



Jessica Rose Ansari

Assistant Professor of Anesthesiology, Perioperative and Pain Medicine
(Obstetrics)

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**

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Bio

CLINICAL FOCUS

- Anesthesia
- Obstetric Anesthesia
- Postpartum Hemorrhage
- Uterine Contraction
- Uterine Atony

ACADEMIC APPOINTMENTS

- Assistant Professor - University Medical Line, Anesthesiology, Perioperative and Pain Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Masters of Science (MS), Stanford University School of Medicine , Epidemiology and Clinical Research (2023)
- Board Certification: Anesthesia, American Board of Anesthesiology (2019)
- Internship: Stanford University Internal Medicine Residency (2013) CA
- Fellowship: Stanford University Anesthesiology Fellowships (2018) CA
- Residency: Stanford University Anesthesiology Residency (2016) CA
- Medical Education: University of California at San Francisco School of Medicine (2012) CA

Research & Scholarship

CLINICAL TRIALS

- Calcium Chloride for Prevention of Blood Loss During Intrapartum Cesarean Delivery, Not Recruiting
- Calcium Chloride for Prevention of Uterine Atony During Cesarean, Not Recruiting
- Pharmacokinetic Equivalence of Calcium Gluconate and Calcium Chloride in Parturients, Not Recruiting

- Pharmacokinetics of Oral Calcium Carbonate in Parturients, Not Specified

Teaching

GRADUATE AND FELLOWSHIP PROGRAM AFFILIATIONS

- Epidemiology (Masters Program)
- Obstetric Anesthesia (Fellowship Program)

Publications

PUBLICATIONS

- **Double dural puncture epidural; once is more than enough.** *European journal of anaesthesiology*
Karkri, F., Carvalho, B., Riley, E. T., Ansari, J. R.
2026; 43 (4): 365-367
- **Methylergonovine Use and Risk of Severe Range Blood Pressure Among Patients with Chronic Hypertension**
Leggett, C., Sherwin, E., Leonard, S., Ansari, J., Abir, G., Lyell, D., El Sayed, Y., Winters, Y., Madding, R., Minor, K.
SPRINGER HEIDELBERG.2026
- **TRPV4-mediated calcium signaling in human uterine endothelial and smooth muscle cells**
Fornes, D., Ansari, J., Michel, G., Cornfield, D.
SPRINGER HEIDELBERG.2026
- **In the gravid human uterus, oxytocin induces smooth muscle cell contraction via transient receptor potential vanilloid 4 channel activation.** *The Journal of physiology*
Fornes, D., Ansari, J. R., Michel, G., Alvira, C. M., Cornfield, D. N.
2026
- **TRANSCRIPTOMIC ANALYSIS OF THE HUMAN UTERUS IN PRETERM LABOR VERSUS PRETERM NON-LABORING REVEALS IMMUNE AND REGULATORY SIGNATURES**
Fornes, D., Ansari, J., Michel, G., Cornfield, D.
W B SAUNDERS CO LTD.2025
- **Method of anaesthesia impact on total operating room time for second-trimester procedural abortion.** *BMJ sexual & reproductive health*
Kaur, S., Ansari, J., Traynor, A. J., Blumenthal, P. D., Henkel, A.
2025
- **Uterine tone numeric rating score as an early indicator of major postpartum hemorrhage during cesarean delivery: A prospective observational study.** *Anesthesiology*
Koons, N. J., Stanwyck, C., Xie, J. J., Michel, G., Lyell, D. J., Carvalho, B., Bateman, B. T., Ansari, J. R.
2025
- **Development and Validation of the Stanford Obstetric Recovery Checklist (STORK): A Delphi Consensus and Multicenter Clinical Validation Study.** *JAMA network open*
Sultan, P., Pandal, P., Murthy, A., Guo, N., Farber, M. K., Toledo, P., Higgins, N., Fiore, J. F., Domingue, B. W., Khorasani, E., Jensen, S. E., Lyell, D. J., Carvalho, et al
2025; 8 (4): e255713
- **A Single Nuclear and Spatial Transcriptomic Atlas of the Contractile and Atonic Gravid Human Uterus Reveals Two Distinct Smooth Muscle Cell Populations**
Ansari, J., Fornes, D., Knutsen, C., Yang, L., Michel, G., Kum, A., Henze, D., Alvira, C., Quake, S., Cornfield, D.
SPRINGER HEIDELBERG.2025: 60A
- **Transient Receptor Potential Vanilloid 4 (TRPV4) Channel Mediates Oxytocin-Induced Uterine Contractility**
Fornes, D., Ansari, J., Michel, G., Alvira, C., Cornfield, D.
SPRINGER HEIDELBERG.2025: 220A
- **Intracellular Calcium Response to Oxytocin in Uterine Smooth Muscle Cells From Patients With Uterine Atony.** *Anesthesia and analgesia*

- Ansari, J. R., Fornes, D., Obiyo, L. T., Michel, G., Cornfield, D. N.
2024
- **miR-203 modulates pregnant myometrium contractility via transient receptor potential vanilloid 4 channel expression.** *FASEB journal : official publication of the Federation of American Societies for Experimental Biology*
Ying, L., Fornes, D. D., Dobberfuhr, A. D., Ansari, J. R., Alvira, C. M., Cornfield, D. N.
2024; 38 (22): e70173
 - **Bioequivalence and pharmacokinetics of intravenous calcium during cesarean delivery.** *Anesthesiology*
Ansari, J. R., Conti, D. J., Michel, G., Yarmosh, A., Cole, N. M., Shafer, S. L.
2024
 - **Variation in Hospital Neuraxial Labor Analgesia Rates in California.** *Anesthesiology*
Parameshwar, P., Guo, N., Bentley, J., Main, E., Singer, S. J., Peden, C. J., Morris, T., Ansari, J., Butwick, A. J.
2024
 - **Intravenous Calcium to Decrease Blood Loss During Intrapartum Cesarean Delivery: A Randomized Controlled Trial.** *Obstetrics and gynecology*
Ansari, J. R., Yarmosh, A., Michel, G., Lyell, D., Hedlin, H., Cornfield, D. N., Carvalho, B., Bateman, B. T.
2023
 - **ROLE OF TRPV4 IN MODULATING CALCIUM SIGNALING PATHWAYS IN NON-LABORING PREGNANT WOMEN: IMPLICATIONS FOR MYOMETRIAL CONTRACTILITY AND PRETERM LABOR MANAGEMENT**
Fornes, D., Ying, L., Ansari, J., Obiyo, L., Alvira, C., Cornfield, D.
W B SAUNDERS CO LTD.2023: E33-E34
 - **Predicting Placenta Accreta Spectrum Disorder: Are We There Yet?** *Anesthesia and analgesia*
Ansari, J. R., Butwick, A. J.
2023; 137 (3): 534-536
 - **Evidence-based clinical practice guidelines on postdural puncture headache: a consensus report from a multisociety international working group.** *Regional anesthesia and pain medicine*
Uppal, V., Russell, R., Sondekoppam, R. V., Ansari, J., Baber, Z., Chen, Y., DelPizzo, K., Dirzu, D. S., Kalagara, H., Kissoon, N. R., Kranz, P. G., Leffert, L., Lim, et al
2023
 - **Consensus Practice Guidelines on Postdural Puncture Headache From a Multisociety, International Working Group: A Summary Report.** *JAMA network open*
Uppal, V., Russell, R., Sondekoppam, R., Ansari, J., Baber, Z., Chen, Y., DelPizzo, K., Dirzu, D. S., Kalagara, H., Kissoon, N. R., Kranz, P. G., Leffert, L., Lim, et al
2023; 6 (8): e2325387
 - **Outpatient Treatment With Gabapentin in Women With Severe Acute Pain After Cesarean Delivery Is Ineffective: A Randomized, Double-Blind, Placebo-Controlled Trial.** *Anesthesia and analgesia*
Fowler, C., Chu, A. W., Guo, N., Ansari, J. R., Shafer, S. L., Flood, P. D.
2023
 - **Transient Receptor Potential Vanilloid 4 Channel Blockade Decreases Contractility of the Pregnant Human Myometrium**
Ying, L., Fornes, D., Obiyo, L. T., Ansari, J., Alvira, C. M., Cornfield, D. N.
SPRINGER HEIDELBERG.2023: 112A-113A
 - **Preterm Birth Doubles in a Cardiac Affected Population: The Added Factor of Maternal Depression**
Beshar, I. E., Panelli, D., Lee, C. J., Dominguez, L., Padron, E., Ramirez, N., Ansari, J., Khandelwal, A., Bianco, K.
SPRINGER HEIDELBERG.2023: 213A-214A
 - **Anesthetic Considerations for Second-Trimester Surgical Abortions.** *Anesthesia and analgesia*
Ozery, E., Ansari, J., Kaur, S., Shaw, K. A., Henkel, A.
2022
 - **Hospital-level variation in rates of postpartum hemorrhage in California.** *Transfusion*
Davis, R., Guo, N., Bentley, J., Sie, L., Ansari, J., Bateman, B., Main, E., Butwick, A. J.

2022

- **Expert Consensus Regarding Core Outcomes for Enhanced Recovery after Cesarean Delivery Studies: A Delphi study.** *Anesthesiology*
Sultan, P., George, R., Weiniger, C. F., El-Boghdady, K., Pandal, P., Carvalho, B., CRADLE Study Investigators, Ansari, J. R., Benhamou, D., Baluku, M., Bernstein, P. S., Bollag, L. A., Bowden, S. J., et al
2022
- **Calcium chloride for the prevention of uterine atony during cesarean delivery: A pilot randomized controlled trial and pharmacokinetic study.** *Journal of clinical anesthesia*
Ansari, J. R., Kalariya, N., Carvalho, B., Flood, P., Guo, N., Riley, E.
2022; 80: 110796
- **Uterine atony.** *Current opinion in obstetrics & gynecology*
Miller, H. E., Ansari, J. R.
1800
- **Clinical factors associated with a positive postpartum depression screen in people with cardiac disease during pregnancy.** *Current research in psychiatry*
Panelli, D. M., Sherwin, E. B., Lee, C. J., Leonard, S. A., Miller, S. E., Miller, H. E., Tolani, A. T., Hoover, V., Ansari, J. R., Khandelwal, A., Bianco, K.
2022; 2 (2): 25-29
- **Chronic disabling postpartum headache after unintentional dural puncture during epidural anaesthesia: a prospective cohort study.** *British journal of anaesthesia*
Ansari, J. R., Barad, M., Shafer, S., Flood, P.
2021; 127 (4): 600-607
- **Postpartum headaches after epidural or spinal anesthesia.** *Current opinion in obstetrics & gynecology*
Joudi, N., Ansari, J.
2021; 33 (2): 94–99
- **Superficial Cervical Plexus Block for Awake Large-Bore Central Line Placement in Parturients: A Case Series.** *A&A practice*
Sheikh, M., Carvalho, B., Boublik, J., Ansari, J.
2021; 15 (3): e01429
- **Management of brain tumors presenting in pregnancy: a case series and systematic review** *Management of brain tumors presenting in pregnancy: a case series and systematic review*
Rodrigues, A.
2021; 3 (1)
- **Ampicillin Pharmacokinetics in Peripartum and Laboring Women.** *American journal of perinatology*
Judy, A. E., Frymoyer, A., Ansari, J., Drover, D. R., Carvalho, B.
2021
- **Did she have an epidural? The long-term consequences of postdural puncture headache and the role of unintended dural puncture.** *Headache*
Barad, M., Carroll, I., Reina, M. A., Ansari, J., Flood, P.
2021
- **Confounders Not General Anesthesia Likely Explain Greater Postpartum Depression.** *Anesthesia and analgesia*
Ansari, J., Carvalho, B., Weiniger, C. F., Riley, E. T.
2020; 131 (6): e248–e250
- **Bicuspid Aortic Valve and Ascending Aortic Aneurysm in a Twin Pregnancy.** *JACC. Case reports*
Bryant, E., Tsai, S., Levin, E., Fleischman, D., Ansari, J., Fischbein, M., Bianco, K., Khandelwal, A.
2020; 2 (1): 96-100
- **A Bun in the Oven How to Use TIVA in Obstetrics** *TAKING ON TIVA: DEBUNKING MYTHS AND DISPELLING MISUNDERSTANDINGS*
Flood, P., Ansari, J.
edited by Irwin, M. G., Wong, G. T., Lam, S. W.
2020: 139-145

- **Transesophageal Echocardiographic Observation of Caval Thrombus Followed by Intraoperative Placement of Inferior Vena Cava Filter for Presumed Pulmonary Embolism During Cesarean Hysterectomy for Placenta Percreta: A Case Report** *A & A PRACTICE*
Nanji, J. A., Ansari, J. R., Yurashevich, M., Ismawan, J. M., Lyell, D. J., Karam, A. K., Hovsepian, D. M., Riley, E. T.
2019; 12 (2): 37–40
- **Transesophageal Echocardiographic Observation of Caval Thrombus Followed by Intraoperative Placement of Inferior Vena Cava Filter for Presumed Pulmonary Embolism During Cesarean Hysterectomy for Placenta Percreta: A Case Report.** *A&A practice*
Nanji, J. A., Ansari, J. R., Yurashevich, M., Ismawan, J. M., Lyell, D. J., Karam, A. K., Hovsepian, D. M., Riley, E. T.
2018
- **Pharmacokinetics and Pharmacodynamics of Drugs Commonly Used in Pregnancy and Parturition.** *Anesthesia and analgesia*
Ansari, J., Carvalho, B., Shafer, S. L., Flood, P.
2016; 122 (3): 786-804