Welcome to Stanford!

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New hospital atrium
Mission: To care, to educate, to discover.

Vision: Healing humanity through science and compassion, one patient at a time.
Stanford residency aims to:

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

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

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

• 3 year advanced (n=13 positions)
  – Affiliated internships
    – Santa Clara Valley (n=4)
    – SF Kaiser (n=2)

• 4 year categorical (n=12 positions)

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

• Combined medicine/anesthesia 5 year program (n=3 positions)
The clinical base year at Stanford as part of categorical anesthesia program

- 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., wards)
- 4 weeks of consult services (e.g., pulmonary, cardiology)
- Preoperative Anesthesia Evaluation Clinic
- 2 weeks acute pain rotation, 2 weeks CVICU rotation
- Monthly anesthesia module (START plus) including simulation workshops with other interns
- 4 wks vacation
Why Choose Stanford Anesthesia?

Great clinical care and great scholarship in the department lead to great education!
More reasons to choose Stanford Anesthesia...

The people you will train with and form a community with.
Become an exceptional anesthesiologist!
Becoming exceptional requires:

- 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
Santa Clara Valley County Hospital
## Stanford rotation schedule (mths)

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

<table>
<thead>
<tr>
<th>Category</th>
<th>ACGME Minimum Required</th>
<th>% above at Stanford</th>
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<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>
</tr>
<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>
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<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 (now on zoom)
All lectures are now on Zoom...
Mock OSCEs (pre-pandemic foto)
Education Committee meets monthly (now meetings are held via Zoom)
STANFORD ADVANCED AIRWAY MANAGEMENT AND FIBEROPTIC COURSE
Anesthesia Diversity Council

- Prioritize recruitment of diversity in housestaff
- Work with entire medical center on diversity recruitment
- Lead to improved faculty diversity
Recent initiatives

- Feedback Thursday
- Mock OSCE
- Perioperative rotation
- 15 minute lectures: 10am, noon & 2pm
- CA2 class QI projects
- Out of the OR rotation
- OR management scheduler rotation
- International rotations/Global health
Strengthening POCUS curriculum

- Two afternoons a week with dedicated attending teaching residents
- Support more faculty training in POCUS
- Launch the resident handbook
Stanford Anesthesia Faculty Teaching Scholars

Clemens Ortner: Point-of-care ultrasound teaching: implementing a curriculum on gastric and lung ultrasound
Romy Yun: Career planning & transition into private practice workshop

Quynh Dierickx: Reflective writing for anesthesia residents
Jen Basarab-Tung: “The Gas Lounge Newsletter,” an event reporting system for Stanford anesthesia residents
Phil Wang: An update to the orthopedic anesthesia rotation syllabus and curriculum
Elizabeth Koch: Anesthesia for vascular surgery: Developing a learning curriculum
Wellness Program

- **Peer Support and Resilience in Medicine [PRIME]:** Wellness program created for residents led by subgroup of faculty with expertise and dedication to cultivating trainee well-being
- Supportive department culture promoted by department leadership
- **Weekend off-site retreat with mindfulness-based curriculum for first year anesthesia resident class (n=25) led by PRIME faculty members**
- Wellness sessions with each class scheduled every 2-3 months during residency to promote work-life balance and sense of community
- Residents can apply for $1,500 scholarships to support wellness and resilience-related interventions
- Success of resident-based program led to expansion to fellowship programs
- Summer rafting trip for first year residents to continue building community (prepandemic)
- **Annual Ski Retreat in Lake Tahoe with wellness curriculum for all residents (prepandemic)**
The Stanford Anesthesia Wall Of Fame is an opportunity to recognize the great work of the Stanford anesthesiology residents!

**PROCLAMATION of the STANFORD Anesthesia Resident Wall of Fame**

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**NOTICE**

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of EXCELLENCE in ANESTHESIA

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**The Plant Picker**
Assisted with both a liver and kidney transplant during her first week of CA1 year!

**The Cool Cath Cat**
Excellent management of a surprise ASA 5E patient who coded in cath lab.

**The Heart Throb**
Commended for skills above her training level on the cardiac anesthesia rotation

**The Smoking Gun**
Stepped away from ASC scheduling to pinch hit multiple bloodbath liver cases!

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**REWARD OFFERED.** Seeking information on the whereabouts and ACTIVITIES of these and other notorious GASFOLK.

Last seen Block 1 2020. Approach with caution, known to carry large bore IV’s.
Society Resident Representatives

Gabriel Reyes
CA-3 ASA/CSA Representative

John Patton
CA-3 ASAPAC/GASPAC Representative

Anna Frackman
CA-2 ASA/CSA Representative

Anthony Sawyer
CA-2 ASAPAC/GASPAC Representative

Albert Lin
CA-1 ASA/CSA Representative

Kip Sawyer
CA-1 ASAPAC/GASPAC Representative
Where do residents go after Stanford?
Stanford Anesthesia
Class of 2000—where are they now?

• 50% community practice
• 50% academics
## Stanford graduate choices for fellowships

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<tr>
<td>Cardiac</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>5</td>
<td>3</td>
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<tr>
<td>Pain</td>
<td>4</td>
<td>2</td>
<td>2</td>
<td>1</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Pediatrics</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Research</td>
<td>4</td>
<td></td>
<td>1</td>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>ICU</td>
<td>1</td>
<td>2</td>
<td>3</td>
<td>1</td>
<td>5</td>
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<td>3</td>
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<td>2</td>
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<td>3</td>
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<tr>
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<tr>
<td>OB</td>
<td>1</td>
<td>1</td>
<td></td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>ENT/airway</td>
<td>1</td>
<td></td>
<td></td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Neuroanesthesia</td>
<td>1</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>
2019 senior class
15 of 24 residents (63%) did fellowships

Regional anesthesia (n=1)
Stanford

Pain (n=1)
Colorado

Cardiac anesthesia (n=3)
Stanford x 2, Oschner

Pediatric anesthesia (n=3)
Stanford x 2, Boston Children’s

ICU (n=5)
Stanford x 4, MGH

Research (n=1)
Stanford

OB (n=1)
Stanford
2020 senior class
14 of 28 residents (50%) did fellowships

Regional anesthesia (n=3)
Stanford, Cedars Sinai, UCSD

Pain (n=2)
Stanford, Cedars Sinai

Cardiac anesthesia (n=3)
Stanford, UCSD, UCLA

ICU (n=2)
Stanford x 2

Research (n=3)
Stanford

OB (n=1)
Stanford
Stanford Anesthesia Fellows

ACGME (n=38)
- 7 pain fellows
- 8 pediatric fellows
- 10 anesthesia critical care (ACGME approved=12) & 12 IM critical care
- 6 cardiac
- 3 OB
- 4 regional

Non-ACGME (n>15)
- OR management
- Simulation
- Global health
- Neuroanesthesia
- Packard Children’s Hospital QI
- Physician research postdocs
- Anesthesia informatics and media
- Medical education
Something else that makes Stanford great...

Alumni
Stanford Anesthesiology Graduates
Last 50 years (n=700+)

Out of state 32%
In California 68%
100% Board Certification Rate
24 of our graduates (many post fellowship) have joined the faculty over the past four years.
Dollars and Cents

“Compensation”
Stipend allowances

- Moving allowance from hospital $3,000
- Housing stipend from department $3600/year
- $1000 in July to cover cell phone charges, gas, parking
- Housing Stipend from hospital $6000/year
- Hospital educational allowance $2,000/year
- Education stipend from dept $775/year
- 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 step III fee (if Stanford PGY 1)
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
2015 senior class
16 of 25 residents (64%) did 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%) did fellowships

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

Research (n=4)
Stanford x 4

Cardiac anesthesia (n=2)
Stanford, UCSD

Pediatric anesthesia (n=2)
Stanford, Baylor

ICU (n=2)
Stanford

ENT/airway (n=1)
Stanford

OB (n=1)
Stanford
2017 senior class
14 of 26 residents (56%) did fellowships

Regional anesthesia (n=3)
  Stanford x 3

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 x 3

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

Regional anesthesia (n=2)
Stanford, Duke

Neuroanesthesiology (n=1)
Stanford

Quality Improvement (n=1)
Stanford

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

Pediatric anesthesia (n=2)
Baylor, CHOP

ICU (n=1)
Stanford

Research (n=1)
Stanford