Stanford

Naida Cole

Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine

CLINICAL OFFICE (PRIMARY)

- **Anesthesia Department**
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Bio

BIO

Dr. Cole is a Clinical Associate Professor of Anesthesiology at Stanford. Her scholarship focuses on improving the prevention, assessment, and treatment of uterine atony and postpartum hemorrhage. She has published clinical trials of uterotonic therapy and uterine tone assessment and has performed research on oxytocin pharmacology in cesarean delivery, supported by a Foundation for Anesthesia Education and Research Mentored Research Training Grant. Before joining Stanford, Dr. Cole served as Chief of Obstetric Anesthesia and Clinical Director of the Family Birth Center at the University of Chicago. She has also taught obstetric point-of-care ultrasound (POCUS) nationally and internationally. She trained at Brown University, Massachusetts General Hospital, and Brigham and Women's Hospital. Before medicine, she was an international concert pianist and Yamaha artist, recording for the Deutsche Grammophon and Decca labels.

CLINICAL FOCUS

- Anesthesia

ACADEMIC APPOINTMENTS

- Clinical Associate Professor, Anesthesiology, Perioperative and Pain Medicine
- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Board Certification: Anesthesia, American Board of Anesthesiology (2019)
- Fellowship: Brigham and Women's Hospital Anesthesiology Fellowships (2018) MA
- Fellowship: Brigham and Women's Hospital Anesthesiology Fellowships (2017) MA
- Residency: Harvard Medical School/Mass General Brigham (2016) MA
- Internship: Cambridge Health Alliance Program Transitional Year Pgm (2013) MA
- Medical Education: Brown University Alpert Medical School (2012) RI

Research & Scholarship

CLINICAL TRIALS

- Oxytocin Pharmacokinetics and Pharmacodynamics, Recruiting

Publications

PUBLICATIONS

- **Neuraxial anesthetic failures for postpartum tubal ligation after vaginal delivery: a single center retrospective cohort study (2013-2023).** *International journal of obstetric anesthesia*
  Thomas, C. L., Nizamuddin, S. L., Dewey, A. J., Iqbal, S. S., Liao, C., Cole, N. M.
  2026; 68: 105234

- **Ambulation during Neuraxial Analgesia in Obese Patients: A Pilot Study.** *American journal of perinatology*
  Suresh, S., Seiler, F. A., Arnolds, D., Gonzalez, M., Cole, N., Silver, R., Scavone, B., Dude, A.
  2026; 43 (1): 122-124

- **Closed-loop vasopressor systems for hemodynamic stability during cesarean delivery and maternal and neonatal outcomes: a systematic review and meta-analysis.** *International journal of obstetric anesthesia*
  Khan, M. J., Hassan, J., Karmakar, A., Khan, M., Dean, C. T., Scavone, B. M., Cole, N. M.
  2025; 64: 104768

- **In Reply.** *Obstetrics and gynecology*
  Cole, N. M., Kim, J. J., Bateman, B. T.
  2025; 145 (3): e123-e124

- **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

- **Second-Line Uterotonics for Uterine Atony: A Randomized Controlled Trial.** *Obstetrics and gynecology*
  Cole, N. M., Kim, J. J., Lumbreras-Marquez, M. I., Fields, K. G., Mendez-Pino, L., Farber, M. K., Carusi, D. A., Toledo, P., Bateman, B. T.
  2024

- **Anesthetic recommendations for maternal and fetal safety in nonobstetric surgery: a balancing act.** *Current opinion in anaesthesiology*
  Obiyo, L. T., Tobes, D., Cole, N. M.
  2024; 37 (3): 285-291

- **A survey of pregnant patients' perspectives on the implementation of artificial intelligence in clinical care.** *Journal of the American Medical Informatics Association : JAMIA*
  Armero, W., Gray, K. J., Fields, K. G., Cole, N. M., Bates, D. W., Kovacheva, V. P.
  2022; 30 (1): 46-53

- **The interrater reliability and agreement of a 0 to 10 uterine tone score in cesarean delivery.** *American journal of obstetrics & gynecology MFM*
  Cole, N. M., Abushoshah, I., Fields, K. G., Carusi, D. A., Robinson, J. N., Bateman, B. T., Farber, M. K.
  2021; 3 (3): 100342

- **Labor prior to cesarean delivery associated with higher post-discharge opioid consumption.** *PloS one*
  Ende, H. B., Landau, R., Cole, N. M., Burns, S. M., Bateman, B. T., Bauer, M. E., Booth, J. L., Flood, P., Leffert, L. R., Houle, T. T., Tsen, L. C.
  2021; 16 (7): e0253990

- **Transversus Abdominis Plane Block With Liposomal Bupivacaine for Pain After Cesarean Delivery in a Multicenter, Randomized, Double-Blind, Controlled Trial.** *Anesthesia and analgesia*
  Nedeljkovic, S. S., Kett, A., Vallejo, M. C., Horn, J., Carvalho, B., Bao, X., Cole, N. M., Renfro, L., Gadsden, J. C., Song, J., Yang, J., Habib, A. S.
  2020

- **Evaluation of a Quality Improvement Intervention That Eliminated Routine Use of Opioids After Cesarean Delivery.** *Obstetrics and gynecology*
  Holland, E., Bateman, B. T., Cole, N., Taggart, A., Robinson, L. A., Sugrue, R., Xu, X., Robinson, J. N.
  2019; 133 (1): 91-97

- **Challenges and hurdles for patient safety in obstetric anesthesia in Japan.** *Journal of anesthesia*
  Fujita, N., Cole, N. M., Nagasaka, Y.
  2018; 32 (6): 901-907

- **Regional Anesthesia for Arteriovenous Fistula Surgery May Reduce Hospital Length of Stay and Reoperation Rates.** *Vascular and endovascular surgery*
  Cole, N. M., Vlassakov, K., Brovman, E. Y., Heydarpour, M., Urman, R. D.
  2018; 52 (6): 418-426

- **Patterns of Opioid Prescription and Use After Cesarean Delivery.** *Obstetrics and gynecology*
  Bateman, B. T., Cole, N. M., Maeda, A. n., Burns, S. M., Houle, T. T., Huybrechts, K. F., Clancy, C. R., Hopp, S. B., Ecker, J. L., Ende, H. n., Grewe, K. n., Raposo Corradini, B. n., Schoenfeld, et al
  2017; 130 (1): 29–35

- **In Vitro Comparative Effect of Carbetocin and Oxytocin in Pregnant Human Myometrium with and without Oxytocin Pretreatment.** *Anesthesiology*
  Cole, N. M., Carvalho, J. C., Erik-Soussi, M., Ramachandran, N., Balki, M.
  2016; 124 (2): 378-86

- **Controlling pain after total hip and knee arthroplasty using a multimodal protocol with local periarticular injections: a prospective randomized study.** *The Journal of arthroplasty*
  Parvataneni, H. K., Shah, V. P., Howard, H., Cole, N., Ranawat, A. S., Ranawat, C. S.
  2007; 22 (6 Suppl 2): 33-8