STONY BROOK UNIVERSITY MEDICAL CENTER
Pulmonary & Critical Care Fellowship Program
AAMC ID 1563521106

STONY BROOK UNIVERSITY MEDICAL CENTER
PULMONARY & CRITICAL CARE FELLOWSHIP PROGRAM HIGHLIGHTS

• Stony Brook University Hospital and the Northport Veterans Affairs Hospital are the two main sites for clinical training.

• Stony Brook University Hospital is the only level 1 trauma center and tertiary care referral center in Eastern Long Island.

• We offer a dedicated curriculum specifically designed to promote practical and evidence-based understanding of Pulmonary & Critical Care Medicine, meeting all the requirements of the ACGME for board certification.

• Conferences and lectures include: clinical case conferences, ultrasound rounds, simulation exercises, radiology/oncology/pathology conference, journal club, and research conferences.

• We offer a comprehensive 2 week “bootcamp” orientation for the first year fellow free of clinical responsibilities. Orientation includes basic topic lectures, simulation workshops, cardiac arrest training, procedural training, a formal bedside ultrasound course.

• In the second year of fellowship we have a full-year faculty-mentored research experience in clinical or basic science at either Stony Brook University Hospital or the Northport Veterans Hospital.

• Elective rotations in Interventional Bronchoscopy, Advanced Ultrasound, CTICU, SICU/Trauma, Anesthesia, Sleep, Pulmonary Function Testing and Cardiopulmonary Exercise Testing.

• Three year comprehensive longitudinal training in bedside ultrasound and echocardiography.

INFORMATION FOR APPLICANTS

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Visit us at: http://medicine.stonybrookmedicine.edu/medicine/pulmonary/fellowship
HIGHLIGHT: ULTRASOUND TRAINING

Sahar Ahmad, MD
Director of Pulmonary Ultrasound & Ultrasound Research
Director of Simulation Medicine
Chair Cardiac Arrest Education

Formal Comprehensive Critical Care Ultrasound Training in ultrasound for:
- Procedural guidance for advanced access and pleural procedures
- Hemodynamic monitoring & management of shock state
- Chest US & management of respiratory failure
- Cardiac arrest
- Personalized learning and assembly of a personal portfolio of images
- Advanced echocardiography

HIGHLIGHT: LUNG CANCER & INTERVENTIONAL BRONCHOSCOPY

Muhammad Perwaiz, MD
Director of Interventional Pulmonary
Co-Director of LCEC

Fellows will rotate in the Lung Cancer Evaluation Clinic (LCEC) and participate in initial diagnosis, follow-up and management of patients with lung cancer and pulmonary nodules. During their interventional bronchoscopy rotations, fellows will perform basic and advanced bronchoscopy techniques including:
- Inspection bronchoscopy, Bronchial alveolar lavage, Transbronchial biopsy
- Wang needle Lymph Node biopsy of mediastinal LN
- Endobronchial Ultrasound [EBUS]
- Super Dimension Navigational Bronchoscopy
- Cryoablation, Argon Laser Ablation, Endobronchial Valve Placement
- Tracheal stenting
- Rigid Bronchoscopy
- Bronchial Thermoplasty
- Pleuroscopy, Pleural biopsy, Indwelling Pleural catheter placement

HIGHLIGHT: PULMONARY HYPERTENSION & CENTER FOR INTERSTITIAL LUNG DISEASE

The Stony Brook Center for ILD is a nationally recognized center and part of the Pulmonary Fibrosis Foundation’s Care Center Network. We provide comprehensive diagnosis and management of patients with ILD and run the Suffolk County Pulmonary Fibrosis Support Group for patients and their families. Our center functions together with the Departments of Radiology, Pathology, Rheumatology and Thoracic Surgery. Dr. Anthony Brehm is the Director of this Center.

The Pulmonary Hypertension Center is co-Directed by Dr. Paul Strachan and Dr. Jignesh Patel, they offer an interdisciplinary and multifaceted approach to diagnosing and managing patients with Pulmonary Hypertension. This includes evaluation of the patient by Right Heart Catheterization, Cardio- pulmonary exercise testing and 6-minute walk.

The fellow gains invaluable experience in these subspecialties under the direct guidance of Dr. Paul Strachan, Dr. Jignesh Patel & Dr. Alpa Desai.
HIGHLIGHT: PROCEDURE SERVICE

A service dedicated to performing and managing pulmonary and critical care procedures; The fellow will perform the following procedures and gain expertise in managing the associated conditions:

- Intubation
- Percutaneous tracheostomy
- Thoracentesis
- Chest Tubes
- Central Lines, Arterial Lines
- Hemodialysis Catheters
- Paracentesis
- Lumbar Punctures
- Pleural biopsy
- Fine needle aspiration

HIGHLIGHT: CARDIAC ARREST AND RESUCITATION MEDICINE

Our division is leading the way in innovations for intra- and post-cardiac arrest treatment protocols. We have a robust experience for fellows including a Simulation training, and one of the most active cardiac arrest research programs in the nation, headed by Dr. Jignesh Patel.

Our clinical and research programs in cardiac arrest include the use of mechanical CPR, nitric oxide, EtCO2, Cerebral Oximetry, EEG monitoring and bedside ultrasound. Working alongside Dr. Jignesh Patel and Dr. Sahar Ahmad, all clinical and select research fellows are at the forefront of these innovations and graduate as regional experts in Cardiac Arrest.

HIGHLIGHT: EXTRACORPOREAL MEMBRANE OXYGENATION [ECMO]

Stony Brook University Medical Center is a center for acute respiratory failure and offers adult Extracorporeal Membrane Oxygenation [ECMO] program. Fellows who rotate through the Medical Intensive Care Unit and consultation service serve as part of the team to help screen potential ECMO candidates as well as participate in management of ECMO patients in the Cardio-Thoracic Intensive Care Unit.

We are the only adult ECMO program on Long Island.