatrist, rheumatologist, or neurologist, or to a board-certified physician who has surgical privileges at a hospital or ambulatory surgery center and primarily provides surgical services. This subsection does not apply to a board-eligible or board-certified medical specialist who has also completed a fellowship in pain medicine approved by the Accreditation Council for Graduate Medical Education or the American Osteopathic Association, or who is board eligible or board certified in pain medicine by the American Board of Pain Medicine, the American Board of Interventional Pain Physicians, the American Association of Physician Specialists, or a board approved by the American Board of Medical Specialties or the American Osteopathic Association and performs interventional pain procedures of the type routinely billed using surgical codes. This subsection does not apply to a registrant physician who prescribes medically necessary controlled substances for a patient during an inpatient stay in a hospital licensed under chapter 395.

Section 7. Paragraph (b) of subsection (2) of section 458.3265, Florida Statutes, is amended to read:

458.3265 Pain-management clinics.—

(2) PHYSICIAN RESPONSIBILITIES.—These responsibilities apply to any physician who provides professional services in a pain-management clinic that is required to be registered in subsection (1).

(b) ~~Only a person may not dispense any medication on the premises of a registered pain-management clinic unless he or she is a physician licensed under this chapter or chapter 459 may dispense medication or prescribe a controlled substance regulated under chapter 893 on the premises of a registered pain-management clinic.~~

Section 8. Paragraph (b) of subsection (2) of section 459.0137, Florida Statutes, is amended to read:

459.0137 Pain-management clinics.—

(2) PHYSICIAN RESPONSIBILITIES.—These responsibilities apply to any osteopathic physician who provides professional services in a pain-management clinic that is required to be registered in subsection (1).

(b) ~~Only a person may not dispense any medication on the premises of a registered pain-management clinic unless he or she is a physician licensed under this chapter or chapter 458 may dispense medication or prescribe a controlled substance regulated under chapter 893 on the premises of a registered pain-management clinic.~~

Section 9. Paragraph (e) of subsection (4) of section 458.347, Florida Statutes, is amended, and paragraph (c) of subsection (9) of that section is republished, to read:

458.347 Physician assistants.—

(4) PERFORMANCE OF PHYSICIAN ASSISTANTS.—

(e) A supervisory physician may delegate to a fully licensed physician assistant the authority to prescribe or dispense any medication used in the supervisory physician's practice unless such medication is listed on the formulary created pursuant to paragraph (f). A fully licensed physician assistant may only prescribe or dispense such medication under the following circumstances:

1. A physician assistant must clearly identify to the patient that he or she is a physician assistant. Furthermore, the physician assistant must inform the patient that the patient has the right to see the physician prior to any prescription being prescribed or dispensed by the physician assistant.

2. The supervisory physician must notify the department of his or her intent to delegate, on a department-approved form, before delegating such authority and notify the department of any change in prescriptive privileges of the physician assistant. Authority to dispense may be delegated only by a supervising physician who is registered as a dispensing practitioner in compliance with s. 465.0276.

3. The physician assistant must file with the department a signed affidavit that he or she has completed a minimum of 10 continuing medical education hours in the specialty practice in which the physician assistant has prescriptive privileges with each licensure renewal application. Three of the 10 hours must consist of a continuing education course on the safe and effective prescribing of controlled substance medications which is offered by a statewide professional association of physicians in this state accredited to provide educational activities designated for the American Medical Association Physician's Recognition Award Category 1 credit or designated by the American Academy of Physician Assistants as a Category 1 credit.

4. The department may issue a prescriber number to the physician assistant granting authority for the prescribing of medicinal drugs authorized within this paragraph upon completion of the foregoing requirements. The physician assistant shall not be required to independently register pursuant to s. 465.0276.

5. The prescription must be written in a form that complies with chapter 499 and must contain, in addition to the supervisory physician's name, address, and telephone number, the physician assistant's prescriber number. Unless it is a drug or drug sample dispensed by the physician assistant, the prescription must be filled in a pharmacy permitted under chapter 465 and must be dispensed in that pharmacy by a pharmacist licensed under chapter 465. The appearance of the prescriber number creates a presumption that the physician assistant is authorized to prescribe the medicinal drug and the prescription is valid.

6. The physician assistant must note the prescription or dispensing of medication in the appropriate medical record.

(9) COUNCIL ON PHYSICIAN ASSISTANTS.—The Council on Physician Assistants is created within the department.

(c) The council shall:

1. Recommend to the department the licensure of physician assistants.

2. Develop all rules regulating the use of physician assistants by physicians under this chapter and chapter 459, except for rules relating to the formulary developed under paragraph (4)(f). The council shall also develop rules to ensure that the continuity of supervision is maintained in each practice setting. The boards shall consider adopting a proposed rule developed by the council at the regularly scheduled meeting immediately following the submission of the proposed rule by the council. A proposed rule submitted by the council may not be adopted by either board unless both boards have accepted and approved the identical language contained in the proposed rule. The language of all proposed rules submitted by the council must be approved by both boards pursuant to each respective board's guidelines and standards regarding the adoption of proposed rules. If either board rejects the council's proposed rule, that board must specify its objection to the council with particularity and include any recommendations it may have for the modification of the proposed rule.

3. Make recommendations to the boards regarding all matters relating to physician assistants.

4. Address concerns and problems of practicing physician assistants in order to improve safety in the clinical practices of licensed physician assistants.

Section 10. Effective January 1, 2017, paragraph (f) of subsection (4) of section 458.347, Florida Statutes, is amended to read:

458.347 Physician assistants.—

(4) PERFORMANCE OF PHYSICIAN ASSISTANTS.—

(f)1. The council shall establish a formulary of medicinal drugs that a fully licensed physician assistant having prescribing authority under this section or s. 459.022 may not prescribe. The formulary must include ~~controlled substances as defined in chapter 893~~; general anesthetics; and radiographic contrast materials, and must limit the prescription of Schedule II controlled substances as listed in s. 893.03 to a 7-day supply. The formulary must also restrict the prescribing of psychiatric mental health controlled substances for children younger than 18 years of age.

2. In establishing the formulary, the council shall consult with a pharmacist licensed under chapter 465, but not licensed under this chapter or chapter 459, who shall be selected by the State Surgeon General.

3. Only the council shall add to, delete from, or modify the formulary. Any person who requests an addition, a deletion, or a modification of a medicinal drug listed on such formulary has the burden of proof to show cause why such addition, deletion, or modification should be made.

4. The boards shall adopt the formulary required by this paragraph, and each addition, deletion, or modification to the formulary, by rule. Notwithstanding any provision of chapter 120 to the contrary, the formulary rule shall be effective 60 days after the date it is filed with the Secretary of State. Upon adoption of the formulary, the department shall mail a copy of such formulary to each fully licensed physician assistant having prescribing authority under this section or s. 459.022, and to each pharmacy licensed by the state. The boards shall establish, by rule, a fee not to exceed \$200 to fund the provisions of this paragraph and paragraph (e).

Section 11. Subsection (2) of section 464.003, Florida Statutes, is amended to read:

464.003 Definitions.—As used in this part, the term:

(2) “Advanced or specialized nursing practice” means, in addition to the practice of professional nursing, the performance of advanced-level nursing acts approved by the board which, by virtue of postbasic specialized education, training, and experience, are appropriately performed by an advanced registered nurse practitioner. Within the context of advanced or specialized nursing practice, the advanced registered nurse practitioner may perform acts of nursing diagnosis and nursing treatment of alterations of the health status. The advanced registered nurse practitioner may also perform acts of medical diagnosis and treatment, prescription, and operation as authorized within the framework of an established supervisory protocol which are identified and approved by a joint committee composed of three members appointed by the Board of Nursing, two of whom must be advanced registered nurse practitioners; three members appointed by the Board of Medicine, two of whom must have had work experience with advanced registered nurse practitioners; and the State Surgeon General or the State Surgeon General’s designee. Each committee member appointed by a board shall be appointed to a term of 4 years unless a shorter term is required to establish or maintain staggered terms. The Board of Nursing shall adopt rules authorizing the performance of any such acts approved by the joint committee. Unless otherwise specified by the joint committee, such acts must be performed under the general supervision of a practitioner licensed under chapter 458, chapter 459, or chapter 466 within the framework of standing protocols which identify the medical acts to be performed and the conditions for their performance. The department may, by rule, require that a copy of the protocol be filed with the department along with the notice required by s. 458.348.

Section 12. Section 464.012, Florida Statutes, is amended to read:

464.012 Certification of advanced registered nurse practitioners; fees; controlled substance prescribing.—

(1) Any nurse desiring to be certified as an advanced registered nurse practitioner shall apply to the department and submit proof that he or she holds a current license to practice professional nursing and that he or she meets one or more of the following requirements as determined by the board:

(a) Satisfactory completion of a formal postbasic educational program of at least one academic year, the primary purpose of which is to prepare nurses for advanced or specialized practice.

(b) Certification by an appropriate specialty board. Such certification shall be required for initial state certification and any recertification as a registered nurse anesthetist or nurse midwife. The board may by rule provide for provisional state certification of graduate nurse anesthetists and nurse midwives for a period of time determined to be appropriate for preparing for and passing the national certification examination.

(c) Graduation from a program leading to a master's degree in a nursing clinical specialty area with preparation in specialized practitioner skills. For applicants graduating on or after October 1, 1998, graduation from a master's degree program shall be required for initial certification as a nurse practitioner under paragraph (4)(c). For applicants graduating on or after October 1, 2001, graduation from a master's degree program shall be required for initial certification as a registered nurse anesthetist under paragraph (4)(a).

(2) The board shall provide by rule the appropriate requirements for advanced registered nurse practitioners in the categories of certified registered nurse anesthetist, certified nurse midwife, and nurse practitioner.

(3) An advanced registered nurse practitioner shall perform those functions authorized in this section within the framework of an established protocol that is filed with the board upon biennial license renewal and within 30 days after entering into a supervisory relationship with a physician or changes to the protocol. The board shall review the protocol to ensure compliance with applicable regulatory standards for protocols. The board shall refer to the department licensees submitting protocols that are not compliant with the regulatory standards for protocols. A practitioner currently licensed under chapter 458, chapter 459, or chapter 466 shall maintain supervision for directing the specific course of medical treatment. Within the established framework, an advanced registered nurse practitioner may:

(a) Monitor and alter drug therapies.

(b) Initiate appropriate therapies for certain conditions.

(c) Perform additional functions as may be determined by rule in accordance with s. 464.003(2).

(d) Order diagnostic tests and physical and occupational therapy.

(4) In addition to the general functions specified in subsection (3), an advanced registered nurse practitioner may perform the following acts within his or her specialty:

(a) The certified registered nurse anesthetist may, to the extent authorized by established protocol approved by the medical staff of the facility in which the anesthetic service is performed, perform any or all of the following:

1. Determine the health status of the patient as it relates to the risk factors and to the anesthetic management of the patient through the performance of the general functions.

2. Based on history, physical assessment, and supplemental laboratory results, determine, with the consent of the responsible physician, the appropriate type of anesthesia within the framework of the protocol.

3. Order under the protocol preanesthetic medication.

4. Perform under the protocol procedures commonly used to render the patient insensible to pain during the performance of surgical, obstetrical, therapeutic, or diagnostic clinical procedures. These procedures include ordering and administering regional, spinal, and general anesthesia; inhalation agents and techniques; intravenous agents and techniques; and techniques of hypnosis.

5. Order or perform monitoring procedures indicated as pertinent to the anesthetic health care management of the patient.

6. Support life functions during anesthesia health care, including induction and intubation procedures, the use of appropriate mechanical supportive devices, and the management of fluid, electrolyte, and blood component balances.

7. Recognize and take appropriate corrective action for abnormal patient responses to anesthesia, adjunctive medication, or other forms of therapy.

8. Recognize and treat a cardiac arrhythmia while the patient is under anesthetic care.

9. Participate in management of the patient while in the postanesthesia recovery area, including ordering the administration of fluids and drugs.

10. Place special peripheral and central venous and arterial lines for blood sampling and monitoring as appropriate.

(b) The certified nurse midwife may, to the extent authorized by an established protocol which has been approved by the medical staff of the health care facility in which the midwifery services are performed, or approved by the nurse midwife’s physician backup when the delivery is performed in a patient’s home, perform any or all of the following:

1. Perform superficial minor surgical procedures.
2. Manage the patient during labor and delivery to include amniotomy, episiotomy, and repair.
3. Order, initiate, and perform appropriate anesthetic procedures.
4. Perform postpartum examination.
5. Order appropriate medications.
6. Provide family-planning services and well-woman care.
7. Manage the medical care of the normal obstetrical patient and the initial care of a newborn patient.

(c) The nurse practitioner may perform any or all of the following acts within the framework of established protocol:

1. Manage selected medical problems.
2. Order physical and occupational therapy.
3. Initiate, monitor, or alter therapies for certain uncomplicated acute illnesses.
4. Monitor and manage patients with stable chronic diseases.
5. Establish behavioral problems and diagnosis and make treatment recommendations.

(5) The board shall certify, and the department shall issue a certificate to, any nurse meeting the qualifications in this section. The board shall establish an application fee not to exceed \$100 and a biennial renewal fee not to exceed \$50. The board is authorized to adopt such other rules as are necessary to implement the provisions of this section.

(6)(a) The board shall establish a committee to recommend a formulary of controlled substances that an advanced registered nurse practitioner may not prescribe or may prescribe only for specific uses or in limited quantities. The committee must consist of three advanced registered nurse practitioners licensed under this section, recommended by the board; three physicians licensed under chapter 458 or chapter 459 who have work experience with advanced registered nurse practitioners, recommended by the Board of Medicine; and a pharmacist licensed under chapter 465 who is a doctor of pharmacy, recommended by the Board of Pharmacy. The committee may

recommend an evidence-based formulary applicable to all advanced registered nurse practitioners which is limited by specialty certification, is limited to approved uses of controlled substances, or is subject to other similar restrictions the committee finds are necessary to protect the health, safety, and welfare of the public. The formulary must restrict the prescribing of psychiatric mental health controlled substances for children younger than 18 years of age to advanced registered nurse practitioners who also are psychiatric nurses as defined in s. 394.455. The formulary must also limit the prescribing of Schedule II controlled substances as listed in s. 893.03 to a 7-day supply, except that such restriction does not apply to controlled substances that are psychiatric medications prescribed by psychiatric nurses as defined in s. 394.455.

(b) The board shall adopt by rule the recommended formulary and any revision to the formulary which it finds is supported by evidence-based clinical findings presented by the Board of Medicine, the Board of Osteopathic Medicine, or the Board of Dentistry.

(c) The formulary required under this subsection does not apply to a controlled substance that is dispensed for administration pursuant to an order, including an order for medication authorized by subparagraph (4)(a) 3., subparagraph (4)(a)4., or subparagraph (4)(a)9.

(d) The board shall adopt the committee's initial recommendation no later than October 31, 2016.

(7) This section shall be known as "The Barbara Lumpkin Prescribing Act."

Section 13. Effective January 1, 2017, subsection (3) of section 464.012, Florida Statutes, as amended by this act, is amended to read:

464.012 Certification of advanced registered nurse practitioners; fees; controlled substance prescribing.—

(3) An advanced registered nurse practitioner shall perform those functions authorized in this section within the framework of an established protocol that is filed with the board upon biennial license renewal and within 30 days after entering into a supervisory relationship with a physician or changes to the protocol. The board shall review the protocol to ensure compliance with applicable regulatory standards for protocols. The board shall refer to the department licensees submitting protocols that are not compliant with the regulatory standards for protocols. A practitioner currently licensed under chapter 458, chapter 459, or chapter 466 shall maintain supervision for directing the specific course of medical treatment. Within the established framework, an advanced registered nurse practitioner may:

(a) Prescribe, dispense, administer, or order any drug; however, an advanced registered nurse practitioner may prescribe or dispense a

controlled substance as defined in s. 893.03 only if the advanced registered nurse practitioner has graduated from a program leading to a master's or doctoral degree in a clinical nursing specialty area with training in specialized practitioner skills ~~Monitor and alter drug therapies.~~

(b) Initiate appropriate therapies for certain conditions.

(c) Perform additional functions as may be determined by rule in accordance with s. 464.003(2).

(d) Order diagnostic tests and physical and occupational therapy.

Section 14. Subsection (3) of section 464.013, Florida Statutes, is amended to read:

464.013 Renewal of license or certificate.—

(3) The board shall by rule prescribe up to 30 hours of continuing education biennially as a condition for renewal of a license or certificate.

(a) A nurse who is certified by a health care specialty program accredited by the National Commission for Certifying Agencies or the Accreditation Board for Specialty Nursing Certification is exempt from continuing education requirements. The criteria for programs must ~~shall~~ be approved by the board.

(b) Notwithstanding the exemption in paragraph (a), as part of the maximum 30 hours of continuing education hours required under this subsection, advanced registered nurse practitioners certified under s. 464.012 must complete at least 3 hours of continuing education on the safe and effective prescription of controlled substances. Such continuing education courses must be offered by a statewide professional association of physicians in this state accredited to provide educational activities designated for the American Medical Association Physician's Recognition Award Category 1 credit, the American Nurses Credentialing Center, the American Association of Nurse Anesthetists, or the American Association of Nurse Practitioners and may be offered in a distance learning format.

Section 15. Paragraph (p) is added to subsection (1) of section 464.018, Florida Statutes, and subsection (2) of that section is republished, to read:

464.018 Disciplinary actions.—

(1) The following acts constitute grounds for denial of a license or disciplinary action, as specified in s. 456.072(2):

(p) For an advanced registered nurse practitioner:

1. Presigning blank prescription forms.

2. Prescribing for office use any medicinal drug appearing on Schedule II in chapter 893.

3. Prescribing, ordering, dispensing, administering, supplying, selling, or giving a drug that is an amphetamine, a sympathomimetic amine drug, or a compound designated in s. 893.03(2) as a Schedule II controlled substance, to or for any person except for:

a. The treatment of narcolepsy; hyperkinesia; behavioral syndrome in children characterized by the developmentally inappropriate symptoms of moderate to severe distractibility, short attention span, hyperactivity, emotional lability, and impulsivity; or drug-induced brain dysfunction.

b. The differential diagnostic psychiatric evaluation of depression or the treatment of depression shown to be refractory to other therapeutic modalities.

c. The clinical investigation of the effects of such drugs or compounds when an investigative protocol is submitted to, reviewed by, and approved by the department before such investigation is begun.

4. Prescribing, ordering, dispensing, administering, supplying, selling, or giving growth hormones, testosterone or its analogs, human chorionic gonadotropin (HCG), or other hormones for the purpose of muscle building or to enhance athletic performance. As used in this subparagraph, the term “muscle building” does not include the treatment of injured muscle. A prescription written for the drug products identified in this subparagraph may be dispensed by a pharmacist with the presumption that the prescription is for legitimate medical use.

5. Promoting or advertising on any prescription form a community pharmacy unless the form also states: “This prescription may be filled at any pharmacy of your choice.”

6. Prescribing, dispensing, administering, mixing, or otherwise preparing a legend drug, including a controlled substance, other than in the course of his or her professional practice. For the purposes of this subparagraph, it is legally presumed that prescribing, dispensing, administering, mixing, or otherwise preparing legend drugs, including all controlled substances, inappropriately or in excessive or inappropriate quantities is not in the best interest of the patient and is not in the course of the advanced registered nurse practitioner’s professional practice, without regard to his or her intent.

7. Prescribing, dispensing, or administering a medicinal drug appearing on any schedule set forth in chapter 893 to himself or herself, except a drug prescribed, dispensed, or administered to the advanced registered nurse practitioner by another practitioner authorized to prescribe, dispense, or administer medicinal drugs.

8. Prescribing, ordering, dispensing, administering, supplying, selling, or giving amygdalin (laetrile) to any person.

9. Dispensing a substance designated in s. 893.03(2) or (3) as a substance controlled in Schedule II or Schedule III, respectively, in violation of s. 465.0276.

10. Promoting or advertising through any communication medium the use, sale, or dispensing of a substance designated in s. 893.03 as a controlled substance.

(2) The board may enter an order denying licensure or imposing any of the penalties in s. 456.072(2) against any applicant for licensure or licensee who is found guilty of violating any provision of subsection (1) of this section or who is found guilty of violating any provision of s. 456.072(1).

Section 16. Section 627.42392, Florida Statutes, is created to read:

627.42392 Prior authorization.—

(1) As used in this section, the term “health insurer” means an authorized insurer offering health insurance as defined in s. 624.603, a managed care plan as defined in s. 409.962(9), or a health maintenance organization as defined in s. 641.19(12).

(2) Notwithstanding any other provision of law, in order to establish uniformity in the submission of prior authorization forms on or after January 1, 2017, a health insurer, or a pharmacy benefits manager on behalf of the health insurer, which does not use an electronic prior authorization form for its contracted providers shall use only the prior authorization form that has been approved by the Financial Services Commission in consultation with the Agency for Health Care Administration to obtain a prior authorization for a medical procedure, course of treatment, or prescription drug benefit. Such form may not exceed two pages in length, excluding any instructions or guiding documentation.

(3) The Financial Services Commission in consultation with the Agency for Health Care Administration shall adopt by rule guidelines for all prior authorization forms which ensure the general uniformity of such forms.

(4) Electronic prior-authorization approvals do not preclude benefit verification or medical review by the insurer under either the medical or pharmacy benefits.

Section 17. Paragraph (a) of subsection (3) of section 766.1115, Florida Statutes, is amended to read:

766.1115 Health care providers; creation of agency relationship with governmental contractors.—

(3) DEFINITIONS.—As used in this section, the term:

(a) “Contract” means an agreement executed in compliance with this section between a health care provider and a governmental contractor for

volunteer, uncompensated services which allows the health care provider to deliver health care services to low-income recipients as an agent of the governmental contractor. ~~The contract must be for volunteer, uncompensated services, except as provided in paragraph (4)(g).~~ For services to qualify as volunteer, uncompensated services under this section, the health care provider, or any employee or agent of the health care provider, must receive no compensation from the governmental contractor for any services provided under the contract and must not bill or accept compensation from the recipient, or a public or private third-party payor, for the specific services provided to the low-income recipients covered by the contract, except as provided in paragraph (4)(g). A free clinic as described in subparagraph (d) 14. may receive a legislative appropriation, a grant through a legislative appropriation, or a grant from a governmental entity or nonprofit corporation to support the delivery of contracted services by volunteer health care providers, including the employment of health care providers to supplement, coordinate, or support the delivery of such services. The appropriation or grant for the free clinic does not constitute compensation under this paragraph from the governmental contractor for services provided under the contract, nor does receipt or use of the appropriation or grant constitute the acceptance of compensation under this paragraph for the specific services provided to the low-income recipients covered by the contract.

Section 18. Subsection (21) of section 893.02, Florida Statutes, is amended to read:

893.02 Definitions.—The following words and phrases as used in this chapter shall have the following meanings, unless the context otherwise requires:

(21) “Practitioner” means a physician licensed under pursuant to chapter 458, a dentist licensed under pursuant to chapter 466, a veterinarian licensed under pursuant to chapter 474, an osteopathic physician licensed under pursuant to chapter 459, an advanced registered nurse practitioner certified under chapter 464, a naturopath licensed under pursuant to chapter 462, a certified optometrist licensed under pursuant to chapter 463, or a podiatric physician licensed under pursuant to chapter 461, or a physician assistant licensed under chapter 458 or chapter 459, provided such practitioner holds a valid federal controlled substance registry number.

Section 19. Paragraph (n) of subsection (1) of section 948.03, Florida Statutes, is amended to read:

948.03 Terms and conditions of probation.—

(1) The court shall determine the terms and conditions of probation. Conditions specified in this section do not require oral pronouncement at the time of sentencing and may be considered standard conditions of probation. These conditions may include among them the following, that the probationer or offender in community control shall:

(n) Be prohibited from using intoxicants to excess or possessing any drugs or narcotics unless prescribed by a physician, an advanced registered nurse practitioner, or a physician assistant. The probationer or community controllee may shall not knowingly visit places where intoxicants, drugs, or other dangerous substances are unlawfully sold, dispensed, or used.

Section 20. Paragraph (a) of subsection (1) and subsection (2) of section 458.348, Florida Statutes, are amended to read:

458.348 Formal supervisory relationships, standing orders, and established protocols; notice; standards.—

(1) NOTICE.—

(a) When a physician enters into a formal supervisory relationship or standing orders with an emergency medical technician or paramedic licensed pursuant to s. 401.27, which relationship or orders contemplate the performance of medical acts, or when a physician enters into an established protocol with an advanced registered nurse practitioner, which protocol contemplates the performance of medical acts ~~identified and approved by the joint committee pursuant to s. 464.003(2)~~ or acts set forth in s. 464.012(3) and (4), the physician shall submit notice to the board. The notice shall contain a statement in substantially the following form:

I, ...(name and professional license number of physician)..., of ...(address of physician)... have hereby entered into a formal supervisory relationship, standing orders, or an established protocol with ...(number of persons)... emergency medical technician(s), ...(number of persons)... paramedic(s), or ...(number of persons)... advanced registered nurse practitioner(s).

(2) ESTABLISHMENT OF STANDARDS BY JOINT COMMITTEE.—

The joint committee ~~created under s. 464.003(2)~~ shall determine minimum standards for the content of established protocols pursuant to which an advanced registered nurse practitioner may perform medical acts ~~identified and approved by the joint committee pursuant to s. 464.003(2)~~ or acts set forth in s. 464.012(3) and (4) and shall determine minimum standards for supervision of such acts by the physician, unless the joint committee determines that any act set forth in s. 464.012(3) or (4) is not a medical act. Such standards shall be based on risk to the patient and acceptable standards of medical care and shall take into account the special problems of medically underserved areas. The standards developed by the joint committee shall be adopted as rules by the Board of Nursing and the Board of Medicine for purposes of carrying out their responsibilities pursuant to part I of chapter 464 and this chapter, respectively, but neither board shall have disciplinary powers over the licensees of the other board.

Section 21. Paragraph (a) of subsection (1) of section 459.025, Florida Statutes, is amended to read:

459.025 Formal supervisory relationships, standing orders, and established protocols; notice; standards.—

(1) NOTICE.—

(a) When an osteopathic physician enters into a formal supervisory relationship or standing orders with an emergency medical technician or paramedic licensed pursuant to s. 401.27, which relationship or orders contemplate the performance of medical acts, or when an osteopathic physician enters into an established protocol with an advanced registered nurse practitioner, which protocol contemplates the performance of medical acts ~~identified and approved by the joint committee pursuant to s. 464.003(2)~~ or acts set forth in s. 464.012(3) and (4), the osteopathic physician shall submit notice to the board. The notice must contain a statement in substantially the following form:

I, ...(name and professional license number of osteopathic physician)..., of ...(address of osteopathic physician)... have hereby entered into a formal supervisory relationship, standing orders, or an established protocol with ... (number of persons)... emergency medical technician(s), ...(number of persons)... paramedic(s), or ...(number of persons)... advanced registered nurse practitioner(s).

Section 22. Subsection (10) of s. 458.331, paragraph (g) of subsection (7) of s. 458.347, subsection (10) of s. 459.015, paragraph (f) of subsection (7) of s. 459.022, and paragraph (b) of subsection (5) of s. 465.0158, Florida Statutes, are reenacted for the purpose of incorporating the amendment made by this act to s. 456.072, Florida Statutes, in references thereto.

Section 23. Paragraph (mm) of subsection (1) of s. 456.072 and s. 466.02751, Florida Statutes, are reenacted for the purpose of incorporating the amendment made by this act to s. 456.44, Florida Statutes, in references thereto.

Section 24. Section 458.303, paragraph (b) of subsection (7) of s. 458.3475, paragraph (e) of subsection (4) and paragraph (c) of subsection (9) of s. 459.022, and paragraph (b) of subsection (7) of s. 459.023, Florida Statutes, are reenacted for the purpose of incorporating the amendment made by this act to s. 458.347, Florida Statutes, in references thereto.

Section 25. Paragraph (c) of subsection (3) of s. 464.012, Florida Statutes, is reenacted for the purpose of incorporating the amendment made by this act to s. 464.003, Florida Statutes, in a reference thereto.

Section 26. Paragraph (a) of subsection (1) of s. 456.041, subsections (1) and (2) of s. 458.348, and subsection (1) of s. 459.025, Florida Statutes, are reenacted for the purpose of incorporating the amendment made by this act to s. 464.012, Florida Statutes, in references thereto.

Section 27. Subsection (7) of s. 464.0205, Florida Statutes, is reenacted for the purpose of incorporating the amendment made by this act to s. 464.013, Florida Statutes, in a reference thereto.

Section 28. Subsection (11) of s. 320.0848, subsection (2) of s. 464.008, subsection (5) of s. 464.009, and paragraph (b) of subsection (1), subsection (3), and paragraph (b) of subsection (4) of s. 464.0205, Florida Statutes, are reenacted for the purpose of incorporating the amendment made by this act to s. 464.018, Florida Statutes, in references thereto.

Section 29. Section 775.051, Florida Statutes, is reenacted for the purpose of incorporating the amendment made by this act to s. 893.02, Florida Statutes, in a reference thereto.

Section 30. Paragraph (a) of subsection (3) of s. 944.17, subsection (8) of s. 948.001, and paragraph (e) of subsection (1) of s. 948.101, Florida Statutes, are reenacted for the purpose of incorporating the amendment made by this act to s. 948.03, Florida Statutes, in references thereto.

Section 31. Except as otherwise expressly provided in this act, this act shall take effect upon becoming a law.

Approved by the Governor April 14, 2016.

Filed in Office Secretary of State April 14, 2016.

BERNARDO B. FERNANDEZ, JR., MD, MBA, FACP

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 Davie, FL 33330

PLACE OF BIRTH: Havana, Cuba

NATIONALITY: U.S. Citizen

MARRIED: Rosa Monte-Fernandez, MD
 Son – Steven
 Daughter – Cristina

EDUCATION:

UNDERGRADUATE: University of Miami, Coral Gables, FL.
 B.S. (Biology), 1983

MEDICAL SCHOOL: Ponce School of Medicine, Ponce, P.R.
 Medical Doctor, 1987

MBA University of Miami School of Business
 Coral Gables, FL 2011

EXECUTIVE DEVELOPMENT

The Wharton School of Business, University of Pennsylvania
 Philadelphia, PA 2007

RESIDENCY: The Cleveland Clinic Foundation
 Cleveland, Ohio, 1990

SPECIALTY: Internal Medicine

FELLOWSHIP: The Cleveland Clinic Foundation
 Cleveland, Ohio, 1991

SUB-SPECIALTY: Vascular Medicine (Peripheral Vascular Diseases)

HONORS:

Alpha Epsilon Delta Premedical Honor Society
 Golden Key National Honor Society Dean's List
 Fellow American College of Physicians
 Fellow American College of Angiology
 Fellow Society for Vascular Medicine and Biology
 Best Doctors in America-1998
 Health Network Foundation Service Excellence
 Chabad Lubavitch of Weston Community Service Award – 2013
 Association of Hispanic Healthcare Executives'
 Hospital Chief Executive of The Year Award – 2013
 South Florida Business Journal Power Leader in Healthcare,
 August 2, 2013
 Sun-Sentinel's "South Florida 100"

EXPERIENCE:**Baptist Health Medical Group**

Chief Executive Officer, April 2014 - Present

Cleveland Clinic Florida

President

Chief Executive Officer, June 2006 – April 2014

Head, Section of Vascular Medicine, July 1991 – April 2014

Chairman, Division of Medicine, 1999 - 2004

Staff Physician, Vascular Medicine, July 1991 – April 2014

Director, Noninvasive Vascular Laboratory, July 1991 - 2014

Director, Anticoagulation Clinic, Department of Cardiology

Member, Broward County Medical Association

Chairman, International Center, 2001 – 2006

Internal Medicine Residency Training Committee, 2001 - 2007

Chairman, Safety Committee

Chairman, C&Q Committee

Pharmacy and Therapeutics Committee

Medical Executive Committee, 2001 – April 2014

Medical Legal Committee, 2006-2014

Peer Review Committee

PROFESSIONAL APPOINTMENTS:

Miami Regional Selection Panel

The President's Commission on White House Fellowships
 2011 - 2012

Clinical Professor and Founding Voluntary Faculty Member
 Florida International University, Cardiovascular Course
 Herbert Wertheim College of Medicine, 2011 – Present

Interview Panel Member

Florida International University, Herbert Wertheim
 College of Medicine. 2012 - Present

Assistant Professor of Clinical Medicine
Ohio State University College of Medicine
Columbus, Ohio, 1999 – 2012

Member, Committee on Appointments & Promotions
The University of Miami Miller School of Medicine
At Florida Atlantic University, Boca Raton, Florida
2003 – 2008

Affiliate Assistant Professor
Clinical Biomedical Science
Charles E. Schmidt College of Science
Florida Atlantic University, Boca Raton, Florida, 2004 - Present

Associate Professor of Medicine
The University of Miami Miller School of Medicine
At Florida Atlantic University, Boca Raton, Florida, 2004 – Present

Voluntary Assistant Professor of Medicine
The University of Miami Leonard M. Miller School of Medicine,
2011 – Present

BOARD MEMBERSHIPS:

Chairman, Florida Board of Medicine, 2015
Board Member, South Florida Hospital & Healthcare Association
Vice Chairman, Florida Board of Medicine 2014-2015
Board Member, Florida Board of Medicine 2013- 2016
Member of:
Credentials Committee; Office Surgery Procedures Subcommittee;
Office Surgery Rule Subcommittee; Telemedicine Subcommittee;
Communication, Education & Information Committee; Finance &
Process Accountability Committee; Rules/Legislative Committee;
Surgical Care & Quality Assurance Committee; Probation Committee
Fellow, Federation of State Medical Boards
Board Member, American Heart Association,
2014 Heart Walk Executive Leadership Board
Board of Trustees, Cleveland Clinic Florida, 2006-2014
Board Member, Broward Workshop, 2006-2014
Board Member, Orange Bowl Committee, 2012 - Present
Chairman, Orange Bowl Medical Committee
Member, Advisory Board, University of Miami School of Business
Programs, MBA in Health Sector Management and Policy, 2011-2014
Board Member, Aetna Latino Advisory Council, 2007 - 2013
Board Member, Community Foundation of Broward, 2006 - 2013
Board Member, Health Network Foundation
Member, YPO/WPO International, Miami/Fort Lauderdale Chapter
Member, Executive Committee, 2009 – 2010
Chair, YPO Membership Committee, 2010 – 2011
WPO Membership Chair, 2015

HOSPITAL AFFILIATION:

Cleveland Clinic Hospital, 1991 - 2014

BOARD CERTIFICATION:

American Board of Vascular Medicine, 2005 - 2025
 Diplomate, National Board of Medical Examiners
 Diplomate, American Board of Internal Medicine, 1990 - 2000

MEDICAL LICENSURE:

Florida, May 29, 1991- License # ME0059551

SOCIETIES:

Fellow American College of Physicians
 Fellow Society for Vascular Medicine & Biology
 Fellow American College of Angiology
 Member of the Scientific Council

PROFESSIONAL INTERESTS:

General Vascular Medicine
 General Internal Medicine/Medical Education
 Varicose Vein/Spider Vein Sclerotherapy
 Lymphedema Evaluation, Diagnosis and Treatment
 Swollen Legs
 Noninvasive Vascular Laboratory/Diagnosis
 Medical Treatment of Intermittent Claudication
 Thrombolytic Therapy for Thromboembolic Disease

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2. Ciocon, J., **Fernandez, B.B.**, and Ciocon, D. Leg Edema: Clinical Clues to the Differential Diagnosis. Geriatrics 48 (5): 34-35, May 1993.
3. **Fernandez, B.B.** Acute SuperficialThrombophlebitis. Consultant (Photoclinic) 34 (4): 624, April 1994.
4. **Fernandez, B.B.** Lisfranc Fracture/Dislocation. Consultant (Photoclinic) 34 (5): 788, May 1994.

5. **Fernandez, B.B.**, Mink, AM., Grove, M.K. Venous Thromboembolism Prophylaxis, or lack of. *Chest*, 107: 296, 1995.
6. Ciocon, J., **Fernandez, B.B.**, Galindo-Ciocon, D. Leg Edema in the Elderly: A Practical Diagnostic Approach. *Comprehensive Therapy*: 20: 77 586-592, 1994.
7. **Fernandez, B.B.**, Grove, M.K. Images in Vascular Medicine: Adventitial Cystic Disease of the Popliteal Artery. *Vascular Medicine*, 1: 35, 1996.
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10. **Fernandez, B.B.**, Grove, M.K., Carman, T. An Unusual Presentation of Simultaneous, Bilateral Popliteal Artery Embolism – *Angiology, The Journal of Vascular Diseases*. 49: 7, pp. 573-575, July, 1998.
11. Carman, T.L., **Fernandez, B.B.** Issues and controversies in Venous Thromboembolism. *Cleveland Clinic Journal of Medicine* 1999: 66 (2); 113-123.
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14. **Fernandez, B.B.**, Smolley, L et al. Relief of Sleep Apnea after Intravascular Stenting for Superior Vena Cava Syndrome. *Vascular Medicine* 1999; 4: 33-36.
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16. Zavaleta, E.G., **Fernandez, B.B.**, Grove, M.K, et al. St. Anthony's Fire (Ergotamine Induced Leg Ischemia) A Case Report and Review of the Literature. *Angiology* 2001; 52 (5): 349-356.
17. Portnova, R., Carman, T.L., **Fernandez, B.B.** Risk Factor Modification in Patients with an Abnormal Ankle Brachial Index. *J Gen Intern Med* 1999; 14 (suppl): 64.
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19. **Fernandez, B.B.**, Elliott G., Turpie A.G. (panelists). Suspicious and subtleties in Venous Thromboembolism. Are clinical models and strategies effective? *Medical Crossfire* 2000; 2(8): 34-45.
20. Smith, J., Carman, T.L., **Fernandez, B.B.**, et al. Superior mesenteric vein thrombosis and duodenal diverticulum. *Annals of Vasc Surg* 2000; 14: 278-282.
21. Bush, H., **Fernandez, B.B.** Duplex ultrasound in the evaluation and Management of patients with possible renal artery stenosis. *Intern Journal of Cardiovasc Interventions* 2001; 4 (1): 9 Abstract.

22. **Fernandez, BB.** A Rational Approach to Diagnosis and Treatment of Intermittent Claudication. *Am J Med Sci* 2002;;323(5):244-51.
23. Farray, D, Carman, TL, **Fernandez Jr., BB.** The treatment and prevention of deep vein thrombosis in the preoperative management of patients who have Neurologic diseases. *Neurol Clin N Am* 22(2004):423-439.
24. **Fernandez, BB** and Strootman, D. The Prostacyclin Analog, Treprostinil Sodium, provides symptom relief in Severe Buerger's Disease. A case report and review of the literature. *In Print. Angiology* 56, 2005.
25. Sheikh MA, **Fernandez, BB**, Gray BH, Graham LM, Carman TL. Endovascular stenting of nonmalignant superior vena cava syndrome. *Catheter Cardiovasc Interv.* 2005 Jul;65(3):405-11.
26. Navas, E. V., McCalla-Lewis, A., **Fernandez, BB.**, Pinski, S., Novaro, G., Asher, C. Abdominal aortic Aneurysm screening during transthoracic echocardiography: Cardiologist and vascular medicine specialist interpretation. *World Journal of Cardiology*, 2012 February 26; 4(2): 31-35.

POSTERS:

1. Welber, A., Farid, M., Celestin, C., **Fernandez, BB.** A Sweet Solution to a Bitter Life Problem: The Use of Active Leptospermum Honey Wound and Burn Dressing in a Lower Extremity Chronic Lymphedema Patient; A Case Study. *Wound Ostomy Continence Nurses Society Conference.* Charlotte, North Carolina. June 10 – 12, 2012.
2. Welber, A., Farid, M., Celestin, C., **Fernandez, BB.** The Effectiveness of Active Leptospermum Honey and a Novel Super-Absorbent Hydrogel – Colloidal Sheet in Managing Challenging Lower Extremity Wounds; A Case Study Series. *Wound Ostomy Continence Nurses Society Conference.* Charlotte, North Carolina. June 10 – 12, 2012.

RESEARCH:

1. Principal Investigator: (TOPAS Trial). Abbott Laboratories Protocol M92-859. Recombinant Urokinase (RUK, Abbott-76120) Versus Operative Intervention as Initial Therapy for Acute Lower-Limb Arterial Occlusion. (Completed)
2. Utilization of DVT Prophylaxis in Medical Patients Study. Cleveland Clinic Hospital, Fort Lauderdale, FL (Completed)
3. Principal Investigator: A Randomized, Double Blind, Placebo Controlled, Dose Response. Efficacy and Safety Study of Oral Iloprost Administered for Six Months in Peripheral Arterial Occlusive Disease. Protocol 107-06. Berlex Laboratories.
4. Co-investigator: (ACE Trial) Aspirin and Carotid Endarterectomy Trial RPC #8260

PRESENTATIONS/INVITED LECTURES/SPEAKING ENGAGEMENTS:

1. Hypercalcemia of Malignancy: Pathophysiology and Treatment. Cleveland Clinic Foundation, Internal Medicine Grand Rounds, 1990.
2. Legionnaire's Disease: Review and Update. Cleveland Clinic Foundation, Infectious Disease Grand

Rounds, 1990.

3. Thoracic Outlet Syndrome: Review and Update. Cleveland Clinic Foundation Vascular Medicine Grand Rounds, 1991.
4. Aching Legs: Claudication, Differential Diagnosis and Treatment. Fort Lauderdale, FL, November 15, 1991
5. Hypertension – Management Issues. An update for the practicing physician. Grand Rounds, Cayman Islands, BWI, October 16, 1992.
6. Vascular Medicine Update: DVT and Pulmonary Emboli: An Update for Practicing Physician. Grand Cayman, Cayman Islands, BWI, October 16-19, 1992.
7. Vascular Problems in ICU Nursing. Critical Care Nursing Course. Cleveland Clinic Hospital, Fort Lauderdale, FL, April 14, 1993.
8. Vascular Evaluations in Diabetic Patients. Cleveland Clinic Florida Symposium Step Ahead: A multi-disciplinary Approach to the Foot and Ankle Symposium, Fort Lauderdale, FL, May 15, 1993.
9. Painful Legs. Cleveland Clinic Hospital, Community Health Lectures, Fort Lauderdale, FL, September 30, 1993.
10. Current Evaluation and Therapy of Venous Thrombosis: Upper and Lower Extremities Cleveland Clinic Florida Hospital Grand Rounds, Fort Lauderdale, FL., June 16, 1993.
11. NCEP Guidelines: What are the Implications, Merck Human Health Division, Fort Lauderdale, FL, August 26, 1993.
12. Thrombolysis in the Acutely Ischemic Limb. Cleveland Clinic Florida Clinical Conference, Fort Lauderdale, FL, January 12, 1994.
13. Issues in Prevention and Treatment of Superficial Phlebitis and DVT. Step Ahead '94 Symposium, Fort Lauderdale, FL, May 14, 1994.
14. Natural History, Non-Invasive Evaluation, and Management of Peripheral Vascular Disease. Sacred Heart Hospital Vascular Disease Update '94, Pensacola, FL, May 21, 1994.
15. An Overview of Peripheral Vascular Disease. 1994 Florida Society of Hospital Pharmacists Annual Meeting, Orlando, FL, August 20, 1994.
16. Thoracic Outlet Syndrome. Cleveland Clinic Florida Grand Rounds, Fort Lauderdale, FL, February 15, 1995.
17. Approach to the Patient with Swollen Legs, Eighth Annual Advanced Wound Care Symposium and Medical Research Forum on Wound Repair, Deerfield Beach, Boca Raton, FL, October 8, 1995.
18. Iliofemoral DVT – Update and Treatment, Florida Hospital, Family Practice Residency Program, Orlando FL, June 1996.
19. Evaluation and Treatment of the Patient with Thrombophlebitis. West Palm Beach Veterans Administration Hospital, West Palm Beach, FL, June 25, 1996.

20. Seminars in Peripheral Vascular Disease, Jacksonville, FL, October 5, 1996. History and Physical Examination in Patients with Peripheral Vascular Disease and Medical Therapy of Intermittent Claudication.
21. Medical College of Virginia – 5th Annual Wound Care Symposium – Richmond, VA, October 20-23, 1996. Approach to the Patient with Edematous Limbs.
22. Spider Veins and Sclerotherapy. Department of Gynecology Lecture, Cleveland Clinic Florida, February 20, 1996.
23. Case Studies of Patients with Edematous Limbs. Clinical Conference Lecture, Cleveland Clinic Florida, Fort Lauderdale, FL, June 12, 1996.
24. Patient Evaluation and Management of Leg Edema and Venous Thrombosis, Jupiter Medical Center, Jupiter, FL, October 10, 1996.
25. Evaluation and Management of DVT and Swollen Legs. Conference on The Beach. 18th Annual Family Practice Update – Daytona Beach, FL, February 10, 1997.
26. Natural History of Atherosclerotic Occlusive Disease of the Lower Extremities and Unusual Causes of Leg Ischemia. Annual Symposium on Vascular Diseases and Intervention Update. Sacred Heart Hospital, Pensacola, FL, November, 19A Family Practitioners Approach to Patients with Peripheral Arterial Disease. Florida Hospital Family Practice Residency Program Grand Rounds – Orlando, FL, February 18, 1997.
27. Tenth Annual Scientific Program – The Florida Vascular Society – Medical Therapy for Prophylaxis and Treatment of DVT. – Tampa, FL, April 12, 1997.
28. Office Evaluation of Patients with Arterial Insufficiency. Annual Meeting of The Florida Association of Enterostomal Therapists. Boca Raton, FL, May 30, 1997.
29. St. Joseph's Heart Institute – New Concepts in the Treatment of Venous Thrombosis Symposium. Pulmonary Embolism and Upper Extremity Deep Vein Thrombosis. Tampa, FL, June 21, 1997.
30. St. Anthony's Hospital – Grand Rounds. DVT and PE – The Primary Physician's Role in Evaluation and Treatment. – Tampa, FL, July 29, 1997.
31. Lakeland Regional Hospital/Watson Clinic – Post Thrombotic Syndrome and Iliofemoral DVT, Aggressive Approach with Interventional Treatment. Lakeland, FL, July 30, 1997.
32. 1997 Annual Meeting of the Florida Society of Internal Medicine. Sarasota, FL, Evaluation of Patients with Swollen Limbs and Pulmonary Embolism and DVT Treatment. August 22-24, 1997.
33. Grand Rounds. Holmes Regional Medical Center, Thrombolysis for Iliofemoral DVT – Melbourne, FL, Sept. 26, 1997.
34. Third Annual Seminar on Peripheral Vascular Disease. Clinical Evaluation of the Patients with Limb Edema; and Role of Non Invasive Testing in Vascular Disease. Jacksonville, FL, October 11, 1997.
35. Florida Academy of Family Physicians 74th Family Practice Weekend. Evaluation and Treatment of Peripheral Vascular Disease. Coral Gables, FL, October 16, 1997.
36. South Florida Vascular Surgery Society Annual Scientific Meeting. The Patient with Edematous Limbs. Captiva Island, FL, October 26, 1997.

37. Vascular Disease and Intervention Update '97. The Patient with Lymphedema: Evaluation and Treatment. Sacred Heart Hospital. Pensacola, FL, November 1, 1997.
38. Low Molecular Heparins in the Treatment of Deep Vein Thrombosis. Internal Medicine Grand Rounds – St. Joseph's Hospital. Tampa, FL, March 11, 1998.
39. Evaluation and Treatment of Lymphedema. Grand Rounds – Bayfront Medical Center. Tampa, FL, March 19, 1998.
40. Peripheral Arterial Occlusive Disease – The Role of the Primary Care Physician. Family Practice Residency Program – Bayfront Medical Center. Tampa, FL, March 19, 1998.
41. Venous Thromboembolic Disease: Approach and Treatment in the 90's. The Second Annual Vascular Symposium – Morton Plant Hospital Vascular Center. Clearwater, FL, June 13, 1998.
42. Annual Scientific Meeting of the South Florida Society for Vascular Surgery. Heparin Induced Thrombocytopenia and New Anticoagulants. Medical Treatment of Intermittent Claudication. Marco Island, Florida. October 1998.
43. Vascular Disease and Intervention Update '98. Non Invasive Testing of Vascular Disorders. AAA...What the Primary Care Physicians Need to Know. Sacred Heart Hospital. Pensacola, Florida. November 1998.
44. Martin Memorial Hospital Conference. Outpatient Treatment of Deep Venous Thromboembolism. Stuart, Florida. January 1999.
45. American College of Surgeons and The Maine Vascular Society. Annual Winter Meeting. Stents and Thrombolytic Options for the Management of Iliofemoral Deep Vein Thrombosis. Maine, February 1999.
46. Maine Medical Center Grand Rounds. Modern Treatment of Iliofemoral Deep Venous Thrombosis. Maine, May 1999.
47. Cedars Medical Center Cardiology Grand Rounds. What Cardiologists Should Know About Peripheral Arterial Disease. Miami, Florida. June 1999.
48. Martin Memorial Hospital Continuing Medical Education Series. The Primary Care Evaluation of Vascular Patients. Stuart, Florida. July 1999.
49. Results of the Use of Low Molecular Weight Heparin for the Outpatient Treatment of Deep Venous Thrombosis. XVth International Cuban Medical Congress. Miami Beach, Florida, July 1999.
50. The Cleveland Clinic Foundation Depts. of Vascular Medicine and Surgery Grand Rounds. Non-Atherosclerotic Causes of Intermittent Claudication and Limb Ischemia. Cleveland, Ohio. September 1999.
51. St. Augustine Vascular Surgery Society. Interesting Vascular Cases and the Medical Approach to Intermittent Claudication. St. Augustine, Florida. January 2000.
52. Mt. Sinai Medical Center General/Vascular Surgery Grand Rounds. Thromboembolic Disease and the Role of Low Molecular Weight Heparins. Miami Beach, Florida. January 2000.
53. Pri-Med South 2000. New Therapeutic Options for Peripheral Arterial Disease and Intermittent Claudication. Sponsored by the Washington Hospital Medical Center. Ft. Lauderdale, Florida. January

2000.

54. Miami Heart Institute Medical Grand Rounds. Evaluation and Management of the Patient with Peripheral Arterial Disease. Miami Beach, Florida. March 2000.
55. Fairfax Medical Center Grand Rounds and the Daytona Society of Internal Medicine. Interesting Vascular Cases for the Primary Care Physicians. Daytona Beach, Florida. April 2000.
56. Florida Academy of Family Physicians Annual Meeting. The Family Physicians Role in the Evaluation and Management of Peripheral Arterial Disease. Orlando, Florida, May 12, 2000.
57. Primary Care Physician Update: Peripheral Arterial Disease. Cincinnati, Ohio. September 9, 2000.
58. Peripheral Arterial Disease and Intermittent Claudication for the Primary Care Physician. Case Management. Atlanta, Georgia. October 14, 2000.
59. Annual Scientific Meeting of the South Florida Society for Vascular Surgery: Presentation of Cases of Unusual Causes of Intermittent Claudication and Arterial Disease. Key Largo, Florida. November 2000.
60. Options available for the Treatment of Intermittent Claudication. Meeting of the American Nicaraguan Medical Association. Miami, Florida. November 2000.
61. Chair, Meeting to establish Primary Care Guidelines in the Diagnosis and Treatment of Peripheral Arterial Disease. New York City, NY. December 11, 2000.
62. Program Director, Pri-Med South Symposium: Evidence Based Management of Peripheral Arterial Diseases. Broward County Convention Center, Ft. Lauderdale, Florida, March 24, 2001.
63. Panelist: South Florida Hospital and Healthcare Association. Improving Patient Safety: Best Practices from Inside and Outside the Healthcare Industry. Coral Gables, Florida. April 2001.
64. Moderator: Clinical Trials Session of the Annual Meeting of the Society for Vascular Medicine and Biology. Baltimore, Maryland. June 2001.
65. International Summit on the Private Health Sector. Health Services Trade in the Americas: Trends and Opportunities. Miami Beach, Florida. December 2001.
66. Symposium Chair: Peripheral Arterial Disease and the Primary Care Physician. Pri-Med Symposium. Ft. Lauderdale, Florida. February 22, 2002.
67. Princeton Healthcare CME Forum. DVT and PE. UFH vs. LMWH. Ft. Lauderdale, Florida. March 2002.
68. 24th Annual Family Practice Review. Update on the evaluation and Treatment of PAD. Bayfront Medical Center, St. Pete Beach, Florida. March 2002.
69. International Vascular Symposium. Risk Stratification in patients with Pulmonary Embolism. Panama, Panama. Centro Medico Paitilla XXVII Jornada Cientifica. July 2002.
70. Symposium Chair: Primed South. Symposium on Peripheral Arterial Disease. Convention Center, Fort Lauderdale, Florida. February 16, 2003.
71. Cardiology Grand Rounds: Peripheral arterial disease and the Cardiologist's Role. Mount Sinai Medical

Center, Miami Beach, Florida. May 7, 2003.

72. Grand Rounds: Miami Cardiac and Vascular Institute. Atypical causes of Vascular claudication and unusual Vascular cases. Miami, Florida, May 29, 2003.
73. Cleveland Clinic Florida Cardiology Symposium: Cardiovascular Diseases Update. Evaluation of Peripheral Arterial Disease for the Primary Care Physician. April 24, 2004.
74. Diabetes is a Vascular Disease. Evaluation and Management of Vascular Disease in the Diabetic Patient. 47th Annual Scientific Meeting of the Japanese Diabetes Society. Tokyo International Forum. Tokyo, Japan. May 15, 2004.
75. Peripheral Arterial Disease: Implications to the Patient. University of Wisconsin School of Medicine and Distance Learning Network Symposium. Tampa, Florida. October 9, 2004
76. Primed Miami Symposium: The diagnosis and treatment of Peripheral Arterial Disease: Implications for the Primary Care Practitioner. Miami, Florida. December 10, 2004.
77. International Symposium on Endovascular Therapy. Carotid Stent Training at ISET Faculty. The Spectrum of Carotid Artery Disease. Miami Beach Florida, February 2005.
78. Cleveland Clinic Florida Cardiology Update Symposium. Recognition and evaluation of Peripheral-arterial disease by the Primary Care Physician. Weston, Florida. April 16, 2005.
79. New Paradigms in PAD Management: The Role of the Primary Care Professional. PrimEd Educational Symposium. New Orleans, Louisiana. May 7, 2005.
80. The Roy Schneider Hospital CME Conference: Peripheral Arterial Disease: Implication of its Diagnosis. St. Thomas, Virgin Islands. May 13 – 14, 2007.
81. Cardiovascular Curriculum: Deep Venous Thrombosis and Pulmonary Embolism & Peripheral Vascular Disease. University of Miami Miller School of Medicine at Florida Atlantic University, Boca Raton, Florida. May 18 – 19, 2009.
82. Keynote Speaker at The President's Lyceum, Palm Beach Atlantic University. West Palm Beach, FL. March 14, 2012.
83. Speaker, Cardiovascular and Respiratory Lecture, Florida International University Herbert Wertheim College of Medicine. Miami, FL. April 18, 2012.
84. Panelist, National Society of Hispanic MBA's Healthcare Summit: Trending...The Business Side of Healthcare: A Call to Accelerating Hispanic Wellness. Orlando, Florida. May 17 – 18, 2012.
85. Speaker, Business and Medicine Interest Group, Florida International University Herbert Wertheim College of Medicine. Miami, FL. February 28, 2013.
86. Speaker, Aortic and Carotid Disease; Peripheral Arterial Disease Lecture, Florida International University Herbert Wertheim College of Medicine. Miami, FL. April 23, 2013.
87. Speaker, Diagnosis and Treatment of Peripheral Vascular Diseases. West Kendall Baptist Family Medicine Residency Program; Miami, FL. 2014.

PUBLICATIONS

Refereed articles

1. **Lenchus JD**. Transitions in the prophylaxis, treatment and care of patients with venous thromboembolism. *Adv Ther*. January 2016;33(1):29-45.
2. **Lenchus JD**, Carvalho CM, Ferreri K, Sanko JS, Arheart KL, Fitzpatrick M, Issenberg SB. Filling the Void: Defining invasive bedside procedural competency for internal medicine residents. *J Grad Med Educ*. 2013 Dec;5(4):605-612.
3. **Lenchus JD**. Recent advances in antithrombotic therapy for stroke prevention in patients with atrial fibrillation. *Hosp Pract*. 2013;41(1):49-60.
4. Munoz-Price LS, Dezfulian C, Wyckoff M, **Lenchus JD**, Rosalsky M, Birnbach DJ, Arheart KL. Effectiveness of stepwise interventions targeted to decrease central catheter-associated bloodstream infections. *Crit Care Med*. 2012;40:1464-1469.
5. Fitzpatrick M, Ta A, **Lenchus J**, Arheart KL, Rosen LF, Birnbach DJ. Sexual assault forensic examiners' training and assessment using simulation technology. *J Emerg Nursing*. 2012 Jan;38(1):85-90.e6.
6. **Lenchus JD**. Strategies for venous thromboembolism prophylaxis programs. *Postgrad Med*. 2011 Nov;123(6):91-101.
7. **Lenchus J**, Issenberg SB, Murphy D, Everett-Thomas R, Erben L, Arheart K, Birnbach DJ. A blended approach to invasive bedside procedural instruction. *Med Teach*. 2011;33(2):116-123.
8. Nevo I, Fitzpatrick M, Thomas RE, Gluck PA, **Lenchus JD**, Arheart KL, Birnbach DJ. The efficacy of visual cues to improve hand hygiene compliance. *Simul Healthc*. 2010 Dec;5(6):325-331.
9. Gluck PA, Nevo I, **Lenchus JD**, Sanko JS, Everett-Thomas R, Fitzpatrick M, Shekhter I, Arheart KL, Birnbach DJ. Factors impacting hand hygiene compliance among new interns: findings from a mandatory patient safety course. *J Grad Med Educ*. 2010 Jun;2(2):228-231.
10. **Lenchus JD**. End of the "see one, do one, teach one" era: the next generation of invasive bedside procedural instruction. *J Am Osteopath Assoc*. 2010 Jun;110(6):340-346.
11. **Lenchus JD**, Jaffer AK. Prevention of venous thromboembolism in hospitalized medical patients. *Mt Sinai J Med* 2008 Oct;75(5):449-53.
12. Moshfeghi AA, Rosenfeld PJ, Puliafito CA, Michels S, Marcus EN, **Lenchus JD**, Venkatraman AS. Systemic bevacizumab (Avastin) therapy for neovascular age-related macular degeneration: twenty-four-week results of an uncontrolled open-label clinical study. *Ophthalmology*. 2006 Nov;113(11):2002.e1-12.

Books and book chapters

1. Sanko J, **Lenchus JD**. Aseptic Technique. In: Multak N, ed. *Clinical Procedures for Health Professionals*. Jones & Bartlett Learning, 2016:3-19.
2. **Lenchus JD**, Pfeifer K. Developing, Implementing, and Operating a Medical Consultation Service. In: Jaffer AK, Grant PJ, ed. *Perioperative Medicine: Medical Consultation and Co-management*. Hospital Medicine: Current Concepts: Society of Hospital Medicine; 2012: 75-84.
3. **Lenchus JD**, Lucarelli MR. Teaching procedural skills. In: Williams FK, ed. *The Toolkit Series: A textbook for today's chief medical resident*. 19th ed. Alexandria, VA: Association of Program Directors in Internal Medicine; 2011:88-95.

Other publications

Letters to the Editor, Brief Reports, and Refereed Abstracts

1. **Lenchus JD**. A dissenting viewpoint on the ACA. *P&T*. November 2015;40(11):742-743.
2. Berry AC, **Lenchus JD**, Avalos D, Caplan A, Berry BB, Monzel MJ. Exertional rhabdomyolysis: A case of markedly elevated creatine kinase without acute kidney injury. *J Med Cases*. 2014;5(9):483-485.

3. Berry AC, Herdes RE, Larsen MF, Yarur AJ, Scolapio JS, Patel BB, Avalos D, **Lenchus JD**, Reuther III WL. An atypical presentation of small bowel metastasis from a previously undiagnosed primary lung adenocarcinoma. *J Medical Cases* 2014;5(9):511-514.
4. Marsicano EV, Joseph N, Tadi R, Donath E, Deshpande AR, Isaacson R, **Lenchus J**, Sussman DA. Using a web-based module to impact the prescribing practices of internal medicine housestaff regarding the appropriate use of stress ulcer prophylaxis (SUP): A randomized controlled trial. *Gastroenterology* 2012 May;142(5):S743.
5. **Lenchus J**, Ferreri K, Seda J, Ugalde I. A grading scale for determining lumbar puncture competency. *Sim Healthcare* 2012;7(6):455.
6. Klein Z, Seda J, **Lenchus J**. Non-parametric resampling in evaluating reductions in pneumothorax rates and hospital charges of a simulation-based educational intervention. *Sim Healthcare* 2012;7(6):533.
7. **Lenchus JD**. Graduating osteopathic medical students' perceptions and recommendations on the decision to take the USMLE [letter]. *J Am Osteopath Assoc.* 2012;112(8):480-481.
8. **Lenchus J**, Gallo de Moraes A, Garg M. Impact of a simulation-based standardized curriculum on reducing thoracentesis-induced pneumothorax. *Sim Healthcare* 2011;6(6):399.
9. Sanko J, Shekhter I, Thomas R, Fitzpatrick M, **Lenchus J**, Birnbach D. The evolution of a simulation-based patient safety course. *Sim Healthcare* 2011;6(6):457.
10. Czul F, Prager M, **Lenchus J**. Intra-procedural risk of bleeding associated with ultrasound guided paracentesis in patients with abnormal coagulation studies. *Hepatology* 2011 Oct;54(S1):1259A.
11. **Lenchus JD**. Should the Affordable Care Act of 2010 Be Repealed? Another viewpoint from an AJM reader. *Am J Med (blog)*. July 11, 2011: <http://amjmed.blogspot.com/2011/07/should-affordable-care-act-of-2010-be.html>.
12. **Lenchus J**, Gallo de Moraes A, Garg M, Kalidindi V, Soto A, Pavon A. Impact of a Standardized Curriculum on Reducing Thoracentesis-Induced Pneumothorax. *J Hosp Med.* 2011;6(suppl 2):S41-42.
13. **Lenchus JD**. A Federal UnSales Force?: “Academic Detailing” on Medical Treatments and the Oversight Imperative. *Washington Legal Foundation* 2011;26(10):1-4.
14. Marsicano EV, Joseph N, Clark JD, Brody SS, **Lenchus J**, Isaacson R, Deshpande AR, Sussman DA. Using a web-based module to educate internal medicine, neurology housestaff and medical students regarding the appropriate use of stress ulcer prophylaxis: A randomized controlled trial. *Gastroenterology* 2011 May;140(5):S575-S576.
15. Birnbach D, Cook A, Rosen L, Fitzpatrick M, Sanko J, **Lenchus JD**. Enhancing situational awareness in third-year medical students using simulation-based education. *Sim Healthcare* 2010;5(6):380.
16. Cook A, **Lenchus JD**, Rosen L, Fitzpatrick M, Gluck P, Birnbach D. Assessing & Developing Interns' Hand-off Skills: A Key Building Block in Patient Safety. *Sim Healthcare* 2010;5(6):386.
17. Cook A, Rosen L, Shekhter I, Nevo I, **Lenchus JD**, Birnbach D. Teaching Awareness of Drug Interactions Through Simulation. *Sim Healthcare* 2010;5(6):387.
18. Fitzpatrick M, Rosen L, Barnes S, Gluck P, **Lenchus JD**, Birnbach D. “Do You Feel Safe at Home?” Do Recent Medical School Graduates Adequately Assess Patients for Domestic Abuse? *Sim Healthcare* 2010;5(6):392.
19. **Lenchus J**, Barnes S, Birnbach D. The impact of a standardized curriculum on reducing thoracentesis-induced pneumothorax. *Arch Intern Med.* 2010 Jul;170(13):1176-1177.
20. **Lenchus JD**, Symes S, Jaffer A, Birnbach DJ. Transforming invasive bedside procedural instruction. *Med Educ.* 2010 May;44(5):522.
21. **Lenchus JD**, Kalidindi V, Sanko JS, Everett-Thomas R, Birnbach DJ. Critical elements to advance procedural instruction: Knowledge, attitude, and skills. *Academic Internal Medicine Insight.* 2010;8(1):14-15, 18.
22. **Lenchus JD**, Birnbach DJ. Rethinking invasive procedural training. *Acad Med.* 2010 Apr;85(4):570.
23. Fitzpatrick M, Ta A, Everett-Thomas R, **Lenchus J**, Birnbach DJ. Development and Validation of a Checklist for Use with Simulator-Based Assessment of Sexual Assault Examination Competence. *Sim Healthcare* 2009;4(4):262.

24. **Lenchus JD**, Everett-Thomas R, Sanko J, Kalidindi V, Fitzpatrick M, Shekhter I, Nevo I, Birnbach DJ. Standardized Invasive Bedside Procedural Training Improves Self-Assessed Confidence and Competence. *Sim Healthcare* 2009;4(4):273.
25. Birnbach DJ, Everett R, Fitzpatrick M, Mait J, **Lenchus JD**, Nevo I. The Effect of Visual Cues on Hand Hygiene Compliance in a Simulated Environment. *Sim Healthcare* 2009;4(4):306.
26. Gluck PA, Sanko JS, Everett-Thomas R, Fitzpatrick M, **Lenchus JD**, Birnbach DJ. What Factors Influence Hand Hygiene Compliance? *Sim Healthcare* 2009;4(4):324.
27. Kalidindi V, **Lenchus J**, Murphy D, Everett R, Sanko J. Standardized training of invasive bedside procedures and use of ultrasound improves trainee confidence and competence and decreases complication rates. *JGIM* 2009 Apr; 24(S1):240.
28. **Lenchus, JD**; Jaffer, AK. Key Clinical Question: What is the best choice for prophylaxis against VTE in medical inpatients? *The Hospitalist*, May 2008: 34-6.
29. **Lenchus J**, Murphy D, Everett-Thomas R, Shekhter I, Nevo I, Fitzpatrick M, Castillo D, Sanko J, Birnbach D. The End of the “See One, Do One, Teach One” Era: Simulation-Based Instruction of Invasive Bedside Procedures Improves Patient Safety. *Sim Healthcare* 2008;3(4):274.
30. Nevo I, Shekhter I, Everett R, Fitzpatrick M, Scheinman S, Castillo D, **Lenchus J**, Sanko J, Plummer E, Birnbach D. Do Physicians Make Better Patients? Enhancing Standardized Patient Simulations. *Sim Healthcare* 2008;3(4):279.
31. Nevo I, Plummer E, Everett R, Fitzpatrick M, Shekhter I, Scheinman S, Castillo D, **Lenchus J**, Sanko J, Birnbach D. A Game of “Monkey See, Monkey Do” – Simulation Reveals the Impact of the Leader on Hand Hygiene Compliance. *Sim Healthcare* 2008;3(4):280.
32. Everett R, Nevo I, Fitzpatrick M, Scheinman S, Shekhter I, **Lenchus J**, Castillo D, Birnbach D. Simulation Used to Elicit Inappropriate Behaviors in New Physicians. *Sim Healthcare* 2007;2:261.
33. **Lenchus J**, Desai A, Erben L. “See one, Do one, Fail one” – How Simulation can Prevent Physicians from Forming Unsafe Procedural Habits. *Sim Healthcare* 2007;2:268.
34. Scheinman S, Nevo I, Fitzpatrick M, Shekhter I, Everett R, **Lenchus J**, Castillo D, Birnbach D. Training New Physicians to Maintain Professionalism Under Duress. *Sim Healthcare* 2007;2:272.

Other works

Oral presentations

1. **Lenchus J**. Airway Management. Procedures precourse, Society of Hospital Medicine, San Diego, CA, 2016
2. **Lenchus J**, Kennedy K. Bedside training: Teaching the teacher. National Medicine Pediatrics Residents Association, Miami, FL, 2016
3. **Lenchus JD**, Lumbar Puncture. Procedures precourse, Society of Hospital Medicine, National Harbor, MD, 2015
4. **Lenchus JD**, Lumbar Puncture. Procedures precourse, Society of Hospital Medicine, Las Vegas, NV, 2014
5. **Lenchus JD**, Lumbar Puncture. Procedures precourse, Society of Hospital Medicine, National Harbor, MD, 2013
6. Klein Z, Seda J, **Lenchus J**. Non-parametric resampling in evaluating reductions in pneumothorax rates and hospital charges of a simulation-based educational intervention. International Meeting for Simulation in Healthcare, Orlando, FL, 2013.
7. **Lenchus JD**, Lumbar Puncture. Procedures precourse, Society of Hospital Medicine, San Diego, CA, 2012.
8. **Lenchus J**, Gallo de Moraes A, Garg M. Impact of a simulation-based standardized curriculum on reducing thoracentesis-induced pneumothorax. International Meeting on Simulation in Healthcare, San Diego, CA, 2012.
9. **Lenchus JD**, Lumbar Puncture. Procedures precourse, Society of Hospital Medicine, Dallas, TX, 2011.
10. Munoz-Price L, Wyckoff M, **Lenchus J**, Harris L, Birnbach D, Rosalsky M, Coro G, Dezfulian C, Adams S. The Impact of Chlorhexidine Baths, Scrub The Hub, and Daily Nursing Rounds on Catheter Associated Bloodstream Infections. Society for Healthcare Epidemiology of America Annual Scientific Meeting, Dallas, TX, 2011.

11. Kalidindi V, **Lenchus J**, Murphy D, Everett R, Sanko J. Standardized Training of Invasive Bedside Procedures and Use of Ultrasound Improves Trainee Confidence and Competence and Decreases Complication Rates. Society of General Internal Medicine, Miami Beach, FL, 2009. **awarded best abstract presentation in Innovations in Medical Education*

Workshops/precourses

1. **Lenchus**. Procedures pre-course. Society of Hospital Medicine, San Diego, CA, 2016. (served as course director and faculty)
2. **Lenchus**, Kennedy. Bedside procedural training: Teaching the teacher. National Medicine Pediatrics Residents Association, Miami, FL, 2016. (served as director)
3. **Lenchus**, Burkhart, Gallo de Moraes, Beranger, Vaughn. Ultrasound-guided Paracentesis. American College of Physicians Herbert S. Waxman Clinical Skills Center, Boston, MA, 2015. (served as course director and faculty)
4. Wang S, Esherick J.. Medical procedures for the Hospitalist pre-course. Society of Hospital Medicine, National Harbor, MD, 2015. (served as faculty and trainer)
5. **Lenchus**, Andress, Boniface, Burkhart, Calabrese, Lieberman, Shokoohi. Ultrasound-guided Paracentesis. American College of Physicians Herbert S. Waxman Clinical Skills Center, Orlando, FL, 2014. (served as course director and faculty)
6. Rosen B, Wang S. Medical procedures for the Hospitalist pre-course. Society of Hospital Medicine, Las Vegas, NV, 2014. (served as faculty and trainer)
7. Rosen B, Wang S. Medical procedures for the Hospitalist pre-course. Society of Hospital Medicine, Baltimore, MD, 2013. (served as faculty and trainer)
8. Rosen B, Wang S. Medical procedures for the Hospitalist pre-course. Society of Hospital Medicine, San Diego, CA, 2012. (served as faculty and trainer)
9. **Lenchus JD**, Wathen PI. Developing an Invasive Bedside Procedural Curriculum. Association of Program Directors in Internal Medicine, Anaheim, CA, 2011.
10. Rosen B, Wang, S. Procedures and ultrasound pre-courses. Society of Hospital Medicine, Dallas, TX, 2011. (served as faculty and trainer)
11. Keenan C, Sanko J. Mental Health Immersive course. International Meeting on Simulation in Healthcare, New Orleans, LA, 2011. (served as faculty)
12. **Lenchus JD**, Wathen PI. Teaching Invasive Bedside Procedures. Association of Program Directors in Internal Medicine, San Antonio, TX, 2010.
13. Kalidindi V, **Lenchus J**, Soto A, Lichtman D, Soni N, Franco R. Ultrasound imaging skills for invasive bedside procedures. Society of Hospital Medicine, Baltimore, MD, 2010.
14. Rosen B, Wang S, Ault M, Barsuk J. Procedures pre-course. Society of Hospital Medicine, Baltimore, MD, 2010. (served as trainer)
15. "Simulation in Healthcare" symposium, activity director/moderator, 2008 Florida Medical Association Annual Session, Orlando, FL

Poster presentations

1. Ray JJ, Meizoso JP, Hart V, Horkan DB, Behrens V, Rao K, Karcutskie CA, **Lenchus J**, Dudaryk R, Schulman CI. Effectiveness of a novel perioperative transthoracic ultrasound training curriculum for students and residents. Florida Chapter of the American College of Surgeons, Tampa, FL, 2016.
2. Kennedy KC, Redmond N, Taylor B, **Lenchus J**. Evaluation of outcomes of an attending run procedure service. Society of Hospital Medicine, San Diego, CA, 2016.
3. Straker R, Ray J, Meizoso J, Hart V, Horkan D, Behrens V, Martinez-Ruiz R, **Lenchus J**, Stahl K, Spector S, Dudaryk R, Schulman C. Evaluation of a novel, web-based training program in transthoracic critical care ultrasound. Eastern Student Research Forum, Miami, FL, 2016
4. Ray J, Meizoso J, Hart V, Horkan D, Behrens V, Martinez-Ruiz R, **Lenchus J**, Stahl K, Spector S, Dudaryk R, Schulman C. Evaluation of a novel, web-based training program in transthoracic critical care ultrasound for surgical interns. Association of Program Directors in Surgery, Boston, MA, 2016.

5. **Lenchus JD**, Carvalho CM, Ferreri K, Sanko JS, Arheart KL, Fitzpatrick M, Issenberg SB. Filling the Void: Defining invasive bedside procedural competency for internal medicine residents. International Meeting on Simulation in Healthcare, San Francisco, CA, 2014.
6. Klein Z, Seda J, **Lenchus J**. Non-parametric resampling in evaluating reductions in pneumothorax rates and hospital charges of a simulation-based educational intervention. International Meeting on Simulation in Healthcare, Orlando, FL, 2013.
7. **Lenchus J**, Ferreri K, Seda J, Ugalde I. A grading scale for determining lumbar puncture competency. International Meeting on Simulation in Healthcare, Orlando, FL, 2013.
8. Marsicano E, Joseph N, Tadi R, Donath E, Deshpande A, Isaacson R, **Lenchus J**, Sussman DA. Using a web-based module to impact the prescribing practices of internal medicine housestaff regarding the appropriate use of stress ulcer prophylaxis (SUP): A randomized controlled trial. Digestive Disease Week, San Diego, CA, 2012.
9. **Lenchus J**, Gallo de Moraes A, Garg M. Impact of a simulation-based standardized curriculum on reducing thoracentesis-induced pneumothorax. International Meeting on Simulation in Healthcare, San Diego, CA, 2012.
10. Sanko J, Shekhter I, Thomas R, Fitzpatrick M, **Lenchus J**, Birnbach D. The evolution of a simulation-based patient safety course. International Meeting on Simulation in Healthcare, San Diego, CA, 2012.
11. Czul F, Prager M, **Lenchus J**. Peri-procedural risk of bleeding associated with ultrasound-guided paracentesis in patients with abnormal coagulation values. American Association for the Study of Liver Diseases, San Francisco, CA, 2011.
12. Marsicano E, Joseph N, Isaacson R, Sussman D, **Lenchus J**, Deshpande A. Using a web-based educational intervention to educate internal medicine, neurology, and family medicine housestaff regarding the appropriate use of stress ulcer prophylaxis on the general medical wards: a randomized controlled trial. Digestive Disease Week, Chicago, IL, 2011.
13. Gallo de Moraes A, **Lenchus J**, Garg M, Kalidindi V, Soto A, Pavon A. Impact of a standardized curriculum on reducing thoracentesis-induced pneumothorax. Florida Chapter of the American College of Physicians Scientific Session, St. Pete Beach, FL, 2011.
14. Marsicano E, Joseph N, Isaacson R, Sussman D, **Lenchus J**, Deshpande A. Using a Web-Based Educational Intervention to Educate Internal Medicine, Neurology, and Family Medicine Housestaff Regarding the Appropriate Use of Stress Ulcer Prophylaxis on the General Medical Wards: A Randomized Controlled Trial. Digestive Disease Week, Chicago, IL, 2011
15. Gallo de Moraes A, **Lenchus J**, Garg M, Kalidindi V, Soto A, Pavon A. Impact of a standardized curriculum on reducing thoracentesis-induced pneumothorax. Florida Medical Association Annual Session, Orlando, FL, 2011.
16. **Lenchus J**, Gallo de Moraes A, Garg M, Kalidindi V, Soto A, Pavon A. Impact of a standardized curriculum on reducing thoracentesis-induced pneumothorax. Society of Hospital Medicine, Dallas, TX, 2011.
17. Birnbach D, Cook A, Rosen L, Fitzpatrick M, Sanko J, **Lenchus JD**. Enhancing situational awareness in third-year medical students using simulation-based education. International Meeting on Simulation in Healthcare, New Orleans, LA, 2011. *2nd place award, Education, Competency & Assessment Category.
18. Cook A, **Lenchus JD**, Rosen L, Fitzpatrick M, Gluck P, Birnbach D. Assessing & Developing Interns' Hand-off Skills: A Key Building Block in Patient Safety. International Meeting on Simulation in Healthcare, New Orleans, LA, 2011.
19. Cook A, Rosen L, Shekhter I, Nevo I, **Lenchus JD**, Birnbach D. Teaching Awareness of Drug Interactions Through Simulation. International Meeting on Simulation in Healthcare, New Orleans, LA, 2011.
20. Fitzpatrick M, Rosen L, Barnes S, Gluck P, **Lenchus JD**, Birnbach D. "Do You Feel Safe at Home?" Do Recent Medical School Graduates Adequately Assess Patients for Domestic Abuse? International Meeting on Simulation in Healthcare, New Orleans, LA, 2011.
21. **Lenchus JD**, Everett-Thomas R, Sanko J, Kalidindi V, Fitzpatrick M, Shekhter I, Nevo I, Birnbach DJ. Standardized Invasive Bedside Procedural Training Improves Self-Assessed Confidence and Competence. Association of Program Directors in Internal Medicine, Baltimore, MD, 2010.

22. Fitzpatrick M, Ta A, Everett-Thomas R, **Lenchus J**, Birnbach DJ. Development and Validation of a Checklist for Use with Simulator-Based Assessment of Sexual Assault Examination Competence. International Meeting on Simulation in Healthcare, Phoenix, AZ, 2010.
23. **Lenchus JD**, Everett-Thomas R, Sanko J, Kalidindi V, Fitzpatrick M, Shekhter I, Nevo I, Birnbach DJ. Standardized Invasive Bedside Procedural Training Improves Self-Assessed Confidence and Competence. International Meeting on Simulation in Healthcare, Phoenix, AZ, 2010.
24. Birnbach DJ, Everett R, Fitzpatrick M, Mait J, **Lenchus JD**, Nevo I. The Effect of Visual Cues on Hand Hygiene Compliance in a Simulated Environment. International Meeting on Simulation in Healthcare, Phoenix, AZ, 2010. **Runner up award, Human Factors-Oriented, Simulation-Based Research*
25. Gluck PA, Sanko JS, Everett-Thomas R, Fitzpatrick M, **Lenchus JD**, Birnbach DJ. What Factors Influence Hand Hygiene Compliance? International Meeting on Simulation in Healthcare, Phoenix, AZ, 2010.
26. I Nevo, R Everett-Thomas, M Fitzpatrick, **J Lenchus**, D Birnbach. Is Poor Hand Hygiene Compliance a Behavioral Problem? American Society of Anesthesiologists Annual Meeting, New Orleans, LA, 2009.
27. D Birnbach, I Nevo, J Mait, R Everett-Thomas, **J Lenchus**. The Power of Alarms and Hospital Room Design in Creating Behavior Changes Among Healthcare Providers. American Society of Anesthesiologists Annual Meeting, New Orleans, LA, 2009.
28. A Puig, L Paraskos, **J Lenchus**. Catastrophic Antiphospholipid Syndrome and Evan's Syndrome, an Unusual Combination. Florida Chapter of the American College of Physicians Scientific Meeting, St. Petersburg, FL, 2009.
29. **Lenchus J**, D Murphy, R Everett-Thomas, J Sanko, D Birnbach. A New Paradigm in Medical Education: Reducing Complications through Standardized Training. Florida Medical Association Annual Session, Boca Raton, FL, 2009. **2nd place award*
30. **Lenchus J**, Fitzpatrick M, Ta A, Everett-Thomas R, Birnbach D. Enhancing Sexual Assault Forensic Examination Training Using Simulation Technology. UMMSM Women's Health Research Day, Miami, FL, 2009.
31. Jaffer AK, Manjarrez E, David J, **Lenchus J**, Zuleta J, Kahn D, Keitz S, Symes S. A Hospital Medicine Track and Patient Safety, Quality Improvement and Leadership Experience for Residents. Society of Hospital Medicine, Chicago, IL, 2009.
32. Rico AL, **Lenchus J**, Jaffer AK. An Innovative Preoperative/Consultative Curriculum for the Third Year Internal Medicine Residents. Perioperative Summit, Miami Beach, FL, 2009.
33. **Lenchus J**, Murphy D, Everett-Thomas R, Shekhter I, Nevo I, Fitzpatrick M, Castillo D, Sanko J, Birnbach D: The End of the "See One, Do One, Teach One" Era: Simulation-based Instruction of Invasive Bedside Procedures Improves Patient Safety. International Meeting on Simulation in Healthcare, Orlando, FL, 2009.
34. **Lenchus J**, Murphy D, Johnson L, Acosta M, Everett-Thomas R: Formal Procedure Instruction Improves Patient Safety. Alliance for Academic Internal Medicine, Orlando, FL, 2008.
35. **Lenchus, J**. Formal Procedural Instruction for Residents – An Opportunity for Academic Hospitalists. Society of Hospital Medicine, San Diego, CA, 2008.
36. **Lenchus J**, Desai A, Erben L, Everett R: "See One, Do One, Fail One" – An Innovative Curriculum for Procedural Training. Association of Program Directors in Internal Medicine, New Orleans, LA, 2008.
37. **Lenchus J**, Desai A, Erben L, Everett R: See One, Do One, *Fail* One – How Simulation Can Prevent Physicians from Forming Unsafe Procedural Habits. International Meeting on Simulation in Healthcare, San Diego, CA, 2008.

Media Interactions/Interviews

1. Tyrrell KA. A look at Democratic Presidential hopefuls' healthcare ideas. *The Hospitalist*. January 14, 2016.
2. Appold K. Why hospitalists should embrace population health. *The Hospitalist*. January 1, 2016.
3. Appold K. Population health prevails at two institutions. *The Hospitalist*. January 1, 2016.
4. Tyrrell KA. Where leading GOP Presidential candidates stand on health policies. *The Hospitalist*. December 15, 2015.
5. Zeitoun NK. Bedside procedures and ultrasound: Evidence and cost of doing business. *The Hospitalist*. April 2, 2015.
6. Appold K. Tip-Top tactics for bedside procedure training. *The Hospitalist*. March 6, 2015.
7. Nelson B. Hospitalists try to reclaim lead role in bedside procedures. *The Hospitalist*. March 3, 2015.
8. Tyrrell KA. Ebola outbreak reminds hospitalists how to prepare for infectious disease. *The Hospitalist*. December 2, 2014.
9. Appold K. Hospitalists should play vital role in managing diabetic inpatients. *The Hospitalist*. November 2, 2014.
10. **Lenchus JD**. No link between vaccines and autism. *Sun-Sentinel*. September 23, 2014.
11. Quinn R. SGR Reform, ICD-10 Implementation Delays Frustrate Hospitalists, Physicians. *The Hospitalist*. July 30, 2014
12. Ferrara MJ. Budget Sequester: Potential Impact on Health Care Providers. *AJNR Am J Neuroradiol*.35:657-59 Apr 2014.
13. Quinn R. Frustration Grows with SGR Fix, ICD-10 Transition. *The Hospitalist*. April 16, 2014 (cover story).
14. Quinn R. CMS Puts Hospitalists in Holding Pattern Regarding Physician Payment Transparency. *The Hospitalist eWire*. March 5, 2014 (cover story).
15. Nelson B. Hospitalist Joshua Lenchus, DO, RPh, SFHM, Says Obamacare Might Impact Patient Access, Physician Workload. *The Hospitalist*. January 1, 2014 (cover story with audio).
16. Nelson B. Affordable Care Act Calls on Hospitalists to Hone Skills. *The Hospitalist*. January 1, 2014 (article).
17. Nelson B. Hospitalists Will Be Critical to Obamacare Success. *The Hospitalist*. January 1, 2014 (article).
18. Quinn R. Centers for Medicare & Medicaid Services (CMS) allowing specialty society registries to submit quality data to PQRS. *The Hospitalist eWire*. December 18, 2013 (cover story).
19. Quinn R. Sunshine rule requires physicians to report gifts from drug, medical device companies. *The Hospitalist*. May 1, 2013 (public policy).
20. **Lenchus JD**. Medicaid expansion: To be or not to be? *Miami Medicine* April 2013, p.9.
21. Peterman ED. Bursting at the seams. *Florida Medical Magazine*. Q4 2012.
22. Chang W. Is Hospitalist Proficiency in Bedside Procedures in Decline? *The Hospitalist*. May 25, 2012 (article).
23. Comparative effectiveness research. *American Journal of Managed Care*. February 2012.
24. Rettner R. Sneaky Killer: Just a little too much Tylenol can be deadly. *FoxNews.com*, November 2011 (multiple national outlets).
25. Leiser M. 21st-century trainer. *The Hospitalist*, October 2011.
26. England C. The Devil in the (academic) details. *Southern California Physician*, October 2011:18-22 (multiple national outlets).
27. Mitka M. New physician education initiatives seek to remove the devil from the detailing. *JAMA* 2011;306(11):1187-1188.
28. Andrews CL. The rise of the pharmaceutical un-sales force. *Forbes.com*, April 2011.
29. Gesensway D. Cold front moving in. *Today's Hospitalist*, March 2010; 20-23.

PROFESSIONAL

Funded research

1. Title: *Minimizing Iatrogenic Procedural Complications: Reducing Thoracentesis-Induced Pneumothorax Incidence*
Sponsor: Florida Medical Malpractice Joint Underwriting Association
PI: **Joshua D. Lenchus, DO** (30% effort supported)
Awarded amount: \$726,154; project dates: 7/1/16-6/30/18.
2. Title: *Minimizing Iatrogenic Procedural Complications: Reducing Thoracentesis-Induced Pneumothorax Incidence*
Sponsor: Florida Medical Malpractice Joint Underwriting Association
PI: **Joshua D. Lenchus, DO** (30% effort supported)
Awarded amount: \$748,961; project dates: 7/1/14-6/30/16.
3. Title: *A Safer Approach to Central Venous Catheter Insertion: The Four Pillars of Standardized Training*
Sponsor: Florida Medical Malpractice Joint Underwriting Association
PI: David J. Birnbach, MD, MPH; co-PI: **Joshua D. Lenchus, DO** (15% effort supported)
Awarded amount: \$599,734; project dates: 2/1/10-1/31/12.
4. Title: *Innovative Approaches to Combat Education; Knowledge Assessment and Usability Evaluation of a Mobile Learning Module and Platform*
Sponsor: Telemedicine and Advance Technology Center (TATRC), US Army, Department of Defense
PI: Jeff Augenstein, MD; co-PI: **Joshua D. Lenchus, DO** (10% effort supported)
Awarded amount: \$2,300,000; project dates: 10/1/09-5/31/11.

Unfunded research (no effort supported)

1. Title: *Appropriateness of proton pump inhibitor utilization as stress ulcer prophylaxis in hospitalized patients*; HSRO number 20090439
PI: **Joshua D. Lenchus, DO**
2. Title: *Procedural training during residency and subsequent performance of invasive bedside procedures*; HSRO number 20100810
PI: **Joshua D. Lenchus, DO**
3. Title: *Using a Web-Based Educational Intervention to Educate Internal Medicine, Neurology, Family Medicine Housestaff and Medical Students Regarding the Appropriate Use of Stress Ulcer Prophylaxis: A Randomized Controlled Trial*; HSRO number 20100546
PI: Daniel Sussman, MD; co-PI: **Joshua D. Lenchus, DO**
4. Title: *Establishing a New Standard to Measure and Achieve Improved Hand Hygiene Compliance: A Prospective Study of Healthcare Workers*; HSRO number 20090104
PI: David J. Birnbach, MD, MPH; co-PI: **Joshua D. Lenchus, DO**
5. Title: *Simulation-Based Instruction of Invasive Bedside Procedures*; HSRO number 20071109
PI: **Joshua D. Lenchus, DO**
6. Title: *The Use of a Human Simulator in a Crisis Situation for the Purpose of Training Internal Medicine Residents*; HSRO number 20057654
PI: **Joshua D. Lenchus, DO**

Editorial responsibilities

Hospital Prescriber's Letter Peer Review Panel, 2015-present
Prescriber's Letter (PL)-Voices Prescribing Insights National Roundtable Webinar Co-host, 2011-15
Editorial Advisory Board member, 2013-present
Pocket Guide to Selected Preventive Services for Adults, 9th Edition, ACP Council of Young Physicians,
Co-Editor, 2011
Prescriber's Letter, Recommendations Webinar Panel, 2011-14
Journal of Hospital Medicine, Reviewer, 2014-present
The Hospitalist, 2011-2013
The Medical Letter, Reviewer, 2010-present
The Journal of Family Practice/Primary Care Educational Consortium Hon. Advisory Panel, 2009-present
Journal of Graduate Medical Education, Reviewer, 2009-present
PracticeLink, Editorial Advisory Board member, 2008-present
American Board of Internal Medicine, General Internal Medicine Relevance Reviewer, 2007
Pharmacist's Letter, Topic Selection Panel, 2006-11

Professional and honorary organizations

American Institute of Parliamentarians member, 2015-present
Palm Beach County Medical Society honorary member, 2015-present
America's Essential Hospitals (formerly National Association of Public Hospitals and Health Systems)
member, 2012-present
Awards Committee member, 2013-15
American Medical Association member, 2012-present
Section on Medical Schools, UM representative, 2012-present
Society of Hospital Medicine Senior Fellow, 2012-present
Public Policy Committee, 2011-present
Fellow, 2010-12
Member, 2007-10
Dade County Medical Association member, 2012-present
Broward County Medical Association Treasurer, 2011-12
Secretary, 2010-11
Membership Credentialing Committee Chairman, 2010-11
Board of Directors, 2008-12
Member, 2004-13
Society of Ultrasound in Medical Education member, 2010-present
Miami-Dade County Osteopathic Medical Society President, 2010-present
Trustee, 2010-present
Secretary/Treasurer, 2008-9
Alternate Trustee, 2008-9
Member, 2008-present
Israeli Medical Association member, 2008-10
Society of Simulation in Healthcare member, 2007-present
American College of Physicians (ACP) Fellow, 2007-present
Board of Regents, 2014-15
Board of Governors, 2013-14
Council of Early Career (aka Young) Physicians
Chair, 2014-15
Chair-elect, 2013-14
Southern Regional representative, 2010-13
Health and Public Policy Committee, 2016-present
Clinical Skills Committee, chair, 2016-present, member, 2012-present
Medical Practice and Quality Committee, 2010-13
Chapter Leader Network, 2006-10

Joshua D. Lenchus, DO, RPh, FACP, SFHM

- Member, 2005-7
- Associate member, 2003-5
- Association of Program Directors in Internal Medicine member, 2006-present
- Florida Medical Association (FMA) member, 2004-present
 - Vice Speaker, 2015-present
 - Board of Governors member, 2015-present
 - Executive Committee member, 2014-present
 - Board of Governors, at-large member, 2014-15
 - Committee on Bylaws, member, 2014-15
 - Ad Hoc Committee on POLST and Advanced Care Directives, member, 2014-15
 - Committee on Finance and Appropriations, member, 2014-15
 - Optometry Prescribing Education Course, planning committee member, 2013
 - MD1000, member, 2013-present
 - Task Force on the Future of Medicine in Florida, member, 2012-14
 - Council on Healthy Floridians, chair, 2012-14
 - Scope-of-Practice Task Force, member, 2012
 - Vaccine Safety Educational Course, planning committee member, 2012
 - Council on Medical Education and Science, member, 2011-12
 - Board of Governors, Primary Care Specialty Section representative, 2010-12
 - Committee on Membership, member, 2010-12
 - Task Force on Employed Physicians, member, 2010-11
 - Reference Committee III (legislation), member, 2010, 2013
 - Reference Committee I (health, education, and public policy), member, 2009
 - Committee on CME and Accreditation, member, 2008-12
 - FMA Young Physician Section (YPS) Governing Council, 2005-9
 - FMAPAC member, 2004-present
 - o Testimony provided
 - Pharmacist provider status bill, 2016 legislative session
 - Nurse practitioner independent practice bill, 2014 legislative session
 - Optometry prescribing bill, 2010 legislative session
 - Pharmacist vaccination bill, 2009 legislative session
- Florida Chapter of the ACP member, 2003-present
 - Council of Early Career (aka Young) Physicians, inaugural chairman, 2008-14
 - Governor's Council member, 2008-14
 - Medical Economics Regulatory Committee, member, 2007-present
 - Legislative Committee, member, 2007-present
 - Florida Chapter ACP Delegate to FMA House of Delegates, 2005, 2007-2014
- Florida Osteopathic Medical Association 1st Vice President, 12/2015-present
 - 2nd Vice President, 2/15-12/15
 - Director-at-Large, 2012-15
 - Continuing Education and Academic Quality Committee, member, 2016-present
 - Long Range Strategic Planning Committee, vice chair, 2016-present
 - Legislative Committee, vice chair, 2016-present; member, 2010-16
 - Graduate Medical Education Committee, chair, 2016-present; vice chair, 2008-16
 - Department of Public Affairs, chair, 2016-present
 - Insurance Committee, member, 2014-16
 - Awards and Scholarship Committee, member, 2014-16
 - Men's Health Issues Committee, member, 2013-14
 - Task Force on the ACGME Unification Proposal, 2012-16
 - Bureau of Continuing Medical Education Committee, member, 2012-16
 - Florida Medical Association Liaison, 2011-present
 - Public Relations and Social Media Committee, member, 2010-16
 - Membership Committee, member, 2008-10
 - Member, 2000-present
- Broward County Osteopathic Medical Association member, 2000-10

Joshua D. Lenchus, DO, RPh, FACP, SFHM

American Osteopathic Association member, 1996-present
House of Delegates, Delegate, 2011, 2012, 2015; Alternate delegate, 2010
Education reference committee member, 2015
Sanofi-Aventis Speaker's Bureau, 2006-10
Pfizer Speaker's Bureau, 2004-6, 2008-10
Parke-Davis National Speaker's Bureau 1996-7
Glaxo-Wellcome National Speaker's Bureau, 1995-7

Honors and awards

Alpha Omega Alpha Honor Medical Society, Faculty inductee, 2015
Florida Osteopathic Medical Association Physician of the Year, 2015
UMMSM Division of Hospital Medicine Award of Excellence for Resident Teaching, 2014
Broward College Hall of Distinction, Distinguished Alumni Merit Award, 2014
Soref Jewish Community Center/Bill Keith Humanitarian of the Year, 2014
JMHS Internal Medicine Residency Program, Faculty Award for Excellence in Teaching, 2012-13
UMMSM Division of Hospital Medicine Award of Excellence for Resident Teaching, 2012
Elected Senior Fellow of the Society of Hospital Medicine, 2012
Elected Fellow of the UMMSM Academy of Medical Educators, 2012
JMHS Medicine-Pediatrics Residency Program, Medicine Attending of the Year, 2011
American College of Physicians, LEAD Leadership Certification, 2011
UMMSM Division of Hospital Medicine Award of Excellence for Resident Teaching, 2010
UMMSM Division of Hospital Medicine Award of Excellence for Curriculum Development, 2010
Faculty Citizenship inaugural award recipient (one of ten), UMMSM, 2010
Elected Fellow of the Society of Hospital Medicine, 2010
Who's Who in America, 2010-15
One of "America's Top Physicians," Consumers' Research Council of America, 2009-14
Internal Medicine Teaching Award, UMMSM Department of Medicine, 2007-8
"Emerging Leaders in Medicine" as published in the Journal of the FMA, 2008
Elected Fellow of the American College of Physicians, 2007
Preceptor of Distinction Award, Palm Beach Atlantic University Gregory School of Pharmacy, 2007
Certificate of Appreciation, UMMSM Department of Medicine, Student Inpatient Teaching Award, 2006-7
Key Contact Award, Florida Chapter of the American College of Physicians, 2006
Certificate of Appreciation, UMMSM Internal Medicine Jr. Clerkship Bedside Teaching Rounds, 2005-6
Plaque of Appreciation, JHS Graduate Medical Education Committee, 2004
Plaque of Appreciation, Committee of Interns and Residents, 2004
Alachua County Association of Pharmacists award (peer-selected), 1993
Who's Who Among Students in American Universities and Colleges, 1993
Phi Lambda Sigma (national pharmacy leadership society), 1992
Who's Who Among Students in American Junior Colleges, 1990
Phi Theta Kappa (international junior college honor society), 1988-90
United States Achievement Academy All-American Scholar, 1989-90

TEACHING/PRESENTATIONS

University of Miami Miller School of Medicine (UMMSM) – medical students

1. "Osteopathic Medicine as a path to becoming a physician", Phi Delta Epsilon pre-medical student fraternity, University of Miami, 2015
2. "Politics and Medicine", Health Law Pathway, 2015
3. "And Now, The Rest of the Healthcare Reform Story", MD-MPH class, 2014, 2015
4. GME overview, Save GME week, Student Chapter of the American Medical Association, 2013
5. Multi-faith panel on religion and medicine, Multi-Faith Society, 2013
6. "The Affordable Care Act: What You're Not Being Told", Student Chapter of the American Medical Association, 2013

Joshua D. Lenchus, DO, RPh, FACP, SFHM

7. “*Medical Care Under the ACA: Opportunities for Improvement*”, Students Promoting Action, Responsibility, and Knowledge (SPARK), 2012
8. Health care policy debate, Student Chapter of the American Medical Association, 2012
9. “*The State of GME Funding*”, Student Chapter of the American Medical Association, 2011
10. “*Buckle Up for Safety: Checklists in Healthcare*”, Medical Student Patient Safety Week, 2011
11. Medical Ethics, Jewish Medical Student Association, 2011, 2012
12. Healthcare law, Primary Care Week, SPARK, 2010
13. Monthly medical student lumbar puncture training during neurology clerkship, 2009-present
14. Health care policy, Jay Weiss Center for Social Medicine and Health Equity, 2009
15. Health care policy debate, SPARK, 2009
16. Presidential candidates’ health care proposal debate, National Primary Care Week, 2008
17. Health care policy debate, Cover the Uninsured Week, 2008, 2009
18. “*How to Prevent Medical Errors*”, Patient Safety Week, 2008
19. “*Big 10 IM Dinner presentation*”, Hospital Medicine representative, 2008, 2009
20. Monthly medical student paracentesis training during medicine clerkship, 2007-present
21. Patient-Oriented Problem Solving Facilitator: 3rd-year students, 2006-9
22. Bedside Teaching Rounds Attending: 3rd-year students, 2006

Postgraduate training

1. Center for Patient Safety-JMH Internal Medicine Residency Procedure Team rotation Creator, Medical Director, & Instructor, 2007-present
2. Center for Patient Safety-JMH Internal Medicine Residency “Code Blue” crisis management simulation course Creator, Director, & Instructor, 2005-7
3. The Art of Leadership seminar series, co-director and faculty
4. Monthly lecture on simulation scenario development, Miami VAMC quality and patient safety rotation, 2014-15
5. “*Workforce Issues*”, JMH Internal Medicine Primary Care residency group, 2013
6. “*The Affordable Care Act: What You’re Not Being Told*”, JMH Internal Medicine Primary Care residency group, 2013
7. “*State of Healthcare*”, JMH Internal Medicine noon conference, 2012
8. Hospital Medicine track moderator, 2011
9. JMH Orientation presenter, “*We Owe Our Patients Safe Care*,” 2011
10. Hospital Medicine track journal club moderator: GME and Patient Safety, 2009
11. Journal Club Moderator, “*Hospital-wide code rates and mortality before and after implementation of a rapid response team*”, Medicine-Pediatrics noon conference, 2008
12. Center for Patient Safety, Intern Orientation, “*Medical Errors*,” Faculty, 2007
13. JMH Orientation presenter, “*When you need help*,” 2006-8
14. Journal Club Moderator, “*The Effect of Bisoprolol on Perioperative Mortality and Myocardial Infarction in High-Risk Patients Undergoing Vascular Surgery*”, Cardiovascular Disease Forum, 2006
15. “*Reducing the Burden of VTE in the Medical Patient*”, NSU Family Practice Residents, 2006
16. FLACP Fall Regional Meeting, “*What Works in Your Office?*” Moderator, 2007
17. ACP Legislative Advocacy Panel, *Florida Associate’s Meeting*, 2005, 2006
18. “*ACP D.C. Update*”, JMH Internal Medicine noon conference, 2005
19. “*Pre-operative Medical Clearance*”, JMH Ambulatory rotation, 2005
20. Monthly lecture on “*Atrial Fibrillation*”, JMH medicine wards, 2004-7

Internal lectures (with and without continuing medical education credit)

2015

1. “*Teaching under different settings: Grand rounds*”, UM Division of Hospital Medicine Professional Development Series, Miami, FL

Joshua D. Lenchus, DO, RPh, FACP, SFHM

2014

2. “*How Healthcare Reform Affects Me*”, UM Department of Obstetrics and Gynecology Grand Rounds, Miami, FL
3. “*Lead, Follow, or Get out of the Way*”, UM Division of Hospital Medicine Professional Development Series, Miami, FL
4. “*How Low is Low Enough? Reducing Central Line-Associated Bloodstream Infections*”, UMHC/SCCC Patient Safety Initiatives Week, Keynote Speaker, Miami, FL

2013

5. “*The Procedure Service: A Multi-Year Mission to Provide Safer Patient Care*”, UM Department of Medicine Grand Rounds, Miami, FL
6. “*Procedural Billing and Coding*”, UM Division of Hospital Medicine Billing and Coding Lecture Series, Miami, FL
7. “*2013 Healthcare Reform Update*”, UM Division of Hospital Medicine Grand Rounds, Miami, FL

2012

8. “*After the Supreme Court Decision: Where Does Healthcare Go From Here?*”, UM Department of Family Medicine and Community Health Grand Rounds, Miami, FL
9. “*After the Supreme Court Decision: Where Does Healthcare Go From Here?*”, UM Department of Pediatrics Grand Rounds, Miami, FL
10. “*After the Supreme Court Decision: Where Does Healthcare Go From Here?*”, UM Department of Medicine Grand Rounds, Miami, FL
11. “*A New Beginning: What Politics Teaches Us About Medicine*”, UM Department of Obstetrics and Gynecology Grand Rounds, Miami, FL
12. “*The Politics of Medicine: What Does the Future Hold?*”, UM Division of Hospital Medicine Grand Rounds, Miami, FL

2011

13. “*Learn, See, Practice, Do: A New Method of Procedural Education*”, UM Medical Education Grand Rounds, Miami, FL
14. “*Medicine Consult Service: Meeting Service and Teaching Needs*”, 6th Perioperative Medicine Summit, Miami Beach, FL
15. “*Patient Safety Update*”, UM Department of Plastic Surgery Grand Rounds, Miami, FL

2010

16. “*The Procedure Service: Three Years Later*”, UM Department of Medicine Grand Rounds, Miami, FL
17. “*The Next Generation of Invasive Bedside Procedural Instruction*”, UM Department of Pediatrics Grand Rounds, Miami, FL
18. Hospitalist lunch breakout session, 5th Perioperative Medicine Summit, Miami Beach, FL

2009

19. “*A New Paradigm in Invasive Bedside Procedural Instruction*”, JMH Medicine-Pediatrics noon lecture, Miami, FL
20. “*A New Paradigm in Invasive Bedside Procedural Instruction*”, UM Department of Family Medicine and Community Health, Miami, FL
21. “*A New Paradigm in Invasive Procedures Education*”, UM Department of Anesthesiology Grand Rounds, Miami, FL
22. “*Procedural Instruction: A New Approach*”, UM Division of Gynecological Oncology journal club, Miami, FL
23. “*A Patient Safe Approach to Bedside Procedural Instruction*”, UM Department of Surgery faculty meeting, Miami, FL
24. “*The Next Paradigm in Invasive Bedside Procedural Instruction: A Focus on Patient Safety*”, UM Department of Neurology Grand Rounds, Miami, FL

25. *“Patient Safety in Bedside Procedures”*, UM-JMH Graduate Medical Education Committee Retreat, Miami, FL
26. Hospitalist lunch breakout session, 4th Perioperative Medicine Summit, Miami Beach, FL

2008

27. *“Enhancing Patient Safety Around Bedside Procedure,”* UM Department of Medicine Grand Rounds, Miami, FL
28. *“An Innovative Curriculum for Bedside Procedures,”* UM Division of Hospital Medicine Grand Rounds, Miami, FL
29. *“VTE Prophylaxis in Hospitalized Medical Patients”*, UM Division of Hospital Medicine Grand Rounds, Miami, FL

2007

30. *“An Evidence and Guidelines-based Approach to UA/NSTEMI”*, Miami VA Medical Center, Miami, FL
31. *“Enoxaparin for DVT Prophylaxis in the Medically Ill Patient”*, Sylvester Comprehensive Cancer Center, Advanced Practice Council Meeting, Miami, FL

2006

32. *“Venous Thromboembolism – An Evidence Based Approach to Diagnosis, Prevention, and Treatment”*, Sylvester Comp. Cancer Center, Advanced Practice Council Meeting, Miami, FL

External invited lectures (with and without continuing medical education credit)

“Clinical Years, Interviews, and The Match”, Nova Southeastern University College of Osteopathic Medicine, various student organizations, 2006-14

2016

1. *“The Affordable Care Act: Still Providing Affordable Care?”*, Mount Sinai Medical Center Department of Medicine Grand Rounds, Miami Beach, FL
2. *“Federal and State Laws Relating to Prescribing of Controlled Substances”*, Florida Osteopathic Medical Association, Weston, FL
3. *“Federal and State Laws Relating to Prescribing of Controlled Substances”*, Florida Osteopathic Medical Association, Davie, FL
4. *“FMA Legislative Update”*, Citrus County Medical Society, Inverness, FL
5. *“Anticoagulation Update”*, Florida Osteopathic Medical Association, 113th annual convention, Weston, FL
6. *“Using the SPEAR but avoiding the TIP: Simulation-based procedural education and rotation reduces thoracentesis-induced pneumothorax”*, Human Patient Simulation Network, Tampa, FL

2015

7. Phi Theta Kappa Omega Phi chapter, Fall induction ceremony honorary speaker, Broward College North Campus, Coconut Creek, FL
8. *“How Pharmacists are Perceived by Those Who Have Provider Status”*, Fall Classic, Nova Southeastern University College of Pharmacy, Davie, FL
9. First annual ultrasound-guided procedural course, Rapid City Regional Hospital, Rapid City, SD
10. *“Federal and State Laws Related to the Prescribing of Controlled Substances”*, Palmetto General Hospital, Hialeah, FL
11. *“Optimizing Antiplatelet Therapy and Secondary Prevention Strategies in Acute Coronary Syndromes: The Role of the Primary Care Practitioner in the Continuum of Care”*, OMED: Osteopathic Medical Conference & Exposition, Orlando, FL
12. *“Federal and State Laws Related to the Prescribing of Controlled Substances”*, Florida Osteopathic Medical Association Mid-Year Seminar, Tampa, FL
13. *“Central venous catheterization: A patient safe approach”*, Putting Prevention into Practice: 2015 updates, 2nd annual symposium, Ross University, Miramar, FL

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14. Phi Theta Kappa Omega Phi chapter, Spring induction ceremony honorary speaker, Broward College North Campus, Coconut Creek, FL
15. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Palms of Pasadena, St. Petersburg, FL
16. “Public Policy 101: A Primer on Understanding and Influencing Healthcare Policy and Legislation”, panelist, Society of Hospital Medicine, National Harbor, MD
17. “*Bedside Procedures: The Evidence and the Cost of Doing Business*”, Society of Hospital Medicine, National Harbor, MD
18. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Memorial Health University Medical Center, Savannah, GA
19. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Aventura Hospital, Aventura, FL
20. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, The University of Alabama at Birmingham, Birmingham, AL
21. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, St. Vincent’s Birmingham, Birmingham, AL
22. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, The Aroostook Medical Center, Presque Isle, ME
23. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Baylor Garland, Garland, TX
24. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Northside Hospital, St. Petersburg, FL
25. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Indiana Regional Medical Center, Indiana, PA
26. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Rolling Plains Memorial Hospital, Sweetwater, TX
27. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Robinson Memorial Hospital, Ravenna, OH
28. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Trumbull Memorial Hospital, Warren, OH
29. “*Moving the Patient Safety Needle Forward, One Procedure at a Time*”, Rhode Island Hospital, Brown University, Providence, RI
30. “*Medical Optimization Pre-Op*”, Florida Osteopathic Medical Association, 112th annual convention, Weston, FL
31. “*Federal and State Laws Related to the Prescribing of Controlled Substances*”, Florida Osteopathic Medical Association, 112th annual convention, Weston, FL

2014

32. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Western Maryland Health System, Cumberland, MD
33. “*Healthcare Reform: Where are we now and Where do we go from here?*”, Continuing Education, Inc., The University at Sea’s Hospital Medicine, Royal Caribbean’s Allure of the Seas
34. “*Preoperative Risk Assessment*”, Continuing Education, Inc., The University at Sea’s Hospital Medicine, Royal Caribbean’s Allure of the Seas
35. “*Fundamentals of Evidence-Based Medicine*”, Continuing Education, Inc., The University at Sea’s Hospital Medicine, Royal Caribbean’s Allure of the Seas
36. “*Reducing Central Line-Associated Bloodstream Infections*”, Continuing Education, Inc., The University at Sea’s Hospital Medicine, Royal Caribbean’s Allure of the Seas
37. “*Diagnosis and Treatment of Ascites and Pleural Effusion*”, Continuing Education, Inc., The University at Sea’s Hospital Medicine, Royal Caribbean’s Allure of the Seas
38. “*A Regular Update of an Irregular Rhythm*”, Continuing Education, Inc., The University at Sea’s Hospital Medicine, Royal Caribbean’s Allure of the Seas
39. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Community Hospital of Anderson, Anderson, IN
40. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Magnolia Regional Health Center, Corinth, MS

41. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, North Cypress Medical Center, Cypress, TX
42. “*Procedures You Can Do In Your Office*”, Pri-Med Regional Conference, Indianapolis, IN
43. “*Bedside Ultrasound-Guided Procedures*”, Department of Medicine Grand Rounds, Lankenau Medical Center, Wynnewood, PA
44. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, University of Arkansas for Medical Sciences West, Fort Smith, AR
45. “*Procedural Skills Training in Canadian Internal Medicine: Setting the Agenda*”, panelist/attendee, Toronto, Ontario, Canada
46. “*Fundamentals of Ultrasound for Bedside Procedures*”, Department of Medicine Grand Rounds, Mount Sinai Medical Center, Miami Beach, FL
47. “*Federal and State Laws Related to the Prescribing of Controlled Substances*”, Florida Osteopathic Medical Association Mid-Year Seminar, Tampa, FL
48. “*The Impact of the Affordable Care Act on Your Practice*”, North Shore Medical Center and Hialeah Hospital OB/GYN Symposium, Doral, FL
49. “*Preventing Avoidable Readmissions: Strategies to Optimize ACS Transitions of Care*”, Terre Haute Regional Hospital, Terre Haute, IN
50. “*Transitioning ACS Patients from Hospital to Home*”, Regional Osteopathic Medical Education – New England, Mashantucket, CT
51. “*Attacking Obesity at the Community Level*”, Achieving Healthiest Weight Activity Director and Moderator, Florida Medical Association Annual Meeting, Orlando, FL
52. “*2014 Healthcare Reform Update*”, 9th Annual New Orleans Summer Cancer Meeting, New Orleans, LA
53. AOA-ACGME perspectives panel, Council of Osteopathic Student Government Presidents, American Association of Colleges of Osteopathic Medicine, Chicago, IL
54. “*Patient Safety Update*”, Grand Rounds, Broward Health Medical Center, Ft. Lauderdale, FL
55. “*Making the Grade: Using Evidence-Based Guidelines to Improve ACS Performance Measures and Patient Outcomes*”, Case Manager Society of America national meeting, Cleveland, OH
56. “*Transitioning ACS Patients from Hospital to Home*”, Georgia Academy of Family Physicians, Hilton Head, SC
57. “*Procedures You Can Do In Your Office*”, Pri-Med Regional Conference, Irving, TX
58. “*Atrial Fibrillation, Anticoagulants, Antidotes*”, 25th Annual Contemporary Pharmacy Issues, Nova Southeastern University, Davie, FL
59. “*Transitioning ACS Patients from Hospital to Home*”, Indiana Osteopathic Medical Association, French Lick, IN
60. “*Team-Based Solutions for Transitioning ACS Patients into Community-Based Care*”, Shady Grove Adventist Hospital, Rockville, MD
61. “*Healthcare Reform: How Does it Impact My Clinical Practice*”, The William A. Little Society, University of Miami, OB/GYN Alumni Society, Coconut Grove, FL
62. “*Federal and State Laws Relating to Prescribing of Controlled Substances*”, Florida Osteopathic Medical Association, Davie, FL
63. “*How Do You Measure Up? Applying the Guidelines to Meet Performance Measures in ACS Care*”, Society of Hospital Medicine, Las Vegas, NV
64. “*Preventing the Revolving Door of ACS Readmissions*”, Activity Chair, Society of Hospital Medicine, Las Vegas, NV
65. “*Healthcare Reform: How Does it Impact My Clinical Practice*”, Rush University Medical Center, Division of Hospital Medicine Grand Rounds, Chicago, IL
66. “*Clinical Update – A Housestaff-Based Procedure Service*”, Rush University Medical Center Department of Medicine Grand Rounds, Chicago, IL (visiting professor)
67. “*Closing the Gap: Implementing Secondary Prevention Guidelines in Primary Care*”, American College of Osteopathic Family Physicians, Philadelphia, PA
68. “*Atrial Fibrillation, Anticoagulants, Antidotes*”, North Shore Medical Center, Miami, FL
69. “*Diagnosis and Treatment of Ascites and Pleural Effusion*”, Florida Osteopathic Medical Association Annual Conference, Weston, FL
70. “*Team-Based Solutions for Transitioning ACS Patients into Community-Based Care*”, Cary Medical Center, Caribou, ME

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71. *“Team-Based Solutions for Transitioning ACS Patients into Community-Based Care”*, Saint Alphonsus Regional Medical Center, Boise, ID
72. *“Team-Based Solutions for Transitioning ACS Patients into Community-Based Care”*, Palmetto General Hospital, Hialeah, FL

2013

73. *“Team-Based Solutions for Transitioning ACS Patients into Community-Based Care”*, St. Cloud Regional Medical Center, St. Cloud, FL
74. *“Team-Based Solutions for Transitioning ACS Patients into Community-Based Care”*, Mitchell County Hospital District, Colorado City, TX
75. *“Team-Based Solutions for Transitioning ACS Patients into Community-Based Care”*, Mary Black Hospital, Spartanburg, SC
76. *“Team-Based Solutions for Transitioning ACS Patients into Community-Based Care”*, Osceola Regional Medical Center, Kissimmee, FL
77. *“Engaging, Recruiting, and Retaining Early Career Physicians”*, American College of Physicians Governor-Elect workshop, Savannah, GA
78. *“ACP Council of Early Career Physicians”*, American College of Physicians Board of Governors Webinar, National
79. *“Diagnosis and Treatment of Pleural Effusion and Ascites”*, Florida Society of the American College of Osteopathic Family Physicians, 33rd annual convention, Orlando, FL
80. *“The Obesity Crisis in Florida: Report from the Frontline”*, Activity Director and Moderator, Florida Medical Association Annual Session, Orlando, FL
81. *“Healthcare reform: What does it really mean and how will it impact your clinical practice in the near future and long term?”*, 8th Annual New Orleans Summer Cancer Meeting, New Orleans, LA
82. *“End of the ‘see one,’ ‘do one,’ ‘teach one’ era: The next generation of invasive bedside procedural instruction”*, Statewide Campus System Forum on Graduate Medical Education Issues, Michigan State University College of Osteopathic Medicine
83. *“Government Rules Affecting Medical Practice”*, Jupiter Medical Center Grand Rounds teleconference

2012

84. *“Politics and Medicine”*, Student National Medical Association Regional Medical Education Conference, Miami, FL
85. Healthcare policy, Student Chapter of the American Medical Association, Florida International University Herbert Wertheim College of Medicine, Miami, FL
86. *“Pre-operative Risk Assessment”*, 37th Annual Seminars in Family Practice, Southwest Florida Osteopathic Medical Society, Sanibel Island, FL
87. *“Fundamentals of Ultrasound for Bedside Procedures,”* Florida Osteopathic Medical Association Mid-Year Seminar, Tampa, FL
88. *“Diagnosis and Management of Ascites and Pleural Effusion,”* Florida Osteopathic Medical Association Mid-Year Seminar, Tampa, FL
89. *“A Patient Safe Curriculum in Invasive Bedside Procedural Performance,”* Department of Medicine Grand Rounds, University of Florida-Jacksonville, Jacksonville, FL (visiting professor)
90. *“Simulation-based invasive bedside procedural education,”* Department of Medicine Grand Rounds, Mount Sinai Medical Center, Miami Beach, FL
91. *“Dyslipidemia in High-Risk Patient Populations,”* Monroe Osteopathic Medical Association Annual Conference, Key Largo, FL
92. *“Taking Control of Your Future in Medicine,”* Florida International University Herbert Wertheim College of Medicine, Student Chapter of the American Medical Association, Miami, FL
93. *“Medical Evaluation of the Preoperative Patient,”* Hialeah Hospital, Hialeah, FL
94. *“Learning Anew: An Invasive Bedside Procedural Curriculum”*, Medical Grand Rounds, Hospital of St. Raphael, New Haven, CT
95. *“Medical Evaluation of the Preoperative Patient,”* North Shore Medical Center, Miami, FL
96. *“Preoperative Medical Evaluation”*, Florida Osteopathic Medical Association Annual Conference, Weston, FL

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97. Panelist/presenter, *“Asymmetry in the Ability to Communicate CER Findings: Ethics and Issues for Informed Decision Making”*, National Pharmaceutical Council, Washington DC
98. *“Learning How To Say No”*, ACP Illinois Chapter Leadership Development Webinar
99. *“Taking Control of Your Future”*, American Medical Association-Medical Student Section Region IV Meeting, Ft. Lauderdale, FL

2011

100. *“Enhancing Patient Safety in Primary Care Practice”*, Pri-Med, Tampa, FL
101. *“Medical Management of Ascites and Effusions”*, SYNERGY 2011, Miami Beach, FL
102. *“The Secret of Success”*, Nova Southeastern University Neuro-Psych Club, Ft. Lauderdale, FL
103. *“Preoperative Medical Evaluation”*, 36th Annual Seminars in Family Practice, Southwest Florida Osteopathic Medical Society, Sanibel Island, FL
104. Health care panelist, Nova Southeastern University Student Chapter of the Florida Osteopathic Medical Association, Ft. Lauderdale, FL
105. *“Florida Medical Association Medical Student Section”*, Nova Southeastern University, Student Chapter of the Florida Medical Association, Ft. Lauderdale, FL
106. Panelist, *“Asymmetry in the Ability to Communicate Comparative Effectiveness Research Findings”*, National Pharmaceutical Council, New York, NY
107. *“Interventions to Reduce Central Line Associated Bloodstream Infections”*, Risk reduction strategies: critical choices for critical care, Miami, FL
108. *“Patient Safety First: The Procedure Team”*, Internal Medicine noon conference, Mount Sinai Medical Center, Miami Beach, FL
109. *“Patient Safety First: The Procedure Team”*, Emergency Medicine Residents academic conference, Mount Sinai Medical Center, Miami Beach, FL
110. *“Prophylaxis and Treatment of Venous Thromboembolism”*, American Medical Seminars, Inc., Sarasota, FL
111. *“Dyslipidemia in High-Risk Patient Populations”*, American Medical Seminars, Inc., Sarasota, FL
112. *“Preoperative Medical Evaluation”*, American Medical Seminars, Inc., Sarasota, FL
113. *“Patient Safety”*, American Medical Seminars, Inc., Sarasota, FL
114. *“Preoperative Medical Evaluation”*, Florida Osteopathic Medical Association Annual Conference, Weston, FL
115. *“Enhancing Patient Safety in Primary Care Practice”*, Pri-Med South, Ft. Lauderdale, FL
116. *“USMLE v COMLEX”*, Nova Southeastern University, Student Chapter of the Florida Osteopathic Medical Association, Ft. Lauderdale, FL
117. *“The Extinction of the “See One, Do One, Teach One” Method*, Christiana Care Health System, Department of Medicine Grand Rounds, Wilmington, DE

2010

118. *“Learn, See, Practice, Do: A New Paradigm in Procedural Instruction”*, University of Louisville Department of Anesthesiology and Perioperative Medicine, Louisville, KY (visiting professor)
119. *“Dyslipidemia in High Risk Patients”*, South Florida Society of Health-System Pharmacists, Miami, FL
120. Health care panelist, Nova Southeastern University Student Chapter of the Florida Osteopathic Medical Association, Ft. Lauderdale, FL
121. *“The End of the ‘See one, do one, teach one’ Era”*, University of South Florida Department of Medicine Grand Rounds, Tampa, FL
122. *“Formulary Challenges & Decisions: The Impact on Pharmacists”*, 21st Annual Contemporary Pharmacy Issues, Keynote Speaker, Nova Southeastern University, Davie, FL
123. *“The Procedure Team: An Innovative Approach to Procedural Competency”*, Southeast Regional National Med-Peds Residents’ Association, Miami, FL
124. *“Preoperative Medical Evaluation”*, Florida Osteopathic Medical Association Annual Conference, Weston, FL
125. *“Primum non Nocere: A Safer Approach to Learning and Performing Invasive Bedside Procedures”*, JFK Medical Center, Atlantis, FL

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126. "A New Paradigm in Invasive Bedside Procedural Training", Orlando Health, Orlando, FL
(visiting professor)
127. "USMLE v COMLEX", Nova Southeastern University United Osteopathic Advocates, Ft.
Lauderdale, FL

2009

128. Health care panelist, Nova Southeastern University Student Chapter of the Florida Osteopathic
Medical Association, Ft. Lauderdale, FL
129. Physician panel member, Hospital panel member, Miami-Dade County Public School Health Care
Symposium, Miami, FL
130. "Health care advocacy", Nova Southeastern University College of Osteopathic Medicine, Florida
Osteopathic Medical Association Student Dinner, Ft. Lauderdale, FL
131. "A Safer Approach to Invasive Bedside Procedures", Cleveland Clinic Florida noon lecture,
Weston, FL
132. "Health care advocacy", Nova Southeastern University College of Osteopathic Medicine noon
lecture, Ft. Lauderdale, FL
133. "A Patient Safe Approach to Bedside Procedural Instruction", Mount Sinai Medical Center noon
presentation, Miami Beach, FL
134. "Enhancing Patient Safety around Bedside Procedures", Nova Southeastern University College
of Osteopathic Medicine Grand Rounds, Ft. Lauderdale, FL
135. "Overview of Dyslipidemia Treatment in the High-Risk Patient", Florida Osteopathic Medical
Association Annual Conference, Ft. Lauderdale, FL
136. "Enhancing Patient Safety around Bedside Procedures", Palmetto General Hospital Noon
Conference, Hialeah, FL
137. "Enhancing Patient Safety around Bedside Procedures", University of Florida Department of
Medicine Grand Rounds, Gainesville, FL

2008

138. "Appropriate Treatment of Acute DVT in Hospitalized Patients and Outpatients", Palmetto
General Hospital Noon Conference, Hialeah, FL
139. "Venous Thromboembolism: Do Your Patients Receive the Appropriate Prophylaxis and
Treatment?", Florida Osteopathic Medical Association Mid-Year Seminar, Tampa, FL
140. "Evidence based Medicine: A Pharmacist Decision-making Tool", 19th Annual Contemporary
Pharmacy Issues, Keynote Speaker, Nova Southeastern University, Davie, FL
141. "Updates in Acute Coronary Syndromes", Palm Beach County Society of Health-System
Pharmacists, West Palm Beach, FL
142. "Procedural Instruction", Mount Sinai Medical Center – Miami Beach, Emergency Department
Residents

2007

143. "Venous Thromboembolism – An Evidence Based Approach to Diagnosis, Prevention, and
Treatment", Jupiter Medical Center, Jupiter, FL

2006

144. "DVT Prophylaxis in the Medically Ill Patient", South Florida Society of Health-System
Pharmacists, Miami, FL
145. "Enoxaparin for DVT Prophylaxis in the Medically Ill Patient", South Florida Society of Health-
System Pharmacists, Miami, FL
146. "Venous Thromboembolism – An Evidence Based Approach to Diagnosis, Prevention, and
Treatment", Cuban Pharmaceutical Association, Kendall, FL

2005

147. Drug-Induced Diseases, Panelist, 5th Annual Conference: The NSU Fall Classic, Davie, FL
148. "Evidence-based Medicine & You: A Symbiotic Relationship", 5th Annual Conference: The NSU
Fall Classic, Davie, FL

149. *Concierge Medicine, Pay-for-Performance* Panelist, A Glimpse of the Future of Healthcare in America, NSU, Davie, FL
150. “*MD-VIP and Pay-for-Performance*”, Community Citizens, A Glimpse of the Future of Healthcare in America, NSU, Davie, FL
151. “*Avastin (Bevacizumab) and Hypertension*”, Avastin for Neovascular Age-Related Macular Degeneration Discussion Group, Ft. Lauderdale, FL

Other (invited, sponsored, non-CME)

2015

1. Bristol-Myers Squibb Advisory Board, Chicago, IL
2. Daiichi Sankyo Advisory Board, Miami, FL
3. Pfizer Hospitalist Advisory Board, National Harbor, MD
4. Astra Zeneca PCP Advisory Board, Dallas, TX

2013

5. Ultrasound-guided vascular access training, Doctor’s Hospital, Coral Gables, FL
6. “*Introduction to Acute Point-of-Care Ultrasound Applications*,” “*Ultrasound-Guided Procedures for Reducing Complications*,” Visual Medicine workshops, SonoSite, Ft. Lauderdale, FL
7. “*Impact of the Changing Healthcare Environment*” Meeting, Janssen Pharmaceuticals, New Brunswick, NJ

2012

8. Ultrasound-guided vascular access training, EmCare, West Palm Hospital, West Palm Beach, FL
9. National Hyponatremia Scientific Advisory Board, Otsuka, Weehawken, NJ
10. Ultrasound-guided vascular access training, EmCare, Westside Regional Medical Center, Plantation, FL
11. “*The Patient Care Continuum – Diagnosis through Treatment*,” National Sales Training Meeting, CareFusion, San Diego, CA
12. “*Introduction to Acute Point-of-Care Ultrasound Applications*,” “*Ultrasound-Guided Procedures for Reducing Complications*,” Visual Medicine workshops, SonoSite, Orlando, FL
13. Hospital Formulary Advisory Board, Bristol-Myers-Squibb, Dallas, TX
14. Advisory Board, Baxter, San Diego, CA
15. “*Introduction to Acute Point-of-Care Ultrasound Applications*,” “*Ultrasound-Guided Procedures for Reducing Complications*,” Visual Medicine workshops, SonoSite, Ft. Lauderdale, FL

2010

16. Midwest Regional Hyponatremia Advisory Board, Otsuka, Chicago, IL
17. Primary Care Physician Advisory Board, Pfizer, New York, NY
18. “*DVT Prophylaxis in Hospitalized Acutely Ill Medical Patients*”, Miami Beach, FL

2009

19. “*DVT Prophylaxis in the Acutely Ill Medical Patient Across the Health Care Continuum*”, Miami Beach, FL
20. “*Managing Dyslipidemia in the Patient with Multiple Risk Factors*”, Coral Gables, FL
21. “*DVT Prophylaxis in Acutely Ill Medical Patients and in Patients Undergoing Abdominal Surgery*”, Miami Beach, FL
22. “*Appropriate DVT Prophylaxis in the Hospitalized, Acutely Ill Medical Patient with Cancer*”, Miami, FL
23. “*Appropriate DVT Prophylaxis in the Hospitalized, Acutely Ill Medical Patient*”, Kendall, FL
24. “*Therapeutic Substitution: Consideration for Clinicians*”, Miami, FL

2008

25. “*DVT and PE: Are Your Medical Patients Prophylaxed Appropriately?*”, Ft. Lauderdale, FL

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26. "An Evidence-Based Approach to Reducing CV Risk in At-Risk Patients: A Lipitor Overview", Miami, FL
27. "Appropriate DVT/PE Prophylaxis in Hospitalized Medical Patients: Review of Pharmacologic Options", Coral Gables, FL
28. "Appropriate Treatment of Acute DVT in Hospitalized Patients and Outpatients", Dade County Osteopathic Medical Association, Miami Lakes, FL
29. "DVT & PE: Are Your Medical Patients Prophylaxed Appropriately?" Miami VAMC, Miami, FL
30. "DVT & PE: Are Your Medical Patients Prophylaxed Appropriately?" Coral Gables, FL
31. "The Two Sides of DVT and PE: Prophylaxis and Treatment", Miami Beach, FL
32. "The Two Sides of DVT and PE: Prophylaxis and Treatment", Ogeechee Medical Society, Statesboro, GA

2007

33. "The Two Sides of DVT and PE: Prophylaxis and Treatment", Fon du Lac, WI
34. "The Two Sides of DVT and PE: Prophylaxis and Treatment", Miami Beach, FL

2006

35. "Treatment of DVT with or without PE", JMH Emergency Department Nurses, Miami, FL
36. Vascular Biology Working Group, Regional Adjunct Faculty, 2006-present

2005

37. "Value of Medicines", NSU College of Pharmacy students, Davie, FL

SERVICE

University committee and administrative responsibilities

- University of Miami Miller School of Medicine (UMMSM)
 - Health Care Policy Committee, 2011-present
 - Health Law Pathway Advisory Committee, 2011-present
 - Academy of Medical Educators, Fellow, 2011-present
 - Ethics and Humanities Pathway Advisory Committee, 2010-present
 - Invasive Procedures Student Interest Group Faculty Advisor, 2009-present
 - Medical Education Research Group Exchange [MERGE], 2009-11
 - UHealth Safety and Quality Governing Council, 2008-11
 - Catheter-Related Bloodstream Infections task force, chair, 2009-11
 - Medication Reconciliation task force, chair, 2009-10
 - Critical Values Reporting task force, member, 2009-10
 - Division of Hospital Medicine Clinical Operations Committee, 2009-present
 - Division of Hospital Medicine Education Committee, 2009-present
 - Division of Hospital Medicine Academic Mentoring Committee, 2008-present
 - UM Medical Group (UMMG) Leadership Council Departmental rep., 2008-11
 - Medical Claims Review Committee, 2007-present
 - Student Chapter of the American Medical Association Faculty Advisor, 2007-present
 - Attending Mentor for Medical Residents, 2006-present
 - Pompano Beach Health Fair volunteer attending, 2005
- University of Miami Hospital
 - Pharmacy and Therapeutics Committee, chair, 2008-10
- Bascom Palmer Eye Institute (BPEI)
 - Emergency Response Team Committee, member, 2006-7
- Council of Florida Medical School Deans, representative (appointed by UM Miller School of Medicine Dean), 2008-present
- White House Fellows Domestic Trip to Miami, JMH/UMMSM Site Coordinator and Host, (appointed by UM Miller School of Medicine Dean), 2007
- United States Pharmacopeia, UMMSM representative, 2008-present; conference delegate, 2010, 2015

Institutional activities

- Florida Chapter of the American College of Physicians (FLACP)
 - Legislative Advocacy/Key Contact Program, UMMSM/JMH representative to Tallahassee & Washington D.C., 2003-2013, 2015
- Jackson Health System (JHS)/Jackson Memorial Hospital (JMH)
 - Medical Executive Committee, Chairman and President of the Medical Staff, 2012-present
 - Medical Staff Vice President, 2010-12
 - At-large member, 2009-12
 - Pharmacy & Therapeutics Committee
 - Medication Safety Subcommittee member, 2009-10
 - Formulary Review Subcommittee member, 2009-10
 - Credentials Committee, chairman, 2010-12; co-chairman, 2008-10; member, 2005-12
 - Incident Command, Medical Technical Specialist for Graduate Education, 2008-2015
 - Pressure Ulcer Prevention Panel, member, 2008-9
 - Invasive Procedure Monitoring Committee, member, 2008-9
 - Rapid Response Team Planning Committee, member, 2007-9
 - Internal Medicine Residency Education Committee, member, 2007-present
 - Cardiopulmonary Resuscitation Committee, chair, 2006-10
 - Emergency Department (ED) Hypothermia Planning Committee, member, 2006-8
 - ED Service Line Quality Council, ad-hoc member, 2006-9
 - Pandemic/Avian Flu Working Group, member, 2005-6
 - Internal Medicine Internship Selection Committee, member, 2004-present
 - Graduate Medical Education Committee (GMEC), at-large member, 2004-9
 - GMEC Executive Committee, member, 2006-9
 - GMEC Subcmte on Employment, Support, Education & Grievance, chair, 2005-6
 - GMEC Internal Review Panel, administrative reviewer, 2005-9

Community activities

- Aetna National Pharmacy and Therapeutics Committee, 2012-present
- Center for Medicine in the Public Interest, Senior Fellow, 2011-present
- National Quality Forum, National Priorities Partnership Evaluation Advisory Panel, 2010-12
- State of Florida
 - Pharmacist Prescribing Committee (elected by Committee), member, 2007-present
 - Medicaid Drug Utilization Review Board/ Practitioner Prescribing Review Panel (appointed by Florida Speaker of the House), chair, 2007-11
 - Medicaid Pharmacy Services Atypical Antipsychotic Advisory Group, member, 2008-9
- Clinical Assistant Professor, University of Florida College of Pharmacy, 2007-present
- Clinical Instructor of Pharmacy Practice, Palm Beach Atlantic University, 2006-present
- Broward County Medical Reserve Corps volunteer member, 2003-present

Eduardo C. Oliveira, MD, MBA, FCCP

Cell (954) 651-0238

CURRICULUM VITAE

Employment History

April 2015 – current	Executive Medical Director, Critical Care Services, Florida Hospital System
April 2015 – current	Lead Intensivist and Director, Florida Hospital Medical Group Critical Care Services, Florida Hospital Orlando
July 2001 – 2015	<i>Staff Physician, Pulmonary and Critical Care</i> Cleveland Clinic Florida Weston, Florida
1997 – 2001	<i>Staff Physician</i> Washington Hospital Center Washington, DC

Medical Education

1998 – 2001	<i>Fellowship Training, Pulmonary and Critical Care</i> George Washington University Washington, DC
1997 – 1998	<i>Chief Resident</i> Washington Hospital Center Washington, DC
1994 – 1997	<i>Residency Training</i> Washington Hospital Center Washington, DC
1986 – 1992	Medical College of Teresopolis

Administrative Experience

April 2015 – Present	Executive Medical Director, Critical Care Services, Florida Hospital System
April 2015 – Present	Lead Intensivist and Director, Florida Hospital Medical Group Critical Care Services, Florida Hospital Orlando
August 2006 – April 2014	<i>Chief of Medicine</i> Cleveland Clinic Florida Weston, Florida
November 2014 – Present	<i>Chairman, Pulmonary and Critical Care</i>

Eduardo C. Oliveira, MD, MBA, FCCP

Cleveland Clinic Florida

July 2002 – 2014

Medical Director, Medical and Surgical ICU
Cleveland Clinic Florida
Weston, Florida

July 2003 – 2015

Head, Section of Interventional Pulmonology
Cleveland Clinic Florida
Weston, Florida

July 2006 – 2013

Member, Medical Executive Committee
Cleveland Clinic Florida
Weston, Florida

Committee Appointments

2015 – present	Chair, Critical Care Governance, Florida Hospital System
2015 – present	Clinical Leadership Committee, Florida Hospital Orlando
2015 – present	Orlando Physician Advisory Council, Florida Hospital Orlando
2015 – present	Chair, Organ Donation Council, Florida Hospital
2015 – present	Member, Ethics Committee, Florida Hospital Orlando
2015 – present	Member, Patient Safety and Quality Committee, Florida Hospital Orlando
2015 – present	Member, Medication Safety Committee, Florida Hospital Orlando
2015 – present	Member, Code Blue Committee, Florida Hospital Orlando
2015 - present	CMO council, Florida Hospital System, Orlando
2015 – present	Information and Technology Committee, Florida Hospital System, Orlando
2015 – present	Mortality Committee, Florida Hospital Orlnado
2015 – present	Ethics Committee, Florida Hospital Orlando
2012 – 2013	Co-Chair, Florida Healthcare Executive Summit
2012 – 2013	Chair, Physician Affiliation Committee, Cleveland Clinic Florida
2012 - 2014	Member, Transplant Committee, Cleveland Clinic Florida (CCF)

Eduardo C. Oliveira, MD, MBA, FCCP

2007 – 2012	Member, Medical-Legal Risk Committee, CCF
2007 – 2010	Chairman, Peer Review Committee, CCF
2007 – 2009	Co-Chairman, Endoscopy Committee, CCF
2006 – 2013	Member, Medical Executive Committee, CCF
2006 – 2013	Member, Operations Council Committee, CCF
2006 – 2010	Vice-Chairman, Ethics Committee, CCF
2005 – 2015	Member, Resident Recruitment Committee, CCF
2003 – 2015	Member, P and T Committee, CCF
2002 – 2015	Chairman, Critical Care Committee, CCF
2001 – 2015	Member, Infectious Control Committee, CCF
2001 – 2015	Member, OR/Interventional Committee, CCF

Leadership and Business Training

August 2008 – August 2010	<i>Masters in Business Administration (MBA)</i> George Washington University Business School
May 2009	<i>Leading High Performance Healthcare Organizations</i> Harvard Business School
September 2006 – May 2007	<i>Leadership in Health Care</i> Cleveland Clinic Foundation Cleveland, Ohio

Administrative Accomplishments and Responsibilities

Currently	Building a critical care physician coverage and care model for the 7 Florida Hospitals at Orlando.
2006-2013	Fiscal, clinical and administrative staff management of the Division of Medicine which included the following departments (close to 120 physicians in the department): Internal Medicine, Cardiology, Gastroenterology, Pulmonary, Nephrology, Neurology, Allergy Immunology, Rheumatology, Geriatrics, Family Medicine, Emergency Room Medicine, Infectious diseases, Dermatology
2006-2013	Financial, clinical and faculty staff management of all medicine based GME programs (Internal Medicine, Cardiology, Pulmonary, Geriatrics, Nephrology, Neurology, Gastroenterology)
2006-2013	Responsible for the recruitment of department Chairs for Medical Specialties (Cardiology, Gastroenterology, Family Practice, Internal Medicine, Nephrology, Neurology, Infectious Disease)

Eduardo C. Oliveira, MD, MBA, FCCP

2006-2013	Responsible for the recruitment of 80 physicians of multiple specialties during my tenure as Chief of Medicine
2009	Minute Clinic CCF Collaboration Implementation and Management (Florida)
2004	Organization and development of the Interventional Bronchoscopy Program including EBUS, Bronchial Thermoplasty, Pleuroscopy, Navigation bronchoscopy among other services.
2010	Developed Lung Cancer Multidisciplinary Clinic (CCF)
2010	Development of the Performance Institute (CCF, Exercise physiology)
2009	Staffing and creation of Wellness Center, West Palm Beach, Cleveland Clinic Florida
2010	Development of a Closed ICU Model in the Medical and Surgical ICU with 24 hours physician coverage (CCF)
2010	Development of the Cleveland Clinic Florida Internal Medicine Board Review Course
2012	Establishment of Physician Affiliation Committee (CCF) for community physician incorporation and practice acquisition.
2012	Establishment of the Cleveland Clinic Florida Walk-in Clinic (CCF)
2010	Creation of a new RRC approved Pulmonary and Critical Care Fellowship program

Professional Licensure

2009 – 2011	US Virgin Islands
2001 – Present	Florida
2000 – 2009	Virginia
1997 – 2009	District of Columbia
1997 – 2013	Sao Paulo, Brazil / Rio de Janeiro, Brazil

Board Certifications

2002	Critical Care Medicine
2000	Pulmonary Medicine
1997	Internal Medicine

Faculty and Academic Appointments

2009	FCCS Faculty, Clinical Assistant Professor
2010	Course Director, Internal Medicine Board Review, Cleveland Clinic Florida
2011	Florida Atlantic University Faculty, Clinical Assistant Professor
2011	St George University Faculty, Clinical Assistant Professor
2012	Florida International University Faculty, Clinical Assistant Professor

Special Interests and Expertise

- Interventional Pulmonology and diagnostic bronchoscopy
 - Airway stents, Pleuroscopy, Laser Bronchoscopy, Autofluorescence

Eduardo C. Oliveira, MD, MBA, FCCP

- Endobronchial Ultrasonography (EBUS) – close to 1700 cases performed
- Electromagnetic Navigation Bronchoscopy (ENB) – close to 200 cases performed
- Critical Care Medicine
- Lung Cancer
- Medical Thoracoscopy
- Bronchial Thermoplasty
- IBV Valve Placement

Honors and Awards

- 1991 Research Assistant, Department of Hematology, University of Rio de Janeiro
- 1992 Valedictorian of Medical Graduation**
- 1996 Outstanding Achievement Award, 92nd percentile In-service Exam
Washington Hospital Center Washington, DC
- 1997 Outstanding Achievement Award, Highest In-service Exam Score
Washington Hospital Center Washington, DC
- 1998 **Saul Zukerman MD Award, Humanitarianism and Excellence in Medicine Award, Washington Hospital Center Washington, DC**
- 2002 Fellow of the American College of Chest Physicians
- 2002 Physician of the Month, Cost/Quality, Cleveland Clinic Florida, Weston, Florida
- 2003 **Physician of the Year Award, Cleveland Clinic Florida, Weston, Florida**
- 2005 Innovator Award
- Disposable Add-on Endoscopic channel
 - Disposable Add-on Endoscopic Sheet Channel
- 2005 Americas Top Physicians, Pulmonary and Critical Care
Consumer Research Council of America, 2005 Edition
- 2006 Americas Top Physicians, Pulmonary and Critical Care
Consumer Research Council of America, 2006 Edition
- 2007 Americas Top Physicians, Pulmonary and Critical Care
Consumer Research Council of America, 2007 Edition
- 2008 Top Doctor, Pulmonary and Critical Care, Boca Life magazine
- 2009 Castle Connolly, Americas Top Doctors, Pulmonary and Critical Care
South Florida
- 2009 Top Doctors, Pulmonary and Critical Care, Gold Coast Magazine
- 2009 Patients Choice Award, Pulmonary and Critical Care, American Registry
- 2010 Castle Connolly, Americas Top Doctors, Pulmonary and Critical Care
South Florida
- 2010 **Clinician of the Year, Cleveland Clinic Florida**
- 2011 Castle Connolly, Americas Top Doctors, Pulmonary and Critical Care
- 2012 Castle Connolly, Americas Top Doctors, Pulmonary and Critical Care

Eduardo C. Oliveira, MD, MBA, FCCP

Society Memberships

1994	American Medical Association
1998	American Thoracic Society
1998	American College of Chest Physicians
2001	American College of Physicians
2001	Society of Critical Care Medicine
2001	European Respiratory Society
2002	American Association of Bronchology
2002	World Association for Bronchology
2007	Broward Medical Society
2008	Florida Medical Society
2008	Florida Thoracic Society
2016	Society of Thoracic Surgery

Interventional Pulmonology Animal Lab Courses and Special Training

December 2005	Management of Pleural Diseases Including Medical Thoracoscopy Harvard Medical School, Boston, Massachusetts
March 2007	Thoracic Ultrasound Lahey Clinic, Burlington, Massachusetts
March 2007	Interventional Pulmonology: Therapeutic Brochoscopy, Medical Thoracoscopy, Percutaneous Tracheostomy Lahey Clinic, Burlington, Massachusetts
April 2007	Ultrasound in the Intensive Care Unit Society of Critical Care Medicine, Orlando, Florida
2010	IBV Valve placement Training
2010	Bronchial Thermoplasty. Boston Scientific

Outside Consulting

2012	Boston Scientific
2013	Covidien

Hospital Privileges

2001 – Present	Cleveland Clinic Hospital, Weston, Florida
2009 – Present	Schneider Regional Medical Center, St Thomas, USVI

Certified Procedures and Clinical Competencies

- Diagnostic and Therapeutic Bronchoscopy
- Endobronchial Ultrasonography (EBUS)
- Laser Bronchoscopy
- Electrocautery Bronchoscopy
- Airway Stent Placement

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- Pleuroscopy
- Chest Tube placement/PleurX Catheter Placement
- Ultrasound Guided Thoracentesis
- Ultrasound Guided Central Access Placement
- Autofluorescence Bronchoscopy
- Bronchial Thermoplasty
- IBV Valve
- FCCS Certified Faculty ACLS

Languages

- English
- Portuguese
- Spanish

Invited Speaker and Meeting Participation

Pulmonary Medicine Update, open forum case presentation, Moderator afternoon session Cleveland Clinic Foundation, October 20th, 2004

Pulmonary Medicine Update, open Forum Case presentation, Moderator morning and afternoon session Cleveland Clinic Foundation, October 21st, 2004

Pulmonary Medicine Update, Speaker, New Therapies for COPD and Asthma, Cleveland Clinic Foundation, October 23rd, 2004

II Actualizacion Medica, Advances in Pulmonary Medicine and Infectious Diseases, Presenter, Obstructive Sleep Apnea, Costa Rica, August 7th, 2006

II Actualizacion Medica, Advances in Pulmonary Medicine and Infectious Diseases, Presenter, Evaluation of Lung Nodule with and without Mediastinal Adenopathy, Costa Rica, August 7th, 2006

Interventional Pulmonology Update Lecture, Internal Medicine International Mini-symposium, Cleveland Clinic Florida, March 2006

International Medicine Update, Postoperative ICU Care of the Cardiac Patient, Cleveland Clinic Florida, March 2006

Saint Thomas VI Update in COPD and Asthma, Virgin Island Medical Symposium 2005

Saint Thomas VI, Interventional Pulmonology Update, Virgin Island Medical Symposium 2006

Grand Rounds, Interventional Pulmonology Update, Cleveland Clinic Florida, November 2006

Eduardo C. Oliveira, MD, MBA, FCCP

Cardiovascular and Pulmonary Disease Symposium update, Endoscopic Ultrasound in the Diagnosis and Staging of Lung Cancer, Cleveland Clinic Florida

Challenges in Pulmonary and Critical Care, Symposium Lecture, Endobronchial Ultrasomography, Cleveland Clinic Florida, 2007

Challenges in Pulmonary and Critical Care, Symposium Lecture, Medical Legal Issues, Cleveland Clinic Florida, 2008

Sepsis and Septic Shock Update, Lecture, Conferencia Medica Annual the Guayaquil, Ecuador, September 2009

Interventional Pulmonary update, Cleveland Clinic Florida, November 2009

Sepsis and Septic Shock Update, Congreso Intenacional de Medicina y Especialidades, Guayaquil, Ecuador, October 23rd, 2009

Interventional Pulmonology update, Challenges in Pulmonary and Critical Care 3rd year, December 5th, 2009

Acid Based Disorders, 2nd Annual Internal Medicine Board Review, Ft Lauderdale Florida, May 26th, 2010

Pulmonary Neoplasms, Pulmonary Embolism, 2nd Annual Internal Medicine Board Review, Ft Lauderdale Florida, May 27th, 2010

Interventional Bronchoscopy update, Valves for Emphysema and Treatments of Asthma Challenges in Pulmonary and Critical Care 4th year, December 4th, 2010

Live Lecture on: “Bronchial Thermoplasty: New Procedure for Severe Asthma”, International Medical Congress in the Cayman Islands, October 2011

Asthma Awareness/Bronchial Thermoplasty Community Lecture, Weston Florida, May 3rd, 2012

Pulmonary Neoplasms, Pulmonary Embolism, PFT's, 3rd Annual Internal Medicine Board Review, Weston Florida, June 10th, 2012

Acid Based Disorders, 3rd Annual Internal Medicine Board Review, Weston Florida, June 12th, 2012

Electromagnetic Navigation Bronchoscopy and Bronchial Thermoplasty: Two Techniques That Are Revolutionizing Bronchoscopy, NACE: Challenges in Pulmonary & Critical Care: 2012 Conference, Weston Florida, December 1st, 2012

Eduardo C. Oliveira, MD, MBA, FCCP

Advances in Interventional Pulmonology. NACE: Challenges in Pulmonary & Critical Care: 2012 Conference, Weston Florida, December 6, 2013

Pulmonary Neoplasms, Pulmonary Embolism, 2nd Annual Internal Medicine Board Review, Ft Lauderdale Florida, June 6th, 2013 (Activity Director)

Abstracts Presented

Oliveira E, MD, Smith M, MD, Levy C, MD, Line Sepsis due to *Mycobacterium fortuitum*, Regional ACP Meeting, 1997

Oliveira E, MD, Middle Aged man with Acute Hemoptysis, Abstract and case presentation, Thoracic Society, District of Columbia, Sept 9th, 1998

Oliveira E, MD, Khouri S, MD, Arabian A, MD, Intrathoracic Rib, Chest 1999

Oliveira E, MD, Marik P, MD, Colice G, MD, Influenza-Associated Pneumonia, Chest 2000

Olexo S MD, **Oliveira E MD**, Rohatgi P MD, Long-term Oxygen in COPD, Chest 2002

Rahaghi F, M.D., M.H.S., Ortega I, M.D., Schragger D, RT, Schott T, RT, **Oliveira E, MD**, Smolley L, M.D., Stoller JK, M.D., M.S, The Impact of Including a Physician Alert Accompanying Pulmonary Function (PFT) Results on Testing for and Detection of Alpha-1 Antitrypsin Deficiency; Chest 2008, Chest Supplement, October 2008: 245

Smolley SA, Smolley LA, Saldin KR, **Oliveira EC**, Rahaghi FF, Satisfaction and Compliance with CPAP, Split-Night VS Two Night Protocol, AASM, 2007

Rahaghi F, MD, MHS, Zamudio J, MD, MBA, Ortega I, MD, **Oliveira E, MD**, Ramirez J, MD, Smolley L, MD, Number of COPD Patients Needed to Test to Find an Alpha-1 Antitrypsin Deficient Patient at 95% Certainty, Cleveland Clinic Florida, Weston/Fort Lauderdale, Florida, United States and Alpha-1 Foundation, Miami, Florida, United States, ATS 2008, AJRCC Supplement

Navas V, MD, Rahaghi N, PhD, Ramirez J, MD, Smolley L, MD, **Oliveira E, MD**, Areces M, MD, Scridon C, MD, Fromkin K, MD, Novaro G, MD, Rahaghi F, MD, MHS, Role of BNP in Identifying Elevated Pulmonary Wedge Pressure in Patients with Pulmonary Hypertension, Cleveland Clinic Florida, Weston/ Fort Lauderdale, Florida, United States and University of California, San Diego, CA, United States, ATS 2008, AJRCC supplement

Eduardo C. Oliveira, MD, MBA, FCCP

Lior S, D.O. M.P.H, Rahaghi N, PhD, Ramirez J, MD, **Oliveira E, MD**, Smolley L, MD, Rahaghi F, M.D., M.H.S., Lack of documented consideration of activated drotrecogin alfa infusion in septic patients, AJRCC supplement 2008

H Zaitoun, N Araguez, J Ramirez, L Smolley, **E C Oliveira**, F F Rahaghi, Effect of Having Alpha-1 Antitrypsin Testing in Physicians' Laboratory Workup Lists in Early Detection of Alpha 1-Antitrypsin Deficiency Veronica L Chastain MD, Florida USA, Chest 2009, supplement

Oliveira E, M.D., Evidence Based Mortality and Clinical Features of Intubation Induced Tracheal Laceration with proposed treatment algorithm, Critical Care Medicine, January 2010

A. H. Warda, H. Zaitoun, N. Araguez, G. Ferrer, J. Ramirez, **E. Oliveira**, L. Smolley, F. F. Rahaghi, Testing For Alpha-1 Antitrypsin Deficiency By Respiratory Therapists In The Pulmonary Education And Rehabilitation Department, Am J Respir Critical Care Medicine, 181;2010:A4371

Shared Medical Appointment In Pulmonary Hypertension, V. L. Chastain, L. Smolley, **E. Oliveira**, J. Ramirez, G. Ferrer, F. F. Rahaghi. Am J Respir Critical Care Medicine, 181; 2010:A4840

RPH, Alvarez M, Ferrer G, Cardona L, L Smolley, Fast Growers vs Slow Growers: Who Is at Risk for an Atypical Microbacterial Infection?, Chest 2010

S Smolley, J Reddi, J Ramirez, **E Oliveira**, G Ferrer, F Rahaghi, Early Predictors of CPAP Compliance in Patients With Obstructive Sleep Apnea (OSA), Vancouver, Chest 2010

Oliveira E, Fiberoptic Bronchoscopy for Routine Intubation in the ICU: Review of Safety, Complications and Usefulness as a Diagnostic Adjunct, Vancouver, Chest 2010

F. Rahaghi, MD, MHS, V. Chastain, MD, R. Benavides, LPN, **E. Oliveira**, MD, J. Ramirez, MD, G. Ferrer, MD and, L. Smolley, MD, Shared Medical Appointment/Group Visits in Pulmonary Hypertension, Poster Abstract presented September 2009/June 2011

Tofts RPH, Hernandez M, Velasco R, Sabzghabaei N, Dixon C, Baosman K, Khullar A, Sheshadri N, Bhimani N, Sahai T, Wardak M, Patel H, Babary H, Rahaghi F, Ramirez J, Ferrer G, **Oliveira E**, Smolley L and Hadeh A, Algorithm based CPAP titration formulas: a comparison and review, Poster Abstract presented, Cleveland Clinic Florida Weston Fl, Research Week May 14th, 2012

M Gomez, J Zaravinos, D Canchi, J Mehta, L Smolley, **E Oliveira**, G Ferrer-Gonzalez, F Rahaghi, The Impact of Alpha-1 Antitrypsin Deficiency on Acquiring Life Insurance, Poster Abstract presented, Cleveland Clinic Florida Research Week May 14th, 2012

Eduardo C. Oliveira, MD, MBA, FCCP

Ryu P. Tofts, Felix Hernandez, Marlow Hernandez, Amitesh Agarwall, Michael Alvarez, Payam Nabizadeh, Nhai Phen, Freyer Abhil, Charlene Negron, Anas Hadeh, Laurence Smolley, Franck Rahaghi, Gustavo Ferrer, Jose Ramirez, and **Eduardo Oliveira**, Case control review of intubation with the flexible fiberoptic bronchoscope in the ICU: Safety complications and usefulness as diagnostic adjunct, Poster Abstract presented, Chest 2012, Atlanta, GA October 24th, 2012

Spontaneous Adrenal Hemorrhage: A Rare Presentation of Lung Cancer *Faria Nasim, MD; Anas Hadeh, MD; Laurence Smolley, MD; Eduardo Oliveira, MD* : Chest. 2013;144(4_MeetingAbstracts):607A-607A. doi: 10.1378/chest.1703017

Safety Of Tadalafil In Pulmonary Hypertension Patients With Elevated Pulmonary Capillary Wedge Pressure: Amitesh Agarwal , MD ¹ , Ravindra Ramakrisna , MD ² , Rosana Benavides , LPN ² , Gustavo Ferrer , MD ² , Jose Ramirez , MD ² , Anas Hadeh , MD ² , Eduardo Oliviera , MD ² , Laurence Smolley , MD ² , Jinesh Mehta , MD ² , Franck F. Rahaghi , MD, MHS ² , ATS 2013

Effort Dependence Of Change In 6 Min Walk Test In Pulmonary Hypertension Was Improved By Correction With The Change In Heart Rate: The Beat -Yield
Anjan Kumar , MD ¹ , Marlow Hernandez , DO, MPH ² , Soheila Talebi , MD ² , Roya Memarpour , MD ² , Rosanna Benavides , LPN ² , Anas Hadeh , MD ² , Laurence A. Smolley , MD ² , Nydia Martinez , MD ² , Gustavo Ferrer , MD ² , Eduardo Oliveira , MD ² , Jose Ramirez , MD ² , Sam Faradyan , MD ² , Jinesh Mehta , MD ² , Franck F. Rahaghi , MD, MHS ² . ATS 2013

Original Publications

Holt KA, MD, **Oliveira E, MD**; Rohatgi PK, MD, Hepatic Hydrothorax demonstration by Tc-99m sulfur colloid ascites scan, Clinical Nuclear Medicine, 24(8):609, August 1999

Oliveira E, MD, Marik P, MD, Colice G, MD, Influenza-Associated Pneumonia, Chest August 2002, supplement, Chest #1275

Oliveira E, Marik P, Colice G, Influenza in the Intensive Care Unit, Intensive Care Medicine, March/April 2003, Vol. 18, 2; 80-91

Oliveira E, Mitchel A, Smolley L, The Pulmonary Consultation in the Preoperative Management of Patients with Neurologic Diseases, Neurol Clin N Am 22 (2004) 277-291

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Smolley SA, Smolley LA, Saldin KR, **Oliveira EC**, Rahaghi FF, Satisfaction and Compliance with CPAP: Split-Night VS Two Night Protocol, Sleep, Volume 29, Abstract supplement 2006

Kabirdas D, Afonso B, Avella H, Kanwar A, Berho M, **Oliveira E**, An Elderly Woman with Asthma, Eosinophilia and Septic Shock, Cleveland Clinic Journal of Medicine, IM Board Review Article, December 2007, 74:877-886

Rahaghi F, Ortega I, Rahaghi N, **Oliveira E**, Ramirez J, Smolley L, Stoller JK, Physician alert suggesting alpha-1 antitrypsin deficiency testing in pulmonary function test (PFT) results COPD, February 2009, 6(1):26-30

J Rivas, MD, Y Reyna, MD, F Rahaghi, MD, L Smolley, MD, J Ramirez, MD, **E Oliveira, MD**, Prolonged ICU Stay Increases the Risk of Cumulative Radiation Exposure in Mechanically Ventilated Patients, Society of Critical Care Medicine #1517, December 2009, supplement, Submitted for final Publication

E Oliveira, G Ferrer, R Najeemudin, F Rahaghi, J Serrano, J Ramirez, L Smolley Evidence based mortality and clinical features of intubation induced tracheal laceration with proposed treatment algorithm, abstract #1277, Critical Care Medicine, December 2009, supplement

Oliveira E, Ferrer G, Tofts R, How should one investigate a chronic cough?, Cleveland Clinic Journal of Medicine, February 2011, 78:84-89

Carcano, C., **Oliveira, E.**, Martinez, F., Kirsch, J., Endobronchial carcinoid tumor in a Crohn Disease patient treated with a TNFa inhibitor, Translational Lung Cancer Research, Vol 2, No 1, February 2013

Current Research

IRB 8552: Efficacy and Safety of Drotrecogin Alfa (Activated) in Adult Patients with Early Stage Severe Sepsis, Protocol F1K-MC-EVCL (Eli Lilly and Company), Finished

IRB approved: Eidelman F, **Oliveira E**, A Randomized, Blinded, Multicenter, Parallel Study Comparing the Efficacy and Safety of Pulmicort Respules (budesonide inhalation suspension) in adults with moderate to severe asthma

Oliveira E, Smolley L, Fiberoptic Intubation versus Rapid Sequence Intubation in the ICU, (preparing protocol for IRB presentation)

IRB approval pending: ConvaTec, a Bristol-Myers Squibb Company, (PROOF)
“Prospective Real-World Observational Outcomes of Flexi-Seal[®] FMS” Protocol Number CVT-0828

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IRB 8662: A Phase 3, Multicenter, Randomized, Placebo-Controlled, Double-Blind, Three-Arm Study to Evaluate the Safety and Efficacy of Tifacogin (Recombinant Tissue Factor Pathway Inhibitor) Administration in Subjects with Severe Community-Acquired Pneumonia

IRB 8755: Correlation of CXR and CT in ICU Patients in Detecting Pleural Effusion Presence and Size (Chart review)

IRB 8916: Targeted Detection of Alpha-1 Antitrypsin Deficiency in Patients Referred for Pulmonary Function Testing (Alpha-1/PFT Study)

Development of an evidence based Xigris/ Sepsis Protocol combined with evaluation of Efficacy of Its use in the ICU setting (Ely, pre-submission)

Effectiveness in treatment at a Post-Hospitalization Smoking Cessation Clinic (Pfizer) (exploration of interest)

Effectiveness of Goal Oriented Therapy in Treatment of Pulmonary Hypertension Patients; COMPAS III Trial (Site Visit Completed, we are selected) (Actelion)

Effectiveness in use of Letairis in PHT after Valve replacement, (Pre-submission of proposal) (Gilead Science)

Effectiveness of Brovana (afometerol) in patients failing Advair in COPD (Pre-submission of proposal) (Sepracor)

IRB 8750: OSA CPAP Compliance (Database)

IRB 8755: Correlation of CXR and CT in ICU Patients in Detecting Pleural Effusion Presence and Size (Chart review)

IRB 8764: Strategy to increase Alpha One Antitrypsin deficiency testing (Chart review)

IRB 8765: Accelerated Decompensation in Young Patients (Chart review)

IRB 8870: The Efficacy of Brain Natriuretic Peptide in Differentiating Pulmonary HTN Secondary to Left Heart Disease From Other Causes of Pulmonary Hypertension (Chart review)

IRB 8916: Targeted Detection of Alpha-1 Antitrypsin Deficiency in Patients Referred for Pulmonary Function Testing (Alpha-1/PFT Study)

IRB 8934: An Open-label, Multi-Center Study Employing a Targeted 6-MWT Distance Threshold Approach to Guide Bosentan-Based Therapy and to Assess the Utility of MRI on Cardiac Remodeling

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IRB 8946: Role of CT angiography in identifying cardiac versus non-cardiac etiology of pulmonary hypertension - Ratio of Pulmonary artery to Pulmonary vein diameter (Chart review)

IRB 8956: Accelerated Hemodynamic Decompensation of Young Patients Prior to Death in the Intensive Care Unit (Chart review)

IRB 9018: Radiation exposure in the ICU (Registry)

FLA 12-156: Medical Record: Bronchial thermoplasty in patients with FEV1 < 65%
12/25/2013

FLA 13-004: Oliveira, Eduardo, Veracyte Inc.
Bronchial Sample Collection for a Novel Genomic Test: ACTIVE 3/21/2015

FLA 13-087: Oliveira, Eduardo, Veracyte, Inc.
Bronchial Sample Collection for a Novel Genomic Test – 2 10/10/2014

H060002: Oliveira, Eduardo, Spiration
IBV Valve System: Humanitarian Device for use in Control of Air Leaks (HDE)
ACTIVE 10/3/2014

08-498: NIH Long Term Oxygen Treatment trial, Active 07/24/14

Media Appearances and Televised Interviews

Electromagnetic Navigation Bronchoscopy in the diagnosis of Lung Lesions and Lung Cancer, NBC 6 Medical Mondays Interview, February 28th, 2012

Bronchial Thermoplasty, WPLG Interview, July 26th, 2012

Electromagnetic Navigation Bronchoscopy, WPLG Channel 10 Interview, August 2nd, 2012

Bronchial Thermoplasty, The Miami Herald Interview, September 6th, 2012

Lung Cancer Detection Using Low-Dose CT Scans, CNN Espanol Interview, October 2nd, 2012

Recent Print Media and Interviews

SunSentinel

http://articles.sun-sentinel.com/2012-06-01/health/fl-wg-ccfcol-0602-20120601_1_entire-lung-cancer-cells-cancerous-part

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Journal of the Cayman Islands

<http://www.compasscayman.com/journal/2013/11/06/Early-detection-and-innovative-technology/>

Castle Connolly

<https://www.castleconnolly.com/doctors/full.cfm?source=ccm&doctorID=16CC002764-442-758>

Palm Beach Today

http://issuu.com/palmbeachtodayinternational/docs/april_3_2013

Weston Magazine

<http://titlestand.com/ebook/ebook?id=10054432&ts=1>

Innovations

Innovator Award (Cleveland Clinic Innovations department) for Development of Bronchoscopic sheet adding and additional working channel for a bronchoscope

- Disposable Add-on Endoscopic channel
- Disposable Add-on Endoscopic Sheet Channel
- Collapsible ET tube for EBUS guided biopsy, Patent pending

Other Interests

- Running
- Soccer
- Golf
- Classic and Gospel Music

References

Bernardo Fernandez, MD, MBA
CEO, Baptist South Florida Medical Group
Cell: 954-557-3904
Email: Bernie@baptisthealth.net

Dr Franck Rahaghi, MD, MPH
Director of Quality
Cleveland Clinic Florida
Cell: 954-290-2276
Email: rahaghf@ccf.org

Dr Jose Muniz, MD
Program Director Internal Medicine Program
Cleveland Clinic Florida
954-495-7740
Email: munizj@ccf.org

Jeffrey J. Mesaros, PharmD, JD, M.S.Pharm

6080 Fender Ct, Orlando, FL 32837 (727) 415-8178 jjmesaros@yahoo.com

BOARD OF PHARMACY:

Florida Board of Pharmacy

Pharmacist Member, 2011 to Present

- Chair - 2014
- Chair of the Rules Committee – 2013 to Present
- Controlled Substance Standards Committee - 2015 to Present
- NABP Task Force on the Regulation of Pharmacy Benefit Managers - 2013
- NABP District 3 Representative on the Committee on Resolutions - 2015, 2016
- NABP District 3 and Annual Meeting Representative – 2012, 2013, 2014
- MALTAGON – FL Representative – 2012, 2013, 2014

EDUCATION:

University of Florida College of Pharmacy, Gainesville, FL

Master of Science in Pharmacy, Pharmacy Regulation and Policy, 2009

University of Miami School of Law, Coral Gables, FL

Juris Doctor, 2006

Wilkes University – Nesbitt School of Pharmacy, Wilkes-Barre, PA

Doctor of Pharmacy, 2001

EXPERIENCE:

CVS Health

Senior Legal Counsel – Pharmacy Practice, 2013 to Present

- Pharmacy Practice regulatory counsel for mail order and specialty pharmacy responsible for legal and regulatory issues relating to pharmacy professional practice, mail order pharmacy operations, state and federal pharmacy laws and regulations, and pharmacy policies and procedures
- Advise internal business partners on Board of Pharmacy, DEA, health care regulatory and pharmacy practice issues concerning mail order and specialty pharmacies
- Develop regulatory strategy to support pharmacy practice matters, controlled substance issues, inquiries and requests, as well as, review applicable statutes and regulations, draft and/or review legislation and regulations, and monitor ongoing programs and operations for pharmacy practice standards and regulatory compliance
- Partner with and support multi-state government affairs program on initiatives for pharmacy practice
- Draft pharmacy practice standards of practice, contracts, responses to governmental inquiries and investigations and state board of pharmacy communications

DaVita Rx., Orlando, FL

Assistant General Counsel, 2012 to 2013

- Regulatory counsel for diverse aspects of the mail order pharmacy, pharmacy practice and clinical practice areas
- Responsible for legal and regulatory issues relating to the pharmacy professional practice, pharmacy operations, state and federal pharmacy laws and regulations, and pharmacy cold chain and temperature sensitive delivery
- Counseled company on a daily basis regarding Marketing, Account Management, Pharmacy, Quality Improvement, Operations, Compliance/Ethics, Medical Affairs and Professional Practice
- Developed and supported a multi-state regulatory affairs program
- Oversaw and reviewed internal ethics, compliance and diversion investigations

- Drafted pharmacy practice procedures and policies, internship/affiliation agreements, contracts, responses to governmental inquiries and investigations and state board of pharmacy communications

Express Scripts - Medco Health Solutions, Inc., Franklin Lakes, NJ

Pharmacy Regulatory Counsel, 2008 to 2012

- Regulatory counsel for diverse aspects of the pharmacy and pharmacy benefit management business
- Responsible for legal and regulatory issues relating to the pharmacy professional practice, pharmacy operations, state and federal pharmacy laws and regulations, wholesale laws, regulations and agreements, pharmacy cold chain and temperature sensitive delivery and multi-state regulatory affairs
- Counseled company on a daily basis regarding Marketing, Account Management, Pharmacy Operations, Compliance/Ethics, Quality, Therapeutic Resource Centers, Wholesale, Medical Affairs and Professional Practice, internal ethics, compliance and diversion investigations, VAWD, VIPPS and Joint Commission and Competitive Bidding counsel, development and implementation, participation on cross-functional and interdisciplinary teams, defining company-wide strategy and objectives, policy development; personnel training and education, negotiations,
- Reviewed marketing and sales materials and conducted regulatory review and comment drafting
- Drafted internship/affiliation agreements, contracts, responses to governmental inquiries and investigations and state board of pharmacy communications

Senior Manager, Regulatory Compliance Assessment Group, 2008 to 2009

- Evaluated the regulatory compliance, controls and oversight of Medco and its subsidiaries at the pharmacy level
- Responsible for the in-depth assessment of compliance with state and federal pharmacy and nursing rules and regulations; evaluation of pharmacy practices against established risk patterns developed in coordination with groups that include senior management, professional practice, legal and the management and staff of the pharmacy being assessed; education and training of group members and pharmacy personnel to identify infrastructure controls to ensure that risks are appropriately identified and managed; interface with state boards of pharmacy and nursing and other applicable state and federal agencies; assessment of continuous quality assurance programs and pharmacy accreditation

Kmart Pharmacy, Largo, FL

Pharmacist, 2007 – 2008

- Responsible for consultation with physicians and nurses regarding healthcare regimens to improve patient therapeutic outcomes; communication of pharmaceutical information to patients and counseling those patients on health-related concerns; analysis of prescription information and medical profiles to ensure appropriate use of medication, vitamins and supplements; inventory management

e-PharmPro, Inc., Harrisburg, PA/Largo, FL

Pharmacy Operations Coordinator, 2005-2007

- Founding account manager for the Pennsylvania and Florida regions providing remote pharmacy solutions to hospital pharmacies regarding the following matters: developing start up infrastructure for day to day operations, administration, policies procedures and staff training and competency modules
- Acted as liaison among hospital pharmacy directors, administrators, information technology and support specialists, pharmacists and members of e-PharmPro management
- Planned and organized client services; hospital-pharmacy onsite and remote start-up; workforce training and education; development and management of competency and compliance initiatives; monitoring of continuous quality assurance and client satisfaction

Agency for Health Care Administration, St. Petersburg, FL

Legal Intern, 2006

- Researched and drafted pleadings, legal memoranda and discovery requests, including administrative complaints, requests for admissions, interrogatories, requests for production and administrative orders in areas including administrative law, admissibility of evidence, hospital and nursing home regulations and health care law

Walgreens Pharmacy, Miami/St. Petersburg, FL

Immunizing Pharmacist, –2004 – 2005, 2009

- Consulted with physicians and nurses regarding healthcare regimens to improve patient therapeutic outcomes
- Counseled patients on health-related concerns, analysis of prescription information and medical profiles to ensure appropriate use of medication, vitamins and supplements

Cigna Tel-drug, Horsham, PA

Pharmacist – Home Delivery Pharmacy, 2002-2003

- Verified prescription information and reviewed patient medication history for appropriate drug therapy
- Responsible for specialized narcotic medication review and dispensing, productivity and computer system development and supervisor problem solving groups

Merck-Medco Rx Services, Mechanicsburg, PA

Pharmacist- Mail Service Pharmacy, 2001–2002

- Responsible for clinical review of patient profiles and medication histories for dispensing of medications, professional review of questionable prescriptions for team and individual doctor call sessions, compounding and research and review of literature for unavailable and discontinued medications

TEACHING EXPERIENCE:

University of Florida College of Pharmacy, Lake Nona, FL

Adjunct Faculty - Pharmacy Law, 2014 - Present

University of Hawaii at Hilo – The Daniel K. Inouye College of Pharmacy, Hilo, HI

Adjunct Faculty – Pharmacy Law, 2013

PROFESSIONAL PRESENTATIONS:

ASPL 2015, Miami, FL

Speaker - Current Controlled Substance Climate and Working Together to Mitigate Prescription Drug Abuse

DIA 2015 51st Annual Meeting, Washington, DC

Speaker - The Impact of the eLabeling Rule on Industry and Stakeholders

2015 APhA Annual Meeting, San Diego, CA

Speaker - How to Keep Your License in Good Standing - Trends in Board of Pharmacy Disciplinary Actions

2nd Annual Pharmacy Benefit Oversight & Compliance Conference, Chicago, IL, 2013

Speaker - Key Legal Considerations for Mail-Order Pharmacy Operations

NABP 2013 Annual Meeting, St. Louis, MO

*Speaker - Pill Mills, Non-Therapeutic Drug Use,
and Prescription Drug Monitoring:
What to Look for During Investigations*

IQPC Cold Chain & Temperature Management Global Forum 2012

Presenter – Wholesaler/Manufacturer Partnerships: Improving Communication to Benefit the Customer

Opal's 3rd Annual Pharmaceutical and Medical Packaging Summit 2012

*Summit Chair - Innovations in Pharmaceuticals: Supply Chain and Packaging
Presenter - Temperature Monitoring Devices and Your Package*

PROFESSIONAL MEMBERSHIPS, LICENSES & BAR ADMISSION:

License: Pharmacist Licensure (Florida, Pennsylvania and Texas)

Bar: State of Florida, 2006; New Jersey – In-house counsel, 2008

Memberships: American Bar Association; Association of Corporate Counsel; American Society for Pharmacy Law; American Pharmacists Association; National Associations of Boards of Pharmacy