

Stanford Pediatric Nephrology Program Description

The Stanford Pediatric Nephrology Fellowship is one of the oldest in the US. We currently train 2 fellows/ year for a total of 6 in the program at a time. Our goal is to train people to not just be competent clinical nephrologists but to be people who will be leaders in the field. We want to change the world.

We were just accredited for 4 years by the ACGME! We will be surveyed again by them in the fall of 2011.

CLINICAL

Your experience as a fellow is an intense first clinical year followed by 2 years where you can; 1) immerse yourself in some aspect of Pediatric Nephrology Research and 2) refine and mature your ability to lead a multidisciplinary team in the care of our patients.

The clinical experience includes exposure to and immersion in all aspects of inpatient and outpatient nephrology. We usually have one or two patients on CVVHD at any time. The inpatient service typically has 5-15 patients comprising our primary patients and consults. The inpatient team does on average 4 renal biopsies a week. We manage on average 20 dialysis patients-mixed equally between peritoneal dialysis and hemodialysis. As of April 2007 we just opened a brand new outpatient Dialysis and Pheresis Unit, with 6 stations and state of the art equipment. The dialysis program is growing! We provide the plasmapheresis service for the hospital. We do 20 kidney transplants a year; many of whom have come from other referring programs to benefit from our expertise in managing infants with ESRD.

All of our inpatients are covered by senior and junior residents (The 'Red Team') so as the **inpatient fellow** you function in a collaborative and supervisory capacity with the ward team. On clinical months where you are not on service, you may function as the '**Outpatient Fellow**', acting as the first line point of contact for referring physicians. You also serve as a **consultant** to the nurses serving our chronic patients (transplant, dialysis, and general nephrology). You will benefit and learn from their expertise in dealing with the problems of this population. Once a month all fellows participate in the **dialysis clinic** so you will see complications of dialysis develop over time and follow patients over the three years as they progress from CKD to dialysis and through to transplantation. You spend time in the transplant clinic during your 'Outpatient Fellow' months. Over your 3 years you will develop a caseload of your own patients in your **continuity clinic**. When new referrals come in, the fellows review them to get 'first crack' at patients that are interesting or with problems you feel you need to expand your expertise on.

EDUCATION

One afternoon a week we have 3 hours of meetings.

-One general nephrology hour to discuss unusual cases and sort out and review the evidence and approach to the new consult requests.

-One Education hour, where we discuss a topic from the literature, have a formal presentation, do a journal club or have a core lecture.

-One transplant hour, where we discuss ongoing transplant patients, evaluations and complications

Every Monday in the afternoon is a 1 hour Dialysis/Pheresis review.

Once a week there is a combined adult and pediatric nephrology core lecture. These lectures cover the basics of nephrology and comprise a 1 year curriculum. The lectures repeat yearly so if you miss it the first time because you are on service or vacation you can get the lecture the following year.

Every week at Fellow's clinic we have a case presentation over lunch.

Every Friday we have a 1 hour renal pathology review at noon and weekly signout rounds at 4 PM.

We have other meetings which include M&M or team meetings as needed on other days. The goal is to ensure that your education is comprehensive and well rounded.

You are strongly encouraged to take the yearly 'in training' Pediatric Nephrology Exam as a benchmark of your progress.

RESEARCH

During your first year we give you time to get to know the nephrology research community and determine your research focus for year 2 and 3. Even if you plan to be solely a clinical nephrologist, the time in the lab is invaluable to teach you to be an 'authority' on a nephrology topic and to learn an evidence based analytical approach that will serve you throughout your life as an academic physician. You are encouraged to pursue your interests in any basic or clinical science lab at Stanford. You are not required to limit yourself to Pediatric Nephrology or even Adult Nephrology labs for that matter. Recent fellows have worked in Bioengineering and with Cardiovascular Labs. Funding comes from multiple sources. We are participating with the Adult Nephrology Program in a T32 NIH Training Grant.

COLLEAGUES

One of the special things about this program is that we have a large number of very strong fellows who come from all over the country. Fellows learn from each other and the enthusiasm is contagious. Fellows also develop very close relationships that will last a lifetime.

FAMILY AND LIFE

Stanford University and environment has tremendous opportunities for culture, sports and recreation. We are short drive or train ride from downtown San Francisco, one of the world's great cities. To the West, there are beaches, miles of mountain trails to hike and surfing. To the East there is Yosemite... One of our current fellows has become an expert on weekend trips to the wine country... When he is not on call of course!

There are on campus opportunities to rent while you are a fellow.

Financial

The hospital pays a competitive salary, you are entitled to 4 weeks vacation a year, health care etc. The hospital reimburses you for your California Medical License/Renewal, and DEA certificate fees while an employee. You receive a new cell phone/PDA on arrival.

- Stanford reimburses \$3000.00 in moving expense/housing allowance
- You get \$2000.00/year to pay for educational expenses (books, computers etc).
- You get \$1000.00/year to pay for meals and mileage while on duty.
- Look at the fellowship handbook for more information.

Residency

American Citizens or Green Card Holders. We can sponsor a J1 Visa.
Unfortunately we are not able to sponsor fellows on an H1B visa.

Recent Outcomes (Where are they now?)

Annabel Chua, 2005. Wake Forest University

Marsha Lee, 2006. UCSF

Lauren Weintraub, 2007. Fairfax Innova Hospital DC

Sharon Su, 2008. Brown University

Scott Sutherland, 2008. Stanford University.

For further information go to

www.lpch.org/clinicalSpecialtiesServices/ClinicalSpecialties/Nephrology/nephrologyClinical.html

<http://pediatrics.stanford.edu/divisions/nephrology.html>

www.stanford.edu

<http://peds.stanford.edu/>

<http://www.stanford.edu/dept/hds/chs/index.shtml>

<http://stanfordwest.stanford.edu/>

As you can see, a Pediatric Nephrology Fellowship at Stanford provides a unique experience to become a well rounded pediatric nephrologist and to develop your strengths and interests with ample support by the faculty and staff during the training. Our program allows one to quickly develop a rapport and relationship with all the attending staff which will allow the fellow to develop their clinical skills to their utmost potential. Research opportunities in this large institution abound.

We hope you are interested and would be happy to discuss this fellowship with you further.

Interesting Educational Possibilities You Might Consider While At Stanford

Certificate Program in International Health for resident physicians at Stanford University Medical Center. We are pleased to offer this lecture series, sponsored through Graduate Medical Education, as an introductory course for medical professionals seeking formal instruction in international health care systems, basic tropical disease, and approaches to volunteering abroad. Lectures will be given by Bay Area leaders with diverse experiences in international health and disease.

Master of Science, Graduate Program in Epidemiology/Master's program in Epidemiology, which is oriented towards physicians anticipating academic careers in clinical research. The program fits in well with the School of Medicine emphasis on translational research.

It is a small program, housed within the Department of Health Research and Policy. From our perspective, the ideal candidate is in the fellowship stage of his or her training, or perhaps is already a junior faculty member. The core of the program is a three quarter biostatistical sequence and a three quarter sequence in epidemiological and clinical trial methods. Most students complete the 45 unit program in six quarters, but it is quite feasible to complete all requirements over a four quarter period of time. Many students maintain a limited clinical load while taking course requirements (e.g., a weekly clinic). In-patient attending duties, if required, are best done during the summer months. Applicants are responsible for Stanford tuition, which in the past has come from training grants, K-awards, discretionary funds within the applicant's home department, or simply out-of-pocket. ** There is funding for 2 positions in the new Stanford Center for Clinical and Translational Education and Research (SCCTER)**
<http://med.stanford.edu/epidemiology>

This is an example of the general organization of the Fellowship years.
 First Year of Pediatric Renal Fellowship

July		August	September	October		November	December
Outpatient 1	Inpatient 1	Outpatient2	Research 1	Outpatient 1	Inpatient 1	Inpatient 2	Outpatient 3

January	February	March	April	May	June
Research 1	Inpatient 1	Renal Pathology Pediatric Urology	Inpatient 1	Research 1	Inpatient 2

- 1) Outpatient 1 – 1 month
 - a) Daily Clinics, Monday-Friday
 - b) Renal Transplant Clinics: Monday and Thursday
 - c) Assist on-call physician with outpatient renal transplant management (daily).
 - d) General Pediatric Nephrology: Tuesday and Wednesday
 - e) Continuity Clinic (fellow panel): ½ day per week Tuesday or Wednesday morning
 - f) Urgent visits: Friday
 - g) No inpatient call obligation

- 2) Outpatient 2 - 1 month
 - a) Daily Clinics: Monday-Thursday
 - b) Renal Transplant Clinics: Monday and Thursday
 - c) Assist on call physician with outpatient renal transplant management (2 days/week)
 - d) General Pediatric Nephrology Tuesday or Wednesday
 - e) Continuity Clinic (fellow panel): ½ day per week Tuesday or Wednesday morning
 - f) Dialysis: ½ day per week, Tuesday or Wednesday afternoon (one attending dedicated to dialysis teaching during this month)
 - g) No inpatient call obligation

- 3) Outpatient 3 – 1 month
 - a) Special Outpatient Rotation

- b) Pediatric Nephrology Clinics 1½ days a week
 - c) Renal Transplant Clinic: Thursday
 - d) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - e) Radiology – 3 days
 - f) Nuclear Medicine – 3 days
 - g) Interventional Radiology – 3 days
 - h) Dialysis – 3 days (mechanics of dialysis)
 - i) On call 2 weekends/month
 - j) Weekend First call Friday and Sunday
- 4) Inpatient 1– 3 months
- a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call every other weekend
 - c) First call Monday Wednesday Thursday where weekends are off.
 - d) First call Monday Wednesday and Friday when on weekends
- 5) Inpatient 2 – 2 months
- a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call one weekend/month.
 - c) First call Monday Wednesday Thursday where weekends are off.
 - d) First call Monday Wednesday and Friday when on weekends
- 6) Research 1 – 3 months
- a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call one out of every three weekends.
 - c) Weekend First call Friday and Sunday
- 7) Renal Pathology – 2 weeks
- a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call every other weekend
 - c) Weekend First call Friday and Sunday

- 8) Pediatric Urology – 2 weeks
 - a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call one weekend/month
 - c) Weekend First call Friday and Sunday

- 9) Expectations
 - a) Attendance at one large Nephrology meeting

First Year Totals: Outpatient/Renal Pathology and Pediatric Urology: 4 months, Inpatient: 5 months, Research: 2 months, Vacation: 1 month (taken during research and outpatient clinic times). Vacation may be taken in 1-2 week blocks.

Second Year of Pediatric Nephrology Fellowship (2005)

July	August	September	October	November	December
Research 1	Research 1	Research 2	Inpatient 3	Research 1	Research 1

January	February	March	April	May	June
Research 1	Inpatient 3	Research 2	Research 1	Research 1	Research 1

- 1) Research 1 – 8 months
 - a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call one out of every three weekends.
 - b) Weekend First call Friday and Sunday

- 2) Research 2 - 2 months
 - a) Renal Transplant Clinic: ½ day per week, Thursday
 - b) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - c) On call one out of every three weekends.
 - d) Weekend First call Friday and Sunday

- 3) Inpatient 3 – 2 months
 - a) Team Leader (during rounds)
 - b) On call one weekend/month.
 - c) Weekend First call Friday and Sunday

- 4) Expectations
 - a) Attends 2 Nephrology meetings
 - b) Presents research at one meeting
 - c) One case-report type publication
 - d) One peer reviewed publication

Second Year Totals: Outpatient: 0 months, Inpatient: 2 months, Research: 7 months, Vacation: 1 month (taken during research times)

Third Year of Pediatric Renal Fellowship (2006)

July	August	September	October	November	December
Research 3	Research 3	Research 3	Research 3	Research 3	Research 2

January	February	March	April	May	June
Inpatient 3	Research 3	Research 3	Research 4	Research 4	Research 4

- 1) Research 2 – 1 month
 - a) Renal Transplant Clinic: ½ day per week, Thursday
 - b) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - c) On call one out of every three weekends.
 - d) Weekend First call Friday and Sunday

- 2) Research 3 – 7 months
 - a) Continuity Clinic: ½ day per week, Tuesday or Wednesday morning
 - b) On call one weekend per month.
 - c) Weekend First call Friday and Sunday

- 3) Research 4- 3 months
 - a) No Continuity Clinic expectations
 - b) On call one weekend per month.
 - c) Weekend First call Friday and Sunday

- 4) Inpatient 3 – 1 month
 - a) Team Leader (during rounds)
 - b) On call one weekend/month.
 - c) Weekend First call Friday and Sunday

- 5) Expectations
 - a) Attends 2 Nephrology meetings
 - b) Presents research at both meetings
 - c) Two peer reviewed publications

d) Involvement in one national organization (UNOS, NAPTRCS, etc)

Third Year Totals: Outpatient: 0 months, Inpatient: 1 month, Research: 11 months, Vacation: 1 month (taken during research times)
