

Stanford



Sheila E. Cohen

Professor (Clinical) of Anesthesia, Emerita
Anesthesiology, Perioperative and Pain Medicine

Bio

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Anesthesiology, Perioperative and Pain Medicine

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Our obstetric anesthesia group is interested in a variety of topics including the efficacy and mechanism of action of spinal and epidural opioids for production of analgesia during labor, and the functionality of epidural analgesia for labor pain relief. Recently, techniques have been directed at providing excellent analgesia with no or minimal motor blockade or side effects. We have performed clinical and volunteer studies to examine the effects of spinal sufentanil (a short-acting synthetic opioid) given to relieve labor pain, and the potential benefits of "walking epidurals" - a technique for epidural analgesia using such dilute solutions of local anesthetics combined with opioids that patients are able to ambulate.

Publications

PUBLICATIONS

- **Challenging the 4-to 5-minute rule: from perimortem cesarean to resuscitative hysterotomy** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Lipman, S. S., Cohen, S., Mhyre, J., Carvalho, B., Einav, S., Arafeh, J., Jeejeebhoy, F., Cobb, B., Druzin, M., Katz, V., Harney, K.
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2014; 118 (5): 1003-1016
- **Response times for emergency cesarean delivery: use of simulation drills to assess and improve obstetric team performance** *JOURNAL OF PERINATOLOGY*
Lipman, S. S., Carvalho, B., Cohen, S. E., Druzin, M. L., Daniels, K.
2013; 33 (4): 259-263
- **Transport Decreases the Quality of Cardiopulmonary Resuscitation During Simulated Maternal Cardiac Arrest** *ANESTHESIA AND ANALGESIA*
Lipman, S. S., Wong, J. Y., Arafeh, J., Cohen, S. E., Carvalho, B.
2013; 116 (1): 162-167
- **Measuring the labor pain experience: delivery still far off** *INTERNATIONAL JOURNAL OF OBSTETRIC ANESTHESIA*
Carvalho, B., Cohen, S. E.
2013; 22 (1): 6-9
- **The quality of CPR deteriorates during transport in simulated maternal arrests** *15th World-Federation-of-Societies-of-Anaesthesiologists (WFSA) World Congress of Anaesthesiologists*

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- **Labor Room Setting Compared With the Operating Room for Simulated Perimortem Cesarean Delivery A Randomized Controlled Trial** *OBSTETRICS AND GYNECOLOGY*
Lipman, S., Daniels, K., Cohen, S. E., Carvalho, B.
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- **Deficits in the provision of cardiopulmonary resuscitation during simulated obstetric crises** *AMERICAN JOURNAL OF OBSTETRICS AND GYNECOLOGY*
Lipman, S. S., Daniels, K. I., Carvalho, B., Arafeh, J., Harney, K., Puck, A., Cohen, S. E., Druzin, M.
2010; 203 (2)
- **Minimum effective bolus dose of oxytocin during elective Caesarean delivery** *BRITISH JOURNAL OF ANAESTHESIA*
Butwick, A. J., Coleman, L., Cohen, S. E., Riley, E. T., Carvalho, B.
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- **Hetastarch co-loading is as effective as pre-loading for the prevention of hypotension following spinal anesthesia for cesarean delivery** *INTERNATIONAL JOURNAL OF OBSTETRIC ANESTHESIA*
Carvalho, B., Mercier, F. J., Riley, E. T., Brummel, C., Cohen, S. E.
2009; 18 (2): 150-155
- **Airway management in Nager Syndrome** *LARYNGOSCOPE*
Ho, A. S., Aleshi, P., Cohen, S. E., Koltai, P. J., Cheng, A. G.
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- **Airway management in Nager Syndrome** *INTERNATIONAL JOURNAL OF PEDIATRIC OTORHINOLARYNGOLOGY*
Ho, A. S., Aleshi, P., Cohen, S. E., Koltai, P. J., Cheng, A. G.
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Cohen, S. E., Andes, L. C., Carvalho, B.
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- **Local infiltration of epinephrine-containing lidocaine with bicarbonate reduces superficial bleeding and pain during labor epidural catheter insertion: a randomized trial** *INTERNATIONAL JOURNAL OF OBSTETRIC ANESTHESIA*
Carvalho, B., Fuller, A., Brummel, C., Cohen, S. E.
2007; 16 (2): 116-121
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- **A survey of labor patient-controlled epidural anesthesia practice in California hospitals** *37th Annual Meeting of the Society-for-Obstetric-Anesthesia-and-Perinatology*
Carvalho, B., Wang, P., Cohen, S. E.
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- **Patient preferences for anesthesia outcomes associated with Cesarean delivery** *ANESTHESIA AND ANALGESIA*
Carvalho, B., Cohen, S. E., Lipman, S. S., Fuller, A., Mathusamy, A. D., Macario, A.
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- **The ED50 and ED95 of intrathecal isobaric bupivacaine with opioids for cesarean delivery** *ANESTHESIOLOGY*
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- **A survey of labor patient-controlled epidural anesthesia practice in Californian hospitals** *37th Annual Meeting of the Society-for-Obstetric-Anesthesia-and-Perinatology*
Carvalho, B., Wang, P., Riley, E. T., Cohen, S. E.
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- **Single-dose, sustained-release epidural morphine in the management of postoperative pain after elective Cesarean delivery: Results of a multicenter randomized controlled study** *ANESTHESIA AND ANALGESIA*
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- **The site of action of epidural fentanyl infusions in the presence of local anesthetics: A minimum local analgesic concentration infusion study in nulliparous labor** *Annual Meeting of the Society-of-Obstetric-Anesthesiology-and-Perinatology*
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