

SILVIANE LEITE MELO, MD

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PROFESSIONAL SUMMARY

Physician with 10+ years of clinical expertise in direct patient care, surgery, and critical care, now driving medical affairs strategy and clinical research. At Boston Research Society, lead medical education programs training physicians for US pharmaceutical and medical device industry roles — designing evidence roadmaps, managing publication activities, and coordinating systematic reviews across therapeutic areas. Skilled in strategic planning for evidence dissemination, project management of cross-functional research teams, and translating complex clinical data into clear communications for healthcare professionals, payors, and scientific audiences. Experienced in KOL engagement, medical education, and risk assessment. Board certification in progress (BCMAS) alongside completed MAPS Primer and Meta-Analysis Academy credentials.

CORE COMPETENCIES

- Evidence Strategy & Roadmap Development
- Clinical Research & Systematic Reviews
- Study Design & Clinical Evaluations
- Project Management & Strategic Planning
- HCP, Payor & Government Agency Communication
- KOL Network Development & Engagement
- Publication Activities & Congress Dissemination
- Medical Education & Training Programs
- Risk Assessment & Patient Care
- Medical Device & Regulatory Compliance

PROFESSIONAL EXPERIENCE

Teaching Assistant, Industry & Innovation Pathway | Boston Research Society (Remote)

2025 – Present

- Designed and delivered medical education training programs equipping 10 clinicians to transition into pharmaceutical and medical device industry roles, covering evidence strategy, KOL engagement, and strategic planning
- Accelerated participants' readiness for the US medical device market by translating regulatory and compliance frameworks into practical, career-applicable knowledge

Specialist Network Coordinator | Meta-Analysis Academy — International evidence generation network (Remote)

2025 – 2026

- Established structured evidence programs across 12+ specialties where none existed — producing 2 accepted congress abstracts (ATS, BMJ 2026) and 1 peer-reviewed journal submission within the first year
- Built an international KOL network of 20+ specialist physicians now actively shaping clinical research agendas and driving evidence-based advocacy across therapeutic areas
- Guided 3 clinical research projects from concept to publication-ready stage — overseeing study design, clinical evaluations, data interpretation, and congress submission strategy
- Identified unmet evidence gaps that secured buy-in to expand into 5 new therapeutic areas, extending the network's global reach and cross-disciplinary impact

Volunteer Medical Information Specialist | Independent (Remote)

2018 – 2025

- Ensured ~70 underserved patients and caregivers received accurate, evidence-based clinical guidance over 7 years, removing language and access barriers that would otherwise have left them without support

- Produced literature reviews and clinical data summaries that strengthened communication tools used by providers serving complex and chronic care patient populations

General Surgeon | Hospital Público de Macaé, Rio de Janeiro, Brazil

2015 – 2018

- Standardized trauma care for 20+ patients per shift through evidence-based protocols, directly improving protocol adherence and outcomes in a high-volume regional referral center
- Trained 4 surgical residents in operative and perioperative trauma management, directly contributing to their clinical competency and readiness for independent practice

General Surgeon & ICU Physician | Hospital Geral do Estado, Bahia, Brazil

2012 – 2015

- Delivered direct patient care for critically ill neurological and post-surgical patients, applying risk assessment frameworks and evidence-based ICU protocols to guide high-stakes clinical decisions
- Applied continuous physiological monitoring and multidisciplinary care coordination to reduce preventable deterioration across surgical, neurological, and critical care patient populations

EDUCATION & CERTIFICATIONS

Doctor of Medicine (MD) | Escola Bahiana de Medicina e Saúde Pública, Brazil

Thesis: "The Use of Beta-Blockers in the Pharmacological Therapy of Vasovagal Syncope: A Literature Review"

Residency in General Surgery | Hospital das Clínicas de Salvador, Brazil

Thesis: "Use of the Intra gastric Balloon in Bariatric Surgery for Obese Patients"

Certified Medical Publication Professional (CMPP) – In Progress

Board Certified Medical Affairs Specialist (BCMAS) – In Progress

Meta-Analysis Academy Certification

MAPS Primer (Medical Affairs Professional Society)

Elsevier Peer-Review Reviewer

Advanced Good Clinical Practices (GCP) | CCRPS

HIPAA Compliance Training | HIPAATraining.us (2026)

AI in Healthcare | Johns Hopkins University – In Progress

SELECTED PUBLICATIONS & PRESENTATIONS

"The Lethal Diamond of Trauma: A Systematic Review and Bayesian Meta-Analysis on Hypocalcemia in Hemorrhagic Shock." Oral Presentation (First Author), American College of Surgeons (ACS) Clinical Congress 2026, Washington DC, September 2026.

"Intraoperative Neuromonitoring of the External Branch of the Superior Laryngeal Nerve in Thyroid Surgery: A Systematic Review and Meta-Analysis of Randomized Controlled Trials." Oral Presentation (Co-Author), American College of Surgeons (ACS) Clinical Congress 2026, Washington DC, September 2026.

Ramirez-Paliza Y, Kasimieh O, Sanha V, Melo SL, et al. *"Low-Pressure Pneumoperitoneum in Robot-Assisted Radical Prostatectomy: A Systematic Review and Meta-Analysis of Randomized Controlled Trials."* International Urology and Nephrology, 2026.

"Ten-Year Follow-Up for Sleeve Gastrectomy Versus Roux-en-Y Gastric Bypass: A Systematic Review and Meta-Analysis." Submitted, Obesity Surgery, 2025.

"Iloprost in Adults with Sepsis: Meta-Analysis of Randomized Controlled Trials." Accepted Poster, American Thoracic Society (ATS) International Conference, May 2026.

“Evaluating Quality Improvement Initiatives’ Strength and Impact on Pediatric Emergency Readiness: A Systematic Review and Multi-Level Meta-Analysis.” Accepted Poster, BMJ Quality & Safety in Healthcare International Forum, March 2026.

LANGUAGES & WORK AUTHORIZATION

Languages: English (Fluent) | Portuguese (Native)

Work Authorization: U.S. Permanent Resident (Green Card Holder)