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JOSE E SILVA MD, MPH

PROFESSIONAL EXPERIENCE/EDUCATION

2018 - Present	Urology Faculty <i>Adventhealth Medical Group</i> Central Florida
2016- 2018	Electronic Medical Record Board Advisor <i>Ashford Presbyterian Community Hospital</i>
2015-2018	Urology Advisor <i>Medical Card System (Medicare Advantage Program)</i> San Juan Puerto Rico
2014- 2018	Urology Faculty <i>Ashford Presbyterian Community Hospital</i> San Juan Puerto Rico
2014-2018	Urology Faculty <i>Hospital Auxilio Mutuo de Puerto Rico</i> San Juan Puerto Rico
2015-2018	Urology Attending Municipal Hospital of San Juan San Juan Puerto Rico
2013-2014	Urology Chief Resident <i>University of Puerto Rico</i> San Juan, Puerto Rico
2010-2014	Urology Resident <i>Veteran Hospital Affair</i> San Juan, Puerto Rico
2010-2013	Urology Resident <i>University of Puerto Rico</i> San Juan, Puerto Rico
2008-2010	General Surgery Resident <i>University of Puerto Rico</i> <i>Rio Piedras, Puerto Rico</i>
2007-2008	Internal Medicine Resident

Hospital Ramon Ruiz Arnau
Bayamon, Puerto Rico

2002-2007	UNIVERSIDAD CENTRAL DEL CARIBE, SCHOOL OF MEDICINE <i>Bayamon, Puerto Rico</i> Medical Degree in June 2007.
2001-2002	UNIVERSITY OF PUERTO RICO, SCHOOL OF PUBLIC HEALTH Masters Degree in Public Health concentration in Biostatistics Rio Piedras, Puerto Rico
1997-2001	MASSACHUSETTS INSTITUTE OF TECHNOLOGY <i>Cambridge, Massachusetts</i> Bachelor of Science, Major in Biology, Minor in Biomedical Engineering, Concentration in Economics.
Summer 1996	HARVARD UNIVERSITY SUMMER PROGRAM
Summer 1995, 1994	PHILLIPS EXETER ACADEMY SUMMER PROGRAM

ACADEMIC HONORS/ RECOGNITIONS/ CERTIFICATION

2014	American Urology Association Candidate Member
2014	Sexual Medicine of North America Member
2014	Puerto Rico Urology Association Candidate Member
2012	Robotic Surgery Southeastern Section of the American Urology Association, award participation with Dr. Vipul Patel.
2013	Implatable Penile Prosthesis with Dr. Rafael Carrion School of Medicine San Juan, Puerto Rico
2013	Sacral Neuromodulation Training Completion Endourologic Institute P.R.
2002-2003	Council of Higher Education, Legislative Scholarship (2002)
2001-2002	Carl P. and Marie G. Dennett Memorial Scholarship Fund at MIT
1999-2000	Outstanding Community Service Award Office of Minority Education at MIT
1999-2000	Creativity and Originality Award Office of Minority Education

LICENSURE

2016	American Board of Urology – Board Certified
2014	USMLE STEP 3- Approved
2008	USMLE STEP 2(CK)- Approved
2006	USMLE STEP 2(CS)- Approved
2005	USMLE STEP 1- Approved

RESEARCH EXPERIENCE

2010-2014	Urology Section, Surgery Department University of Puerto Rico
2004-2006	Department of Neuroscience, Universidad Central del Caribe Pharmacokinetics lab. Primary student researcher on the Pharmacokinetics lab. Analysis of pharmacokinetics properties of cembranoids which are antagonists of nicotinic receptors in the brain.
2003	National Institute for Neurological Disease and Stroke, National Institute of Health Internship program for Medical Students. Conducted clinical research in epilepsy, participated in ground rounds with clinical doctors, and played an active role in the neurology clinics. Research consisted on both analysis and comparison of brain activity under diverse stimuli in children and adults using FDG-Pet as well as f-MRI.
2002	University of Puerto Rico: Tumor Biology Lab Expression of p14, p16, RB, and p53 tumor suppressor genes in Squamous Cell Carcinoma. Research on different gene expression on this type of cancer in the Puerto Rican population. Also, statistical analysis between Puerto Rican and Caucasian was performed with known medical data. Moreover, served as both tutor and mentor to undergraduate student working at the laboratory with interest in medical
2000-2001	Volunteer Research with Dr. Herman Suit (MD Department of Radiation Oncology at Massachusetts General Hospital): Analysis of growth inhibition in mice's tibia bone after exposing them to different doses of radiation. Mice were irradiated when 5 days old. Mice were studied at 5 days old and 12 weeks old. Measurements were performed using Scion Image. Left and right legs were compared in the same mice, and also 12 weeks mice were compared to 5 days old mice. I established protocol for measuring mice using computer software. Volunteer Research with Dr. George Chen (PhD Department of Radiation Oncology at MGH): Analysis of organ motion in cancer patients while being treated. Video of the motion was taken while patients were in the simulation machine. Video clips were separated by frame, for individual analysis. Using Scion Image, movement of organs was tracked and plots were made. By analyzing the motion of the cancer of a patient, one can give a more accurate and effective radiation dose.

POSTER PRESENTATION

May 2014	American Urology Association Convention 2014 Smoking Associated with higher risk of pathologic upgrading in Hispanic men with low risk prostate cancer who undergo surgery: implications for brachytherapy and active surveillance Silva JE, Serrano J, Lopez H, Cadillo R, Sanchez-Ortiz R.
May 2014	American Urology Association Convention 2014 Selective Renal Artery Embolization in renal trauma: The Puerto Rico Trauma Center Experience Silva JE, Acosta A, Perez-Brayfield M, Joglar-Irizarry F
March 2014	Smoking Associated with higher risk of pathologic upgrading in Hispanic men with low risk prostate cancer who undergo surgery: implications for brachytherapy and active surveillance Silva JE, Serrano J, Lopez H, Cadillo R, Sanchez-Ortiz R.
March, 2005	Pharmacokinetics of Nicotinic Antagonists from Tobacco <u>Silva JE</u> , Romero MA ² , Rosado MV, Olivero M, Melendez O, Quinones E, Velez W, Rodriguez AD, Ferchmin PA, Eterovic VA
November 2004	Tissue distribution of Tobacco Cyclic Diterpenoids in Male Sprague-Dawley Rats <u>Silva JE</u> , Melendez O, Olivero M, Rosado MV, Romero MA, Quiñones E, Rodriguez AD, Velez W, Ferchmin PA, Eterovi□ VA.
Summer 2003	FDG-PET Imaging in Brain Metabolism in Childhood Epilepsy <u>Silva JE</u> , Gaillard WD, Theodore WH, Fazilat S, Reeves-Tyer P
May 2001	Quantifying Abdominal Tumor Clip Motion During Respiration GTY Chen, SB Jiang, K Doppke, D Gierga, M Sheeran, JE Silva, CG Willett

VOLUNTEER WORK/ COMMUNITY SERVICE

- Vieques Community Health Clinics, Vieques, PR
Organized by AMAR (Asociacion de Medicos al Rescate). History taking, physical examination and management of both adult and pediatric patients.
- Colombia Pediatric Health Clinic, Colombia
Organized by The Pediatric Association of Puerto Rico. Trip to Colombia to serve underprivileged community with health services.
- Fundación Padre Venard, San Juan, PR
Performed volunteer medical aid at an underprivileged patient community clinic, taking histories, performing physical examinations, and assisting physicians in diagnosing and management.
- Alcoholic Rehabilitation Center, Tutoring Patients at El Centro Medico de Puerto Rico
- Organized Food Drive for Hurricane Georges victims in Puerto Rico
- Boston Medical Center: Star Pediatric Unit
- Altrusa International San Juan Chapter

EXTRACURRICULAR

- 2005-2006 **Co-Founder, Vice President, Student Interest Group of Neurology**

Member of student-run organization focusing on expanding interest in the surgical fields by way of lectures, conferences and other educational activities.

2004-2005 **Vice-president of the American Medical Student Association UCC Medical School Chapter**

Student Representative to Research Review Board

2003-2005 Social Chair AMSA UCC Medical School Chapter

Class representative to Faculty & Deans meetings

MIT **Varsity Tennis Team**, Social Chair of the MIT Association of Puerto Rico (98-99), Treasurer of the MIT Association of Puerto Rico (99-00, 00-01), active member of AMSA chapter at MIT, active member of the Society of Hispanic Professional Engineers (SHPE)(97-present), and MIT Varsity Tennis Team, Intramural Teams.

PERSONAL

Computer: Scion Image (version of NIH imaging for PC), Analyze, Unix, Linux, Dos, Windows (98/95/3.1/NT), Matlab, Xess, Pro-Engineer, Epi Info, STATA, SAS, Microsoft Office Suit, Lotus Smart Suit, and HTML.

Lab: PCR, Gel Electrophoresis, Northern Blot, Western Blot, Affinity, and NMR

Fully bilingual in Spanish and English. U.S. citizen. Born and raised in Puerto Rico. **Interests** include Tennis, Golf, Baseball, Basketball, Web Architect, Coin and Sports Card Collector.

January 2021