

CTSNet Program Profile Questionnaire

PROGRAM DETAILS

1. Names of the
 - a. Program director: **David D. Yuh, MD**
 - b. Chief(s) of cardiac division: **David D. Yuh, MD**
 - c. Chief(s) of thoracic division: **Frank Detterbeck, MD**

2. Program Contact information:

Program Coordinator: **Suzanne Giannotti** suzanne.giannotti@yale.edu

Address: **Yale University Cardiac Surgery
330 Cedar Street, Boardman 204
PO Box 208039
New Haven, CT 06520-8039**

Phone: **(203) 785-6258**

3. Link to your program's website: <http://yalesurgery.med.yale.edu/cardio>

4. Indicate the # of residents accepted per year to your program: **2**

5. Indicate the length of the program: **2 years**

6. Does your program have separate cardiac and thoracic tracks? **No**

7. Indicate the approximate deadline for application and interview dates:
 - a. Deadline: **January 31**
 - b. Interview dates: **March, April**

To qualify for admission to the program the applicant must have completed a full residency in General Surgery accredited by either the Accreditation Council for Graduate Medical Education (ACGME) or the Royal College of Physicians and Surgeons of Canada. All applications are to be submitted through ERAS, and we participate in the Thoracic Surgery National Resident Matching Program. It is expected also that the applicant will have had some experience on a cardiothoracic service during that period. Research experience and long-term commitment to investigative work are sought in residency applicants.

CASE VOLUME

1. Please indicate the average number of cases per year performed in your program for the following ABTS categories:

	Total Institution Cases	Total Cases per Resident
Total number of cardiac cases:		
Total number of thoracic cases:		
Congenital heart disease:		
Acquired valvular heart:		
Valve repairs:		
Myocardial Revascularization:		
Aorta:		
Pneumonectomy, lobectomy, segmentectomy:		
Esophagus resection:		
Benign Esophageal Disease:		
Heart transplants:		
Lung transplants:		
Ventricular assist device:		
Minimally invasive cardiac:		

CURRICULUM

1. Details of curriculum:
 - a. Indicate the # of months on each rotation for each year (for each cardiac and thoracic track if applicable), and which hospital(s):

One first year cardiothoracic resident spends six months the first year on the Thoracic Surgical Service, participating in the operations performed on the service and carrying out operative procedures commensurate with training. The other cardiothoracic first year resident rotates for six months at the West Haven Veterans Administration Hospital. Seven Physician's Assistants and five Nurse Practitioners add greatly to the quality of care on the wards, CTICU, and in the operating room.

The second year experience is organized into one six-month rotation at the Yale-New Haven Hospital on adult cardiac surgery; one four-month rotation on pediatric cardiac surgery; and a two-month rotation during that block for either thoracic and/or adult cardiac surgery. This two-month rotation will allow the Chief Resident to get additional exposure to the pathway of their choice. Senior residents are appointed as Instructors on the faculty and play a vital role with the faculty in the instruction of Yale medical students and surgical residents on the patient care divisions of the teaching hospitals. They also enjoy certain faculty privileges accompanying this rank. A broad and balanced experience in cardiac and general thoracic surgery is assured.
 - b. Please describe any opportunities for electives: One month endovascular elective on other Yale services.
 - c. Please describe any wet labs and simulation technology used in training and how frequently these are used: Hands on large animal wet labs.
 - d. Please briefly describe the number and type of weekly conferences residents are expected to attend:

Conferences include a weekly tumor board conference, a weekly lecture/seminar in cardiac and thoracic surgery and related basic science aspects, a cardiac and thoracic surgery mortality and morbidity review conference, a combined pediatric cardiology, radiology and cardiac surgery conference reviewing all children studied during the previous week, a weekly cardiac transplant conference, and the Department of Surgery Grand Rounds.
 - e. Please indicate what provisions are made for attending national research meetings (i.e., # per year for which funding is provided, and if that is dependent on presenting an abstract).

Cardiothoracic Surgery residents are funded by the Section to attend at least one major meeting each year. Also, any resident who has a paper or abstract accepted for presentation will be provided funding to attend that meeting.
 - f. Please describe opportunities for research (clinical, basic science):

Members of the Section conduct an active research program involving basic science and clinical problems in cardiothoracic surgery. The research activities cover a broad array of cardiac and thoracic physiology and pathology. Well-equipped laboratories are available. These activities provide opportunities for animal operations and work in biochemistry and electronics. The laboratories are staffed by several full-time basic scientists and surgical research fellows, and by other appropriate technical personnel. Although the two year program provides little time for active research other than on clinical problems, research fellowships are also available and development of an academic career in cardiothoracic surgery is supported and encouraged.
 - g. Please describe the call structure (i.e., frequency, in-house vs. home call): One in five night in house call
 - h. Please indicate whether funds are provided for loupes? Funding of \$1,000 per resident for loupes is provided. Textbooks are provided to the residents and to the residents call-room.
2. Subjective:
 - a. Please describe your program's biggest strengths.

Cardiothoracic Surgery residency program at Yale is designed to train the future surgical leaders proficient in the broad spectrum of cardiac surgery. The emphasis is on innovation and skills acquisition in the cutting edge techniques that cardiothoracic surgery has to offer. The work environment is resident-friendly and is extremely collegial. The close working relationship between the sections of thoracic surgery and vascular surgery means enriching the resident's experience with training in endovascular skills (including TEVAR) and minimally invasive thoracic surgery. Being one of the centers of excellence for thoracic aortic disease, the surgical experience thus gained is

unrivalled. In addition, a busy minimally invasive cardiac surgery program and robotic program is designed to be complimentary to the adult cardiac surgical experience. A rapidly growing heart failure and mechanical circulatory program further enriches the operative experience in this rapidly advancing field. The goal of the residency program is to produce a well rounded cardiothoracic surgeon with broad skill base able to adapt to an academic or private sector of their choosing.

Special thanks to Dr. Pramod Bonde, Dr. David Yuh and Dr. John Elefteriades for their contributions to this article.