UCSD Regional
Regional Anesthesia and Acute Pain Medicine Fellowship

Fellowship Director:
Matthew Swisher, MD MS
CLINICAL SITES FOR UCSD RAAPM FELLOWSHIP

JACOBS MEDICAL CENTER

UCSD HILLCREST

KOMAN OUTPATIENT PAVILION

SULPIZIO CV CENTER
EDUCATIONAL CURRICULUM

- **Rotations**
  - Regional Anesthesia at various sites
  - Acute Pain Service at Jacobs Medical Center
  - Elective of your choice

- **Elective opportunities**
  - Clinical research
  - Global health rotation in Rwanda
    - Dr. Swisher | Founder and Director of the East African Regional Anesthesia and Acute Pain Medicine Fellowship Program (Kigali)
  - Pediatric regional rotation at Rady’s Children Hospital

- **Fellowship tracks**
  - Biomedical Informatics
  - Global Health and Health Policy
  - Perioperative Management
EDUCATIONAL CURRICULUM

• Objectives
  • Master basic single-shot and continuous peripheral nerve block techniques
  • Gain experience managing continuous perineural infusions for inpatients and outpatients
  • Understand how to build/manage a regional anesthesia service
  • Learn how to effectively manage acute pain (multimodal analgesia, epidurals, ERAS) and how to run an acute pain service

• Structure of fellowship
  • 4 regional/acute pain service days/week
  • 1 day/week in OR as attending (paid extra, solo or supervision)
  • Compensated OR/OB attending call readily available
  • Academic or QI project of your choice

<table>
<thead>
<tr>
<th>Typical Number of Blocks per Fellow per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paravertebral single-shot</td>
</tr>
<tr>
<td>Paravertebral catheter</td>
</tr>
<tr>
<td>Erector spinae</td>
</tr>
<tr>
<td>Infraclavicular single-shot</td>
</tr>
<tr>
<td>Infraclavicular catheter</td>
</tr>
<tr>
<td>Interscalene single-shot</td>
</tr>
<tr>
<td>Interscalene catheter</td>
</tr>
<tr>
<td>Thoracic epidural</td>
</tr>
<tr>
<td>Adductor single-shot</td>
</tr>
<tr>
<td>Adductor catheter</td>
</tr>
<tr>
<td>Femoral single-shot</td>
</tr>
<tr>
<td>Femoral catheter</td>
</tr>
<tr>
<td>Sciatic single-shot</td>
</tr>
<tr>
<td>Sciatic catheter</td>
</tr>
<tr>
<td>Supraclavicular single-shot</td>
</tr>
<tr>
<td>Axillary single-shot</td>
</tr>
<tr>
<td>Ankle block</td>
</tr>
<tr>
<td>TAP block</td>
</tr>
<tr>
<td>Serratus anterior plane/PECS</td>
</tr>
<tr>
<td>Quadratus lumbarum block</td>
</tr>
<tr>
<td>Distal blocks (median, ulnar, radial, LABC, MABC, metacarpal)</td>
</tr>
</tbody>
</table>

Total Number of Blocks ~ 1,800
EDUCATIONAL CURRICULUM

• Conferences
  • UCSD Regional Conference
  • UCIMED/UCSD Regional Conference in Costa Rica
  • COSECSA/University of Rwanda/WFSA Annual Conference in Kigali, Rwanda
  • ASRA
THE BIG QUESTION: ACGME VERSUS NON-ACGME

• Benefits of non-ACGME programs
  • Opportunity to work as attending in OR (and not lose your OR skills your first year out of residency)
  • Greatly supplement your income
  • Greater autonomy
  • Year of fellowship is a great personal sacrifice, so we at UCSD aim to minimize the amount of sacrifice needed to become an expert RAAPM subspecialist

• Benefits of ACGME programs
  • Currently none
  • No standards for block volume or complexity
  • Far in the future, there might be a specialty exam in RAAPM, but until that time there are NO BENEFITS to trainees
  • Going ACGME only benefits individual departments and divisions by making them look more “official”
## Comparison of Programs

<table>
<thead>
<tr>
<th><strong>ACGME Program #1</strong></th>
<th><strong>Non-ACGME Program #1</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Volume</strong></td>
<td>~500</td>
</tr>
<tr>
<td><strong>Complexity</strong></td>
<td>95% single-shots, very little PVBs, no ICs</td>
</tr>
<tr>
<td><strong>Supervising vs. performing</strong></td>
<td>Mostly supervising</td>
</tr>
<tr>
<td><strong>Salary</strong></td>
<td>$62,000</td>
</tr>
<tr>
<td><strong>Attending OR coverage</strong></td>
<td>No, required to give lunch breaks to residents/CRNAs</td>
</tr>
<tr>
<td><strong>Research options</strong></td>
<td>1 ongoing RCT</td>
</tr>
</tbody>
</table>
RESEARCH OPPORTUNITIES

• Clinical Trials
  • Learn how to design and execute clinical trials
  • Peripheral neuromodulation for analgesia
  • Cryoanalgesia for acute pain
  • Acute Pain Service (i.e. benefits of ketamine/lidocaine infusions, ERAS protocols, pain pathways)
  • Comparison of regional anesthesia blocks for various surgeries
  • Currently have >20 ongoing prospective, randomized trials

• Biomedical Informatics
  • Learn statistics and computer programming if interested to supplement research skills
  • National database research on opioid consumption/complications and perioperative outcomes
  • Institutional data analysis on quality improvement, multimodal analgesia, operating room efficiency, and perioperative outcomes
  • Predictive analytics (machine learning, AI) for patient outcomes
UCSD RAAPM FELLOWSHIP

• Eligibility Criteria
  • Board certification (or eligibility) in Anesthesiology
  • Current license in state of residency (at time of application)
  • California medical license (when starting fellowship)

• Fellowship Positions and Application Process
  • Number of positions = 8 total/year with August 1st start date
  • Interviews = February
  • Salary = ranges from $110,000-220,000 depending on the amount of OR/OB attending call taken
UCSD RAAPM Faculty

• Rodney A. Gabriel, MD, MAS – Division Chief, Regional Anesthesia
  • Medical School: UCSF | Residency: BWH | RAAPM Fellowship: UCSD

• Matthew Swisher, MD, MS – Fellowship Director
  • Medical School: Duke | Residency: UCSF/BWH | RAAPM Fellowship: UCSD

• Engy Said, MD – Division Chief, Acute Pain
  • Medical School: UCLA | Residency: USC/UCSD | RAAPM Fellowship: UCSD

• John Finneran, MD
  • Medical School: UCSD | Residency: UCSD | RAAPM Fellowship: UCSD
UCSD RAAPM Faculty

• Wendy Abramson, MD
  • Medical School: Thomas Jefferson | Residency: Penn | RAAPM Fellowship: UCSD

• Brenton Alexander, MD
  • Medical School: UC Irvine | Residency: UCSD | RAAPM Fellowship: UCSD

• Jessica Black, MD
  • Medical School: Ross | Residency: Crittenton | RAAPM Fellowship: Virginia Mason

• Rekha Chandrabose, MD
  • Medical School: UNC | Residency: UCSD | RAAPM Fellowship: UCSD

• Brian Curran, MD
  • Medical School: St. George’s | Residency: Mt. Sinai | RAAPM Fellowship: UCSD
UCSD RAAPM Faculty

• Brian M. Ilfeld, MD, MS
  • Medical School: UCSF | Residency: UCSF | RAAPM Fellowship: U of Florida

• Bahareh Khatibi, MD
  • Medical School: U of Chicago | Residency: UCSD | RAAPM Fellowship: UCSD

• Preetham Suresh, MD
  • Medical School: Case Western | Residency: UCSF

• Jacklynn Sztain, MD
  • Medical School: UCLA | Residency: UCSD | RAAPM Fellowship: UCSD
RAAPM FELLOWSHIP CONTACT INFORMATION

Matthew Swisher, Fellowship Director
e-mail: mwswwisher@ucsd.edu

Ileana Ramirez, Fellowship Coordinator
e-mail: reganesthesia@ucsd.edu