Stanford



Arghavan Salles

Clinical Associate Professor, Medicine - Gastroenterology & Hepatology

Bio

BIO

Dr. Salles is a minimally invasive and bariatric surgeon. She completed medical school and residency in general surgery at Stanford prior to completing her fellowship in minimally invasive surgery at Washington University in St. Louis. She stayed on faculty at Washington University for three years prior to moving back to Stanford in 2019.During the pandemic, Dr. Salles has served as a disaster relief physician, caring for patients with COVID in the ICU. Dr. Salles obtained a PhD in education from Stanford University during her residency training, and her research focuses on gender equity, implicit bias, diversity, inclusion, and physician well-being. Her R01 grant from the NIH focuses on sexual harassment. She is a sought-after speaker and has given over 100 national and international invited talks related to gender equity, physician well-being, and weight bias. She currently serves as the Special Advisor for DEI Programs at the Stanford University Department of Medicine where she is a Clinical Associate Professor.

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Medicine - Gastroenterology & Hepatology

HONORS AND AWARDS

- Visiting Professor, Society of Asian American Surgeons (2019)
- Exceptional Mentor Award, American Medical Women's Association (2019)
- #IStandWithHer Award Honorable Mention, Women in Medicine Summit (2019)

BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Chair, Awards Committee, Association for Surgical Education (2020 - 2021)
- Member, Western Surgical Association (2019 - present)
- Vice Chair Awards Committee, Association for Surgical Education (2019 - 2020)
- Co-Chair Communications Committee, American Society for Metabolic and Bariatric Surgery (2018 - present)
- Creative Director and Associate Editor, Surgery for Obesity and Related Diseases (2018 - present)
- Fellow, American College of Surgeons (2018 - present)
- Founding member, TIME'S UP Healthcare (2018 - 2021)
- Chair Surgical Education Research Group, Association for Surgical Education (2018 - 2020)
- Advisor, 500 Women in Medicine (2018 - 2019)
- Member, WE R SAGES Task Force, SAGES (2017 - 2021)
- Member, Publications Committee, Association for Academic Surgery (2017 - 2020)
- Member, American Educational Research Association (2011 - present)

PROFESSIONAL EDUCATION

- Board Certified, American Board of Obesity Medicine , Obesity Medicine (2019)
- Board Certified, American Board of Surgery , Surgery (2016)
- PhD, Stanford University School of Education , Social Psychology (2014)
- MD, Stanford University School of Medicine , Medicine (2006)
- BS, University of Southern California , Biomedical Engineering (2002)
- BA, University of Southern California , French (2002)

LINKS

- Twitter page: https://twitter.com/arghavan_salles

Research & Scholarship

RESEARCH INTERESTS

- Diversity and Identity
- Equity in Education
- Gender Issues
- Race and Ethnicity
- Science Education

Publications

PUBLICATIONS

- **Implicit and explicit weight bias among healthcare professionals.** *International journal of obesity (2005)*
  Liang, J. W., Buonpane, C., Wang, S., Salles, A.
  2025
- **Why and how academic medicine must champion diversity, equity, inclusion, and accessibility.** *Lancet (London, England)*
  Salles, A., Banerjee, A. T., Caceres, W., Mamas, M., Blackstock, O.
  2025
- **Gender and Authorship in Annals of Surgery: A nineteen-year review including the pandemic.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*
  Liang, J. W., Chang, M., Stein, S. L., Salles, A.
  2024; 5 (4): e491
- **Surgeon Sex and Health Care Costs for Patients Undergoing Common Surgical Procedures.** *JAMA surgery*
  Wallis, C. J., Jerath, A., Aminoltejari, K., Kaneshwaran, K., Salles, A., Buntin, M. B., Coburn, N. G., Wright, F. C., Gotlib Conn, L., Heybati, K., Luckenbaugh, A. N., Ranganathan, S., Riveros, et al
  2023
- **Association between patient-surgeon gender concordance and mortality after surgery in the United States: retrospective observational study.** *BMJ (Clinical research ed.)*
  Wallis, C. J., Jerath, A., Ikesu, R., Satkunasivam, R., Dimick, J. B., Orav, E. J., Maggard-Gibbons, M., Li, R., Salles, A., Klaassen, Z., Coburn, N., Bass, B. L., Detsky, et al
  2023; 383: e075484
- **Psychosocial Burdens Associated With Family Building Among Physicians and Medical Students.** *JAMA internal medicine*
  Levy, M. S., Kelly, A. G., Mueller, C., Brown, A. D., Caban-Martinez, A. J., Arora, V. M., Salles, A.
  2023
- **Stigma Associated With Requesting Accommodations-the High Cost of Ableism in Medicine.** *JAMA network open*

Roy-O'Reilly, M., Salles, A.
2023; 6 (5): e2312131

- **When Do Medical Societies Take a Stand on Abortion?** *Journal of general internal medicine*
  Levy, M. S., Fishbach, S., Salles, A., Arora, V. M.
  2022
- **Debunking Four Common Gender Equity Myths** *EUROPEAN UROLOGY*
  Malik, R. D., Salles, A.
  2022; 81 (6): 552-554
- **Abortion Among Physicians.** *Obstetrics and gynecology*
  Levy, M. S., Arora, V. M., Talib, H., Jeelani, R., Duke, C. M., Salles, A.
  2022; 139 (5): 910-912
- **Debunking Four Common Gender Equity Myths.** *European urology*
  Malik, R. D., Salles, A.
  2022
- **Institutional imperatives for the advancement of women in medicine and science through the COVID-19 pandemic.** *Lancet (London, England)*
  Salles, A., Jagsi, R.
  2021
- **Unpacking the Status-Leveling Burden for Women in Male-Dominated Occupations** *ADMINISTRATIVE SCIENCE QUARTERLY*
  Cardador, M., Hill, P. L., Salles, A.
  2021
- **Everyone Must Address Anti-Black Racism in Health Care: Steps for Non-Black Health Care Professionals to Take.** *JAMA*
  Salles, A., Arora, V. M., Mitchell, K.
  2021; 326 (7): 601-602
- **Everyone Must Address Anti-Black Racism in Health Care Steps for Non-Black Health Care Professionals to Take** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*
  Salles, A., Arora, V. M., Mitchell, K.
  2021; 326 (7): 601-602
- **Queen Bee phenomenon: a consequence of the hive.** *Lancet (London, England)*
  Salles, A., Choo, E. K.
  2020; 395 (10228): 940
- **Queen Bee phenomenon: a consequence of the hive** *LANCET*
  Salles, A., Choo, E. K.
  2020; 395 (10228): 940
- **Physician Fertility: A Call to Action.** *Academic medicine : journal of the Association of American Medical Colleges*
  Marshall, A. L., Arora, V. M., Salles, A.
  2019
- **Representation of women in speaking roles at surgical conferences.** *American journal of surgery*
  Gerull, K. M., Wahba, B. M., Goldin, L. M., McAllister, J., Wright, A., Cochran, A., Salles, A.
  2019
- **Recognizing and Reacting to Microaggressions in Medicine and Surgery.** *JAMA surgery*
  Torres, M. B., Salles, A., Cochran, A.
  2019
- **Estimating Implicit and Explicit Gender Bias Among Health Care Professionals and Surgeons.** *JAMA network open*
  Salles, A., Awad, M., Goldin, L., Krus, K., Lee, J. V., Schwabe, M. T., Lai, C. K.
  2019; 2 (7): e196545

- **Assessing gender bias in qualitative evaluations of surgical residents** *AMERICAN JOURNAL OF SURGERY*
  Gerull, K. M., Loe, M., Seiler, K., McAllister, J., Salles, A.
  2019; 217 (2): 306–13
- **Stereotype threat and working memory among surgical residents** *AMERICAN JOURNAL OF SURGERY*
  Milam, L. A., Cohen, G. L., Mueller, C., Salles, A.
  2018; 216 (4): 824–29
- **Social Belonging as a Predictor of Surgical Resident Well-being and Attrition.** *Journal of surgical education*
  Salles, A., Wright, R. C., Milam, L., Panni, R. Z., Liebert, C. A., Lau, J. N., Lin, D. T., Mueller, C. M.
  2018
- **The relationship between perceived gender judgment and well-being among surgical residents** *AMERICAN JOURNAL OF SURGERY*
  Salles, A., Milam, L., Cohen, G., Mueller, C.
  2018; 215 (2): 233–37
- **Perceived Value of a Program to Promote Surgical Resident Well-being.** *Journal of surgical education*
  Salles, A., Liebert, C. A., Esquivel, M., Greco, R. S., Henry, R., Mueller, C.
  2017
- **Exploring the Relationship Between Stereotype Perception and Residents' Well-Being** *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS*
  Salles, A., Mueller, C. M., Cohen, G. L.
  2016; 222 (1): 52-58
- **Family-building patterns of proceduralist and non-proceduralist physicians.** *Journal of assisted reproduction and genetics*
  Kelly, A. G., Levy, M. S., Sundaram, P., Brown, A. D., Martinez, A. J., Jeelani, R., Arora, V. M., Salles, A.
  2025
- **"The ship is going down and we are powerless": The Impact of Federal Funding Changes on Researchers Training the Next Generation of Scientists.** *bioRxiv : the preprint server for biology*
  Mastej, E., Do, T., Salles, A.
  2025
- **Surgeon Sex and Postoperative Resource Utilization: A Population-Based Cohort Study.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*
  Heybati, K., Satkunasivam, R., Aminoltejari, K., Thomas, H. S., Salles, A., Coburn, N., Wright, F. C., Gotlib Conn, L., Luckenbaugh, A. N., Ranganathan, S., Riveros, C., Sutherland, J., McCartney, et al
  2025; 6 (2): e569
- **Characteristics and Perspectives of Female Pediatric Cardiology Division Chiefs.** *JACC. Advances*
  Gal, D. B., Buddhe, S., Salles, A., Co-Vu, J. G., Kipps, A. K.
  2025; 4 (6 Pt 1): 101805
- **Red teaming ChatGPT in medicine to yield real-world insights on model behavior.** *NPJ digital medicine*
  Chang, C. T., Farah, H., Gui, H., Rezaei, S. J., Bou-Khalil, C., Park, Y. J., Swaminathan, A., Omiye, J. A., Kolluri, A., Chaurasia, A., Lozano, A., Heiman, A., Jia, et al
  2025; 8 (1): 149
- **The association between physician sex and patient outcomes: a systematic review and meta-analysis.** *BMC health services research*
  Heybati, K., Chang, A., Mohamud, H., Satkunasivam, R., Coburn, N., Salles, A., Tsugawa, Y., Ikesu, R., Saka, N., Detsky, A. S., Ko, D. T., Ross, H., Mamas, et al
  2025; 25 (1): 93
- **Costs of Family Building for Physicians and Medical Students.** *JAMA network open*
  Levy, M. S., Kelly, A. G., Brown, A. D., Jeelani, R., Talib, H., Liang, J. W., Salles, A.
  2025; 8 (1): e2457287
- **Association Between Surgeon Sex and Days Alive at Home Following Surgery: A Population-Based Cohort Study**
  Heybati, K., Satkunasivam, R., Aminoltejari, K., Thomas, H., Salles, A., Coburn, N., Wright, F., Conn, L., Luckenbaugh, A., Ranganathan, S., Riveros, C., McCartney, C., Armstrong, et al

LIPPINCOTT WILLIAMS & WILKINS.2024: 772-773

- **Association Between Surgeon Sex and Days Alive at Home Following Surgery: A Population-Based Cohort Study.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*
  Heybati, K., Satkunasivam, R., Aminoltejari, K., Thomas, H. S., Salles, A., Coburn, N., Wright, F. C., Gotlib Conn, L., Luckenbaugh, A. N., Ranganathan, S., Riveros, C., McCartney, C., Armstrong, et al
  2024; 5 (3): e477
- **Disability Identity and Perceptions of Institutional Fairness and Climate in Academic Medicine.** *JAMA network open*
  Altamirano, J., Fassiotto, M., Salles, A., Sutha, K., Maldonado, Y., Poullos, P.
  2024; 7 (8): e2430367
- **"Women's work": Gender and the physician workforce.** *Social science & medicine (1982)*
  Temkin, S. M., Salles, A., Barr, E., Leggett, C. B., Reznick, J. S., Wong, M. S.
  2024; 351 Suppl 1: 116556
- **Barriers to Family Building Among Physicians and Medical Students.** *JAMA network open*
  King, Z., Zhang, Q., Liang, J. W., Levy, M. S., Plowden, T. C., Jeelani, R., Marshall, A. L., Barnett, R., Caban-Martinez, A. J., Brown, A., Mueller, C. M., Brown-Johnson, C., Salles, et al
  2023; 6 (12): e2349937
- **PUTTING NUMBERS BEHIND THE ANECDOTES: INFERTILITY AND PREGNANCY COMPLICATIONS AMONG PHYSICIANS AND MEDICAL STUDENTS.**
  Rasouli, M. A., Brown, A. D., Zoroufy, A., Levy, M. S., Arora, V., Salles, A., Sinclair, T. J., Plowden, T. C.
  ELSEVIER SCIENCE INC.2023: E127
- **Surgeon Sex and Long-Term Postoperative Outcomes Among Patients Undergoing Common Surgeries.** *JAMA surgery*
  Wallis, C. J., Jerath, A., Aminoltejari, K., Kaneshwaran, K., Salles, A., Coburn, N., Wright, F. C., Gotlib Conn, L., Klaassen, Z., Luckenbaugh, A. N., Ranganathan, S., Riveros, C., McCartney, et al
  2023
- **Perceptions of Gender Stereotypes among Women Residents in Surgical and Nonsurgical Specialties.** *Southern medical journal*
  Soares, A., Fink, A., Salles, A., Lee, K., Zhong, L., Bhayani, R. K.
  2023; 116 (6): 496-501
- **Wondering If I'd Get There Quicker If I Was a Man: Factors Contributing to Delayed Academic Advancement of Women in Infectious Diseases.** *Open forum infectious diseases*
  Stead, W., Manne-Goehler, J., Blackshear, L., Marcelin, J. R., Salles, A., Del Rio, C., Krakower, D.
  2023; 10 (1): ofac660
- **PROCEDURAL SPECIALISTS FAMILY BUILDING PATTERNS AND USE OF ASSISTED REPRODUCTIVE TECHNOLOGY**
  Sundaram, P., Kelly, A. G., Levy, M. S., Salles, A., Arora, V.
  ELSEVIER SCIENCE INC.2022: E31
- **Supporting Physicians Along the Entire Journey of Fertility and Family Building.** *JAMA network open*
  Marshall, A. L., Salles, A.
  2022; 5 (5): e2213342
- **The Impact of COVID-19 on Family Building Among Physicians and Trainees.** *Journal of general internal medicine*
  Levy, M. S., Kelly, A. G., Brown, A. D., Caban-Martinez, A., Arora, V. M., Salles, A.
  2022
- **Barriers for Medical Students with Underrepresented Identities Considering Orthopaedic Surgery Careers: A Qualitative Investigation**
  Gerull, K. M., Parameswaran, P., Cogsil, T., Jeffe, D., Salles, A., Cipriano, C. A.
  ELSEVIER SCIENCE INC.2021: E169
- **Strategies for Recruiting and Retaining Women and Minorities in Orthopaedics: AOA Critical Issues Symposium.** *The Journal of bone and joint surgery. American volume*
  Gerull, K. M., Salles, A., Porter, S. E., Braman, J. P.
  2021

- **Does Medical Students' Sense of Belonging Affect Their Interest in Orthopaedic Surgery Careers? A Qualitative Investigation.** *Clinical orthopaedics and related research*
  Gerull, K. M., Parameswaran, P., Jeffe, D. B., Salles, A., Cipriano, C. A.
  2021
- **How to Review a Surgical Scientific Paper: A Guide for Critical Appraisal.** *Annals of surgery open : perspectives of surgical history, education, and clinical approaches*
  Greco, S. H., Davis, C. H., Hicks, C. W., Kaye, A. E., Maxwell, J. E., Salles, A., Henry, M. C.
  2021; 2 (1): e027
- **Physician Athletes Promoting Physical Fitness Through Social Media During the COVID-19 Pandemic.** *Health promotion practice*
  Stanford, F. C., Salles, A. n.
  2021: 1524839920988261
- **Order of Discontinuation of Glucose-lowering Medications following Bariatric Surgery.** *Diabetes research and clinical practice*
  Martin Vouri, S., Chen, J., Sparkman, J., Salles, A., Micek, S. T.
  2020: 108580
- **Lack of insulin secretagogue deprescribing and risk of severe hypoglycemia following bariatric surgery**
  Vouri, S. M., Chen, J., Sparkman, J., Brown, J. D., Shao, H., Salles, A., Micek, S. T.
  WILEY.2020: 592
- **Peering Through the Glass Ceiling: A Mixed Methods Study of Faculty Perceptions of Gender Barriers to Academic Advancement in Infectious Diseases.** *The Journal of infectious diseases*
  Manne-Goehler, J., Krakower, D., Marcelin, J., Salles, A., Del Rio, C., Stead, W.
  2020; 222 (Supplement_6): S528–S534
- **Maternity Leave: Not Just a Challenge for Trainees.** *Academic medicine : journal of the Association of American Medical Colleges*
  Pendleton, K. M., Salles, A.
  2020; 95 (4): 489
- **Women in Pediatrics: Progress, Barriers, and Opportunities for Equity, Diversity, and Inclusion.** *Pediatrics*
  Spector, N. D., Asante, P. A., Marcelin, J. R., Poorman, J. A., Larson, A. R., Salles, A., Oxentenko, A. S., Silver, J. K.
  2019
- **Stereotype threat and working memory among surgical residents (vol 216, pg 824, 2018)** *AMERICAN JOURNAL OF SURGERY*
  Milam, L. A., Cohen, G. L., Mueller, C., Salles, A.
  2019; 218 (3): 668
- **Multi-institutional Surgical Education Interventions: A Scoping Review.** *Annals of surgery*
  Salles, A., Milam, L., Sevdalis, N., Alseidi, A., Mellinger, J., Stefanidis, D., Nahmias, J., Kulaylat, A. N., Kim, R. H., Falcone, J. L., Arora, T. K., Phitayakorn, R., Cochran, et al
  2019; 270 (2): 257-269
- **The Relationship Between Self-Efficacy and Well-Being Among Surgical Residents** *JOURNAL OF SURGICAL EDUCATION*
  Milam, L. A., Cohen, G. L., Mueller, C., Salles, A.
  2019; 76 (2): 321–28
- **Corrigendum to 'Stereotype threat and working memory among surgical residents' [Am J Orthop Surg 216 (2018) 824-829].** *American journal of surgery*
  Milam, L. A., Cohen, G. L., Mueller, C., Salles, A.
  2018
- **Psychologist-Facilitated Group Sessions for Residents: A Worthwhile Investment?**
  Lin, D. T., Qiu, W., Lai, C., Post, L. I., Merrell, S., Lau, J. N., Salles, A., Mueller, C. M.
  ELSEVIER SCIENCE INC.2018: E53–E54
- **Emotional Intelligence as a Possible Safeguard to Surgeon Wellness**
  Lee, E. W., Hasty, B. N., Lau, J. N., Merrell, S., Hawn, M. T., Shanafelt, T., Salles, A., Lin, D. T.
  ELSEVIER SCIENCE INC.2018: S145

- **Surgeon Emotional Intelligence Is Strongly Correlated with Patient Satisfaction**
  Lee, E. W., Hasty, B. N., Lau, J. N., Merrell, S., Hawn, M. T., Shanafelt, T., Salles, A., Lin, D. T.
  ELSEVIER SCIENCE INC.2018: S164–S165
- **The Relationship Between Self-Efficacy and Well-Being Among Surgical Residents.** *Journal of surgical education*
  Milam, L. A., Cohen, G. L., Mueller, C., Salles, A.
  2018
- **Physician Wellness in Surgical Residency** *CURRENT SURGERY REPORTS*
  Alobuia, W., Salles, A., Gibson, M., Mueller, C. M.
  2018; 6 (1)
- **Self-Efficacy, Sex, and Resident Performance**
  Milam, L., Mueller, C., Cohen, G., Salles, A.
  ELSEVIER SCIENCE INC.2017: E159–E160
- **Self-Efficacy and Well-Being among Surgical Residents**
  Salles, A., Milam, L., Mueller, C., Cohen, G.
  ELSEVIER SCIENCE INC.2017: E44
- **Fundamentals of Laparoscopic Surgery: Not Only for Senior Residents.** *Journal of surgical education*
  Cullinan, D. R., Schill, M. R., DeClue, A., Salles, A., Wise, P. E., Awad, M. M.
  2017; 74 (6): e51-e54
- **Prevalence and predictors of depression among general surgery residents.** *American journal of surgery*
  Lin, D. T., Liebert, C. A., Esquivel, M. M., Tran, J., Lau, J. N., Greco, R. S., Mueller, C. M., Salles, A.
  2017; 213 (2): 313-317
- **Grit as a predictor of risk of attrition in surgical residency.** *American journal of surgery*
  Salles, A., Lin, D., Liebert, C., Esquivel, M., Lau, J. N., Greco, R. S., Mueller, C.
  2017; 213 (2): 288-291
- **Belonging, Well-being, and Attrition in General Surgery**
  Salles, A., Lin, D. T., Liebert, C. A., Esquivel, M., Mueller, C.
  ELSEVIER SCIENCE INC.2016: E40–E41
- **Emotional Intelligence as a Predictor of Resident Well-Being.** *Journal of the American College of Surgeons*
  Lin, D. T., Liebert, C. A., Tran, J., Lau, J. N., Salles, A.
  2016; 223 (2): 352-358
- **Biliary Cystadenoma: A Suggested "Cystamatic" Approach?** *DIGESTIVE DISEASES AND SCIENCES*
  Dua, M. M., Gerry, J., Salles, A., Tran, T. B., Triadafilopoulos, G., Visser, B. C.
  2016; 61 (7): 1835-1838
- **Minimally invasive approaches to resection of benign/low-grade gastric tumors** *SURGICAL ENDOSCOPY AND OTHER INTERVENTIONAL TECHNIQUES*
  Salles, A., Dua, M., Friedland, S., Visser, B.
  2016; 30 (6): 2624–25
- **Belonging as a Measure of Risk of Attrition**
  Salles, A., Liebert, C. A., Lin, D. T.
  ELSEVIER SCIENCE INC.2015: S49
- **Emotional Intelligence as a Predictor of Resident Wellness**
  Lin, D. T., Liebert, C. A., Lau, J. N., Salles, A.
  ELSEVIER SCIENCE INC.2015: S52
- **Promoting Balance in the Lives of Resident Physicians: A Call to Action.** *JAMA surgery*
  Salles, A., Liebert, C. A., Greco, R. S.
  2015; 150 (7): 607-608

- **Prediction of neurosurgical intervention after mild traumatic brain injury using the national trauma data bank.** *World journal of emergency surgery*
  Sweeney, T. E., Salles, A., Harris, O. A., Spain, D. A., Staudenmayer, K. L.
  2015; 10: 23-?
- **Prediction of neurosurgical intervention after mild traumatic brain injury using the national trauma data bank.** *World journal of emergency surgery*
  Sweeney, T. E., Salles, A., Harris, O. A., Spain, D. A., Staudenmayer, K. L.
  2015; 10: 23-?
- **Predicting outcomes of mild traumatic brain injuries in the National Trauma Database**
  Sweeney, T. E., Salles, A., Spain, D. A., Staudenmayer, K.
  ELSEVIER SCIENCE INC.2014: E190
- **The relationship between grit and resident well-being.** *American journal of surgery*
  Salles, A., Cohen, G. L., Mueller, C. M.
  2014; 207 (2): 251-254
- **Belonging: a simple, brief intervention decreases burnout**
  Salles, A., Nandagopal, K., Walton, G.
  ELSEVIER SCIENCE INC.2013: S116
- **Complete resection of a rare intrahepatic variant of a choledochal cyst** *JOURNAL OF PEDIATRIC SURGERY*
  Salles, A., Kastenberg, Z. J., Wall, J. K., Visser, B. C., Bruzoni, M.
  2013; 48 (3): 652-654
- **CT of pancreas: minimum intensity projections** *ABDOMINAL IMAGING*
  Salles, A., Nino-Murcia, M., Jeffrey, R. B.
  2008; 33 (2): 207-213