

# Samuel Sarmiento, MD, MPH, MBA

45 2<sup>nd</sup> St | Highspire, PA 17034 | +1-646-752-9440 | sarmiento.sam@jhu.edu

---

## PROFILE

- Physician with clinical experience in general surgery.
  - Consulting and management experience in the life sciences.
  - Extensive health economics and clinical outcomes research experience.
  - Proven writing experience both academically and in medical journalism.
  - Ability to speak 6 languages.
  - MPH & MBA with experience in design-thinking, market research, health policy and health economics.
- 



## EDUCATION & TRAINING

---

- 2017–2018     **Postdoctoral Fellowship**  
*Johns Hopkins University School of Medicine, Baltimore, MD.* Postdoctoral fellowship in peripheral nerve surgery and clinical outcomes research in the Department of Plastic Surgery. Preceptors: Gedge Rosson, MD and A. Lee Dellon, MD, PhD.
- 2015–2017     **Masters of Public Health (MPH) and Business Administration (MBA)**  
*Johns Hopkins University, Baltimore, MD.* #1 public health school in the world. Focus on health economics and bioethics. GPA: 3.4.
- 2013–2014     **Internship in General Surgery**  
*Mayo Clinic, Rochester, MN.* Provided direct patient care at the level of a PGY-1 resident and assisted in surgery and anatomy labs for students.
- 2003–2010     **Medical Doctor (MD)**  
*Universidad del Azuay, Cuenca, Ecuador.* GPA: 3.8; Cumulative Grade Average: 46/50; class top ten percent.
- 2002–2003     **High School Diploma**  
*Steelton-Highspire High School, Harrisburg, PA.* Cumulative GPA: 4.0; Cumulative Grade Average: 98.48.



## WORK EXPERIENCE

---

### 2018–Present **Founder & President**

*Juniper Consulting, San Diego, CA.* Streamlined business operations for health systems. Epidemiological, clinical, and biomedical research support. Public health consulting. [juniperconsulting.info](http://juniperconsulting.info)

#### *Researchers:*

- Assist researchers in the design and conduct of clinical studies in North America and Latin America.
- Assist with data collection and management.
- Analyze data for various types of research including clinical outcomes, epidemiological, and observational.
- Perform health economics research and modeling to develop market access.
- Interpret and communicate clinical research to relevant audiences.
- Prepare manuscripts for biomedical researchers.
- Assist in the submission and revision process for peer-reviewed journals.

#### *Health systems:*

- Work to improve clinical, operational, financial and market dynamics.
- Assess existing services in health systems and look for areas of improvement.
- Design and implement new services for health care providers. Clients include the Department of Anesthesia at Johns Hopkins Hospital.
- Conduct budget impact analyses for health systems.
- Perform market access research.

#### *Public health consulting:*

- Provide strategic public health consulting for healthcare workers and public health professionals in Latin America.

### 2019–2020 **Director of Market Development**

*Aston Medica/Slim Facelift, Beverly Hills, CA.* Marketing, PR, technology sourcing, EMR software integration, training and staffing for aesthetic plastic surgery practices and med spas. [slimfacelift.com](http://slimfacelift.com)

- Conducted market analysis for market access in the Southwestern US.
- Developed marketing strategies to target aesthetic practices and spas.
- Developed a marketing plan for future expansion, both geographic and of services provided.

### Mar.–May 2017 **Teaching Assistant**

*Johns Hopkins Bloomberg School of Public Health, Baltimore, MD.* Worked as a TA for the “Politics of Health Policy” course with Dr. Vicenç Navarro in the spring session.

### Jun.–Oct. 2016 **Medical Fellow**

*NBC News, 30 Rockefeller Plaza, New York, NY.* Fellowship in medical journalism.

- 2015–2017     **Research Fellow**  
*Johns Hopkins University School of Medicine, Baltimore, MD.* Various projects with the breast reconstruction team in the Department of Plastic Surgery. Mentor: Gedge Rosson, MD.
- 2014–2015     **Primary Care Physician**  
*Private practice, Cuenca, Ecuador.* Provided primary care in an urban setting.
- July 2009       **Research Assistant**  
*University of Pittsburgh Medical Center, Pittsburgh, PA.* Helped with dissections for the development of a new surgical technique for the endoscopic, endonasal approach to the petrous ICA. Mentor: Daniel M. Prevedello, MD.
- Winter 2009    **Research Fellow**  
*Universidad del Azuay, Cuenca, Ecuador.* Graduation thesis on “How to Set Up a Microsurgery Training Laboratory in a Developing Country.” Mentor: Pablo Pena-Tapia, MD.



## HONORS & AWARDS

---

- 2018            **Shenaq Award**  
 Given to the best oral presentation at the Plastic Surgery Research Council 63<sup>rd</sup> Annual Meeting, in Birmingham, Alabama, in May 2018.
- 2017            **Dr. Leroy E. Burney Award**  
 Monetary award for the best essay on a public health issue critical to the world.
- 2017            **Spirit of Student Assembly Award**  
 Award at Johns Hopkins University for exemplary service to peers and the school as a member of the student assembly.
- 2016            **Medical and Educational Perspectives (MEP), Campaign for Progress**  
 Competition to raise public awareness of medical and public health issues in Baltimore. Our project on pediatric head injury prevention through helmet use was selected as the winner and awarded \$10,000 for implementation.
- 2012            **SENESCYT Scholarship**  
 Competitive scholarship for postgraduate studies from the Government of Ecuador.
- 2003            **President’s Award for Educational Achievement, Steelton-Highspire HS**  
 Presented to the top ten percent students in the graduating class.



## LEADERSHIP & SERVICE

---

- 2017 **T. Rowe Price/Johns Hopkins Biotechnology Equity Research Externship**  
Twelve-week selective externship. Built a financial model with a discounted cash flow valuation for a pre-profit biotechnology company.
- 2016–2017 **Newcomer Student Support Team**  
Volunteer at the Commodore John Rodgers School in Baltimore working to help Spanish-speaking children adapt to the system and experience academic growth.
- 2016–2017 **Student Assembly Member-at-Large**  
Served for one academic year at Johns Hopkins Bloomberg School of Public Health.
- 2016 **Johns Hopkins Consulting Club (JHGCC) Biotech Case Competition**  
Participated in this biotech case competition to make recommendations for a product developed at Hopkins, “respEQ.”
- 2015–2016 **Student Assembly Vice-President for Honors & Awards**  
Served for one academic year at Johns Hopkins Bloomberg School of Public Health. Organized the largest annual fundraiser to help students attend conferences.
- 2006–2009 **“Integral Medical Relief” Project**  
Participated in health campaigns with fellow medical students and attending physicians to provide healthcare to an underserved tropical community in Ecuador.



## PUBLICATIONS

---

[Google Scholar Profile: [scholar.google.com/citations?user=HgAAmWMAAAAJ&hl=en](https://scholar.google.com/citations?user=HgAAmWMAAAAJ&hl=en)]

- **Sarmiento S**, Wen C, Cheah MA, Lee SB, Rosson GD. Malpractice Litigation in Plastic Surgery: Can We Identify Patterns? *Aesthet Surg J*. 2020 May 16;40(6):NP394-NP401. doi: 10.1093/asj/sjz258.
- **Sarmiento S**, McColl M, Musavi L, Habibi M, et al. Male Breast Cancer: A Closer Look at Patient & Tumor Characteristics and Factors that Affect Survival Using the National Cancer Database. *Breast Cancer Res Treat*. 2020 Apr;180(2):471-479. doi: 10.1007/s10549-020-05556-y. Epub 2020 Feb 10.
- **Sarmiento S**, Bienert C, Siotos C, Foster D, Manahan MA, Rosson GD. Time to Final Breast Reconstruction: Effect on Quality of Life and Associated Factors. *JPRAS*. Conditionally accepted January 2020.

- **Sarmiento S**, Pierre J, Dellon AL, Frick K. Tibial Nerve Decompression for the Prevention of the Diabetic Foot: A Cost-Utility Analysis Using Markov Model Simulations. *BMJ Open* 2019;0:e024816. doi:10.1136/bmjopen-2018-024816
- **Sarmiento S**, Cooney CM, Manahan, MA. Letter to the Editor: Revisiting the Abdominal Donor Site: Introducing a Novel Nomenclature for Autologous Breast Reconstruction. *Plast Reconstr Surg*. 2018 Dec. doi: 10.1097/PRS.0000000000005021
- **Sarmiento S**, Pierre J, Dellon AL, Frick K. Tibial Nerve Decompression for the Prevention of the Diabetic Foot: A Cost-Utility Analysis Using Markov Model Simulations. *Plast Reconstr Surg Glob Open*. 2018 Apr; 6(4 Suppl): 13-14. [Abstract]
- **Sarmiento S**, Cheah MA, et al. Malpractice Litigation in Plastic Surgery: Can We Identify Patterns? *Plast Reconstr Surg Glob Open*. 2018 Apr; 6(4 Suppl): 89. [Abstract]
- Cheah MA, **Sarmiento S**, Bernatowicz E, Rosson GD, Cooney CM. Online Patient Resources for Breast Implant-Associated Anaplastic Large Cell Lymphoma: A Readability Analysis. *Ann Plast Surg*. 2020 Apr;84(4):346-350.
- Siotos C, **Sarmiento S**, Cooney CM, Manahan MA, Rosson GD. Cost-Effectiveness Analysis of Silicone vs Saline Implant-Based Breast Reconstruction Using the BREAST-Q. *Plast Reconstr Surg*. 2018 Nov 21. doi: 10.1097/PRS.0000000000005194.
- Bello RJ, **Sarmiento S**, Meyer ML, Rosson GD, Cooney DS, Lifchez SD, Cooney CM. Understanding Surgical Resident and Fellow Perspectives on their Needs for Operative Performance Feedback: A Qualitative Study. *J Surg Educ*. 2018 Apr 20. pii: S1931-7204(17)30840-1. doi: 10.1016/j.jsurg.2018.04.002.
- Musavi L, **Sarmiento S**, Sacks JM, Aliu O. Impact of Insurance, Hospital Type & Sociodemographic Factors on Breast Reconstruction Rates: A Look at National Trends. *J Am Coll Surg*. 2018 Oct; 227(4):S34-S35. doi: 10.1016/j.jamcollsurg.2018.07.055.
- Stone JP, **Sarmiento S**, Bu J, Bhat D, Temple-Oberle C. Immediate Breast Reconstruction in Alberta: A Canadian Perspective. *Plast Reconstr Surg Glob Open*. 2018 Apr; 6(4 Suppl): 73-74. [Abstract]
- Stone JP, **Sarmiento S**, Bu J, Shack L, Huang L, Temple-Oberle C. Factors influencing wait times in a Large Canadian Population. Part I: Delayed Breast Reconstruction. *Plast Reconstr Surg Glob Open*. [Accepted for publication: May 2018.]
- Stone JP, **Sarmiento S**, Rosson GD, et al. Relative Drop in Hematocrit after Flap Autologous Breast Reconstruction Predicts Patient Complications. *JPRAS*. [Accepted for publication: March 2018.]
- Lesko RP, Cheah MA, **Sarmiento S**, Cooney CM, Cooney DS. Post-Operative Complications of Panniculectomy and Abdominoplasty: A Retrospective Review. *Ann Plast Surg*. 2020 Jan 15. doi: 10.1097/SAP.0000000000002220.
- Stone JP, Siotos C, **Sarmiento S**, Rosson GD, et al. Implementing Our Microsurgical Breast Reconstruction Enhanced Recovery After Surgery (ERAS) Pathway: Obstacles in Consensus and Recommendations. *Plast Reconstr Surg Glob Open*. 2018;6:e1855. doi: 10.1097/GOX.0000000000001855

- Seu M, Cho B, Pigott R, **Sarmiento S**, Pedreira R, Bhat D, Sacks J. Trends and Perceptions of Electronic Health Record (EHR) Usage Among Plastic Surgeons. *Plast Reconstr Surg Glob Open*. 2020;8:e2709; doi: 10.1097/GOX.0000000000002709
- Cheah MA, Bello RJ, Siotos C, **Sarmiento S**, Rosson GD, et al. Health-Related Quality of Life Throughout the Breast Reconstruction Process: A Prospective Study of 300 Patients. [Submitted to PRS, March 2018.]
- Cheah MA, **Sarmiento S**, Rosson GD, et al. Preoperative Use of Opioids and Risk of Postoperative Complications After Breast Reconstruction. [Abstract presented at the Plastic Surgery Research Council Annual Meeting, May 2018, Birmingham, AL.]
- Bhat D, Kachniarz B, Seu M, Li X, Martin R, **Sarmiento S**, Cho B, Reddy S, Sacks J, Mao HQ. In-vitro Characterization of a Nanofiber-Hydrogel Composite for Improved Fat Graft Survival. [Abstract presented at the Plastic Surgery Research Council Annual Meeting, May 2018, Birmingham, AL.]
- Sood G, Aifesehi P, Cooney CM, **Sarmiento S**, Caffrey J. Reducing Hospital-Acquired Infections by Reducing Microbial Bioburden in the Burn Intensive Care Unit: A Quality-Improvement Study. [Grant application submitted to the Johns Hopkins Armstrong Institute Seed Grants Program, July 2017.]
- Bello RJ, **Sarmiento S**, Rosson GD, Lifchez S, Cooney CM. Understanding the Role for Operative Performance Rating Tools in Meeting Surgical Trainee Feedback Needs: A Qualitative Study. *Plast Reconstr Surg Glob Open*. 2016 Jun; 4(6): e780.
- Batdorf N, Lemaine V, Lovely J, Ballman K, Goede W, Martinez-Jorge J, Booth-Kowalczyk A, Grubbs P, Bungum L, Saint-Cyr M. Enhanced recovery after surgery in microvascular breast reconstruction. *JPRAS*. 2015;68(3):395–402. [Mentioned in acknowledgements.]
- Martinez-Jorge J, Batdorf N, Lovely J, Ballman K, **Sarmiento S**, Lemaine V. Enhanced Recovery Protocol After Microsurgical Breast Reconstruction: A Cohort Study. [Abstract presented at the Midwestern Association of Plastic Surgery Meeting, May 2014, Chicago, IL.]
- **Sarmiento S**, Pena-Tapia P. How to set up a microsurgery training laboratory in a developing country. *Universidad del Azuay Institutional Repository*. 2010.
- **Sarmiento S**, Munoz JM, et al. Relationship of pulmonary function to chronic domestic wood smoke inhalation in a town in the rural Andes. *Universidad del Azuay Institutional Repository*. 2004. [Spanish]

## BOOKS

---

- **Sarmiento S**, McColl M, Habibi M. The Management of Male Breast Cancer. In: Cameron JL, Cameron AM, eds. *Current Surgical Therapy*. 13<sup>th</sup> ed. Philadelphia, PA: Elsevier Health Sciences; 2019.

- **Sarmiento S**, Rivadeneira A. Soluciones para el Dolor. 1<sup>st</sup> Spanish ed; 2020. Translation of: Dellon AL. *Pain Solutions*. 3<sup>rd</sup> ed. La Vergne, TN: Lightning Source; 2013.

## PUBLICATIONS IN MEDICAL JOURNALISM

---

Jun.–Oct. 2016 **NBC News Health & Medical Unit**  
 A total of 15 publications as a medical fellow for NBC News. Full list available at [samuelsarmiento.contently.com](http://samuelsarmiento.contently.com).

## ORAL PRESENTATIONS

---

- June 1, 2018 **Cost-Effectiveness Analysis of Silicone vs Saline Implant-Based Breast Reconstruction Using the Breast-Q.**  
 10<sup>th</sup> Annual Johns Hopkins Plastic Surgery Research Symposium, Baltimore, MD.
- May 19, 2018 **Malpractice Litigation in Plastic Surgery: Can We Identify Patterns?**  
 Plastic Surgery Research Council 63<sup>rd</sup> Annual Meeting, Birmingham, AL.
- April 9, 2018 **Tibial Nerve Decompression for the Prevention of the Diabetic Foot: A Cost-Utility Analysis Using Markov Model Simulations.**  
 American Association of Plastic Surgeons 97<sup>th</sup> Annual Meeting, Seattle, WA.
- June 9, 2017 **Breast Reconstruction Implant Type Impacts Patient Satisfaction Reported by BreastQ.**  
 9<sup>th</sup> Annual Johns Hopkins Plastic Surgery Research Symposium, Baltimore, MD.
- June 9, 2016 **Understanding the Role for Operative Performance Rating Tools in Meeting Surgical Trainee Feedback Needs: A Qualitative Study.**  
 8<sup>th</sup> Annual Johns Hopkins Plastic Surgery Research Symposium, Baltimore, MD.

## PROFESSIONAL AFFILIATIONS

---

2017–Present Johns Hopkins Alumni Association  
 2014–Present Mayo Clinic Alumni Association  
 2013–Present American Medical Association, ME # 31911100021  
 2009–2011 International Physicians for the Prevention of Nuclear War (IPPNW)



## CERTIFICATIONS & TRAINING

---

10/2017	<b>Test d'Évaluation de Français adapté au Canada (TEF Canada)</b> Reading: 261, C1; Listening: 316, C1; Writing: 378, C1; Speaking: 339, B2.
09/2017	<b>International English Language Testing System (IELTS), General Training</b> Total score: 8.5/9 (Reading: 8.0, Listening: 8.5, Speaking: 9.0, Writing: 8.0).
05/2017	<b>Certificate in Bioethics and Public Health Policy</b> Johns Hopkins Berman Institute of Bioethics.
12/2014	<b>Graduate Record Examination (GRE)</b> Verbal: 161; Quantitative: 146; Analytical Writing: 4.5.
11/2014	<b>Test of English as a Foreign Language (TOEFL), iBT</b> Total score: 118/120 (Reading: 30, Listening: 29, Speaking: 29, Writing: 30).
05/2014	<b>Advanced Trauma Life Support (ATLS)</b> Certified until May 2018.
06/2013	<b>Basic Life Support &amp; Advanced CV Life Support (BLS &amp; ACLS)</b> Certified until June 2015.
06/2013	<b>Minnesota State Medical License</b> License # 25332; limited; expired in June 2014.
02/2013	<b>Australian Medical Council MCQ Exam</b> Total score: 267.
01/2013	<b>Medical Council of Canada Evaluating Examination (MCCEE)</b> Total score: 341; 99 <sup>th</sup> percentile.
10/2012	<b>Examen de Admisión a Estudios de Postgrado (EXADEP)</b> Total score: 699.
11/2011	<b>ECFMG Certificate</b> Certificate # 0-877-801-1; EICS Number: E107916-9.
07/2011	<b>USMLE Step 1</b> Three-digit score: 230; two-digit score: 99.
12/2010	<b>Diplôme d'études en langue française (DELF) A1</b> Total score: 98.5/100.
02/2009	<b>Cardiovascular Congress, Miami, FL</b> 16 AMA PRA Category 1 Credits.
11/2008	<b>59<sup>th</sup> Congress of Surgery, Punta del Este, Uruguay</b> 32 hours of educational activities which count locally as CME credits.
10/2003	<b>Test of English as a Foreign Language (TOEFL), paper-based</b> Total score: 643 (98 <sup>th</sup> percentile).





## PERSONAL

---

- **Software:** Stata, SAS, TreeAge, RefWorks, REDCap, Adobe Photoshop, Google Suite, Microsoft Word, Excel, PowerPoint, OneNote, and Outlook.
- **Languages:** Fluent in English, Spanish, French, Portuguese and Italian. Intermediate level of German.
- **Others:** Hobbies and interests include playing guitar, learning languages, classic literature, politics, traveling, fitness coaching, mixed martial arts, weightlifting, swimming, running, and mountain climbing.