Welcome to Stanford

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Our Mission

At Stanford, we provide the environment and resources to help fulfill your highest professional potential as an anesthesiologist.
Stanford Resident: “I think the key selling points of our program are”:

- Unquestionably good clinical training
- Dynamic and talented group of residents
- Supportive faculty
- Appreciative administration
- Outstanding fellowship programs
- Hard working and have fun
- Innovation in education
The goal is to produce outstanding clinical anesthesiologists & leaders, who also have additional areas of expertise

- Research via the FARM program
- Extra training in some clinical subspecialty
  - For example, the echo track
- Global Health
- Medical Education
- Quality Improvement/Management/IT
- Combined clinical training in pediatrics & anesthesia
- Combined training in internal medicine & anesthesia
Stanford Anesthesia Residency Options

• 3 year advanced (n=13 positions)
  – Affiliated internship at the Valley (n=4)
  – SF Kaiser (n=2)

• 4 year categorical (n=8 positions)

• Combined pediatrics/anesthesia 5 year program (n=2 positions)

• Combined medicine/anesthesia 5 year program including pgy1 yr (n=3 positions)
The Clinical Base Year

- Thirteen 4 week rotations similar to the Stanford Medicine preliminary medicine year
- 1 month each of Emergency Medicine, ICU, Anesthesiology
- 7 Medicine Inpatient rotations (e.g., Cardiology)
- 2 mths of consult services (e.g., Pulmonary)
- Preoperative Anesthesia Evaluation Clinic
- 2 weeks acute pain rotation, 2 weeks CVICU rotation
- Monthly anesthesia online module (START)
- Monthly Simulation Workshop with other interns
- 4 wks vacation
Why Choose Stanford?

How great the education is depends on how great the clinical care is and how great the scholarship is in the anesthesia department.
Education is a result of:

- Curriculum
- Teaching
- Advising/mentoring
- Assessment
  - how do we know what residents learn
- Administration
Anesthesia Residency

- Faculty
  - World class expertise, leaders
- Patients/Facilities
- Curriculum
- Residents
- Alumni
Even more reasons to choose Stanford Anesthesia...

Facilities/Patients
New Stanford hospital
Curriculum
# Stanford rotation schedule (mths)

<table>
<thead>
<tr>
<th>ACGME required</th>
<th>Additional electives</th>
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<tbody>
<tr>
<td>Neuro 2</td>
<td>VA Chief Resident 2</td>
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<tr>
<td>Obstetrics 2</td>
<td>Thoracic 1</td>
</tr>
<tr>
<td>ICU 4 (1 as intern)</td>
<td>Liver transplant 1</td>
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<td>Pediatrics 2</td>
<td>Peds cardiac 2</td>
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<tr>
<td>Pre-op Clinic 1</td>
<td>Research 0-9</td>
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<tr>
<td>Acute Pain 1</td>
<td>Difficult airway 1</td>
</tr>
<tr>
<td>Chronic pain 1</td>
<td>Ambulatory 1</td>
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<tr>
<td>Nerve blocks 1</td>
<td>Orthopedic 1</td>
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<tr>
<td>PACU 0.5</td>
<td>VA 4</td>
</tr>
<tr>
<td>Cardiac 2</td>
<td>County 3</td>
</tr>
<tr>
<td></td>
<td>Echo 0.5</td>
</tr>
<tr>
<td></td>
<td>Urology/Bariatric 1</td>
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## Case numbers

<table>
<thead>
<tr>
<th>Case Type</th>
<th>ACGME Minimum Required</th>
<th>% above at Stanford</th>
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</thead>
<tbody>
<tr>
<td>Patients &lt; 3 months old</td>
<td>5</td>
<td>236%</td>
</tr>
<tr>
<td>Patients &lt; 3 years old</td>
<td>20</td>
<td>316%</td>
</tr>
<tr>
<td>Patients &lt; 12 years old</td>
<td>100</td>
<td>150%</td>
</tr>
<tr>
<td>Spinals</td>
<td>40</td>
<td>251%</td>
</tr>
<tr>
<td>Epidurals</td>
<td>40</td>
<td>422%</td>
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<tr>
<td>Peripheral Nerve Blocks</td>
<td>40</td>
<td>276%</td>
</tr>
<tr>
<td>Trauma/Burns</td>
<td>20</td>
<td>199%</td>
</tr>
<tr>
<td>Total Cardiac</td>
<td>20</td>
<td>275%</td>
</tr>
<tr>
<td>Intrathoracic Non-Cardiac</td>
<td>20</td>
<td>162%</td>
</tr>
<tr>
<td>Vascular, Major Vessels</td>
<td>20</td>
<td>174%</td>
</tr>
<tr>
<td>Vaginal Delivery</td>
<td>40</td>
<td>235%</td>
</tr>
<tr>
<td>Cesarean (including high risk)</td>
<td>20</td>
<td>269%</td>
</tr>
<tr>
<td>Pain Evaluation - acute, chronic, cancer</td>
<td>20</td>
<td>291%</td>
</tr>
<tr>
<td>Intracerebral Open</td>
<td>11</td>
<td>414%</td>
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<tr>
<td>Total Intracerebral (with endovascular)</td>
<td>20</td>
<td>200%</td>
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</table>
There are more than 500 lectures/yr for anesthesia residents
Brain (80%), Blood (12%), CSF (8%)
Education Committee
Successful initiatives

- Feedback Thursday
- Mock OSCE
- Perioperative rotation
- 15 minute lectures: 10am, noon & 2pm
- CA2 class QI projects
- New rotation: out of the OR
- ASC OR management scheduler rotation
- International rotations/Global health
  - Month rotation in Zimbabwe
What do residents do when they leave the farm?
Stanford Anesthesia
Class of 2000-where are they now?

• 11 or 50% private practice
• 11 or 50% academics
  – Stanford (n=6)
  – Palo Alto VA (n=2)
  – Packard (n=1)
  – Santa Clara Valley (n=1)
  – Yale (n=1)
<table>
<thead>
<tr>
<th></th>
<th>2014</th>
<th>2015</th>
<th>2016</th>
<th>2017</th>
<th>2018</th>
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<tr>
<td>Cardiac</td>
<td>4</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>5</td>
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<tr>
<td>Palliative care</td>
<td></td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Pain</td>
<td>2</td>
<td>4</td>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pediatrics</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
</tr>
<tr>
<td>Research</td>
<td>3</td>
<td></td>
<td>4</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ICU</td>
<td>3</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
</tr>
<tr>
<td>Regional</td>
<td>2</td>
<td>4</td>
<td>3</td>
<td>3</td>
<td>2</td>
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<tr>
<td>Transfusion</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>OB</td>
<td></td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ENT/airway</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Neuroanesthesia</td>
<td></td>
<td></td>
<td></td>
<td></td>
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</table>
2015 senior class
16 of 25 residents (64%): fellowships

Regional anesthesia (n=4)
*Stanford, Northwestern, Virginia-Mason, Duke

Pain medicine (n=4)
*Stanford, UCSF, Cornell, UCSD

Cardiac anesthesia (n=4)
*Stanford, UCSD, Brigham, U of Washington

Pediatric anesthesia (n=2)
*Stanford, Boston Children’s

ICU (n=1)
*Stanford

Transfusion medicine (n=1)
*Stanford
2016 senior class
15 of 25 residents (60%) are doing fellowships

Regional anesthesia (n=3)
*Stanford, Virginia-Mason, Duke

Research (n=4)
*Stanford

Cardiac anesthesia (n=2)
*Stanford, UCSD

Pediatric anesthesia (n=2)
*Stanford, Baylor

ICU (n=2)
*Stanford

ENT/airway and OB (n=1 each)
*Stanford
2017 senior class
14 of 26 residents (56%) are doing fellowships

Regional anesthesia (n=3)
  Stanford

Pain (n=2)
  Stanford, UCSF

Palliative care (n=1)
  Cedars-Sinai

Cardiac anesthesia (n=2)
  Columbia, UCSD

Pediatric anesthesia (n=2)
  Stanford, CHOP

ICU (n=3)
  Stanford

OB (n=1)
  Cedars-Sinai
2018 senior class
13 of 22 residents (59%) are doing fellowships

Regional anesthesia (n=2)
  Stanford, Duke

Neuroanesthesiology (n=1)
  Stanford

Quality Improvement (n=1)
  Stanford

Cardiac anesthesia (n=5)
  Stanford x 3, Duke, Cedars

Pediatric anesthesia (n=2)
  Baylor, CHOP

ICU (n=1)
  Stanford

Research (n=1)
  Stanford
Stanford Anesthesia Fellows

ACGME (n=34)
- 7 pain fellows
- 6 pediatric fellows
- 10 anesthesia critical care (ACGME approved for 12)
- 4 cardiac (five fellows this yr)
- 3 OB
- 4 regional

Non-ACGME (n>15)
- 3 OR management
- advanced clinical MSD, neuro, or ENT
- LPCH QI
- physicians doing research fellowship
- Anesthesia informatics and media

Advanced Clinical Experience
- 1 peds pain
- 1 peds cardiac
Something else that makes Stanford great...

Alumni
Stanford Anesthesiology Graduates
Last 50 years (n=600+)

Out of state  32%
In California  68%
Stanford resident alumni board certification = 100%

<table>
<thead>
<tr>
<th>Class</th>
<th>Total</th>
<th>Certified</th>
<th>Not Certified</th>
</tr>
</thead>
<tbody>
<tr>
<td>2011</td>
<td>21</td>
<td>21 - 100%</td>
<td>0 - 0%</td>
</tr>
<tr>
<td>2012</td>
<td>20</td>
<td>20 - 100%</td>
<td>0 - 0%</td>
</tr>
<tr>
<td>2013</td>
<td>25</td>
<td>25 - 100%</td>
<td>0 - 0%</td>
</tr>
<tr>
<td>2014</td>
<td>25</td>
<td>25 - 100%</td>
<td>0 - 0%</td>
</tr>
</tbody>
</table>

National average 90%
24 of our graduates (many post fellowship) have joined the faculty over the past four years.
STANFORD ADVANCED AIRWAY MANAGEMENT AND FIBEROPTIC COURSE
Dollars and Cents

“Compensation”
Stipend allowances

- Moving allowance from hospital $3,000
- Housing stipend from department $3600/year
- Education stipend from hospital $1000/year
- Housing Stipend from hospital $6000/year
- Hospital GME bonus $2,000/yr (for parking, phone)
- Education stipend from dept $775/year as CA2 & CA3
- iPad mini as new resident
- ASA membership dues $75/year
- Call meal (dining dollars) $10 for each 12-hour call shift
- DEA registration $550
- California medical license & renewal fee $895 paid by GME
- USMLE part 1 fee (PGY 1 while under shc contract)
Benefits

• Hospital and major medical insurance
  – no charge for premiums, co-pays and deductibles waived for covered expenses at SHC/LCPH

• Dental insurance
  – free for children, spouse available at a residents/fellows expense

• Vision and mental health coverage

• Other
  – Lab coats and their laundry
  – Malpractice insurance (including tail coverage)
  – Disability insurance
  – Paid time off for illness and vacation
  – Use of certain University athletic facilities
Where do Stanford Anesthesia residents live?

- Cupertino: 1
- East Palo Alto: 0
- Fremont: 2
- Los Altos: 3
- Menlo Park: 10
- Mountain View: 15
- Palo Alto: 34
- Redwood City: 11
- San Francisco: 6
- San Jose: 1
- San Mateo: 6
- Stanford: 2
- Sunnyvale: 3
- Other: 6

Number of Trainees