Neuroradiology Fellowship at Stony Brook

Overview of the Program
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Neuroradiology Fellowship Program Director
Neuroradiology Fellowship Program

- ACGME accredited 1 year program
- 1 Fellow accepted per year
- Rotations include CT and MRI of the brain, head and neck, and spine in both the adult and pediatric population
- Rotations simulate the realistic work-flow schedule of an attending neuroradiologist
- Time shared between Diagnostic Radiology and Neurointerventional/IR radiology

Staff
- Lev Bangiyev DO - Co-Section Chief Neuroradiology
- Bob Peyster MD - Co Section Chief Neuroradiology
- Avraham Bluestone MD/PhD - Neuroradiology Fellowship Program Director
- Giuseppe Cruciat MD – Associate Neuroradiology Fellowship Program Director
- Steve West DO - Faculty and former Neuroradiology fellow
- Anton Beitia MD - Core Faculty for Neuroradiology Fellowship
- Patricia Roche DO - Core Faculty for Neuroradiology Fellowship
Why Stony Brook?

• **No competition** amongst fellows for cases - 1 fellow per year
• Abundance of diagnostic neuroradiology case volume and procedure opportunities
• Both Adult and Pediatric Neuroradiology cases are read by Neuroradiology section
• High volume and complex pathology – fellowship training should be immersive, engaging and hectic, and that’s a good thing - well prepared for the real world
• **ACGME accredited** program means you will NOT be asked to cover ER or non-neuroradiology section on-call coverage as an ‘Attending’ level radiologist
• One of **highest paid** fellowship posts in the country
• Experience both Academic and Private Practice radiology settings
• Exceptionally varied and unique pathologies from a wide diverse spectrum of the population
Fellow will be working at these 3 sites:

- Stony Brook University Hospital
- Outpatient Imaging Center at Stony Brook Road
- Outpatient Imaging Center at Commack

Satellite hospitals and imaging centers at Southampton, Greenport, Riverhead, and Hampton Bays. Studies are read remotely. **Fellow does not travel there.**
Virtual tour of Stony Brook University Hospital
Receive entry code on acceptance, now just sneak peek
Outpatient Training Sites

• Stony Brook Advanced Imaging (outpatient imaging centers) at Stony Brook Road and Commack

X-ray, CT, MRI, PET, Ultrasound

Fluoroscopy suite

Outpatient procedures with attending supervision
Duties and responsibilities

- You will be responsible for presenting cases at:
  - Neurosurgical Tumor Board with neuro-oncology service (every 1st and 3rd Tuesday morning at 7 am)
  - Head and Neck Tumor Board with ENT surgery department (Every Tuesday morning at 7 am)
  - Monthly Neurology case conference and fellow teaching conference

- **Case conference** and **Didactic lecture** for Stony Brook Radiology Residents

- Daily Neuroradiology Section Case conference (or Fellow teaching conference)

- Informal teaching of Radiology Residents and rotating Medical Students in the Reading Room
Duties and responsibilities

• Neuro Interventional procedures
  • Manage consultations from in-house physicians for inpatient procedure requests
  • Discuss indications with requesting physician
  • Pre-procedure documentation in EMR (CERNER)
  • Perform procedure with Neuro or IR attending
  • Post-procedure documentation in EMR
  • Dictate procedure report on PowerScribe 360 Reporting software

• Schedule and perform outpatient Neuro procedures with Neuro or IR attending
Duties and responsibilities

- Dictation of Neuroradiology cases, mainly CT and MRI, but also X-ray spine
- Manage consultations from requesting physicians for “wet read” as well as review of cases that have already been read for clarification
- Dictate “second opinion” consultation for outside imaging studies
- If you see any critical finding that needs to be urgently communicated to requesting physician or important incidental finding that needs special attention by requesting physicians, you shall call them by telephone and discuss the findings, and document it in your report. If you are not sure, but suspect something may needs verbal communication, then ask Neuroradiology attending then call the physician.
- Do not wait until the attending “read-out”. You will become more confident in doing this as you gain more experience once you start fellowship.
Duties and responsibilities

- Weekend calls for Neuroradiology service
  - You will be assigned weekend calls (8 AM - 3 PM or 3 PM - 10 PM, Saturday and Sunday) when one of the Neuroradiology attendings is scheduled for the weekend shift
  - Currently, frequency is one weekend a month (but this may be subject to change in the future)
  - Fellow will dictate Neuro cross-sectional studies (CT and MR) from ER and inpatients first, then outpatient studies
  - Fellow is protected by ACGME duty-hour restriction just like residents, and thus there is always one day off per every seven days (post-call Monday after a weekend shift) – a big advantage of ACGME accredited fellowship
  - Every report you dictate will need to be signed off (“approved”) by attending radiologists.
  - You will NOT do stand alone ER-coverage at an attending level (you cannot issue a ‘final report’ yourself)
Types of procedures

• IR service
  • Kyphoplasty
• Any procedure under sedation or GA
• Any procedure when Neuroradiology attending not available

• Neuroradiology service
  • Fluoroscopic lumbar puncture
  • Fluoroscopic myelogram and CT myelogram
  • Intrathecal chemo injection
  • Diamox injection and interpretation of CT perfusion
Our PACS

- PACS – GE Centricity, integrated with Work Flow Manager (RIS and EMR integrated)
Daily Schedule (SB University Hospital)

- 7:00 am – Morning conference (1-2x per week)
- 8:00 am – Dictation of Neuroradiology cross-sectional cases
- 9:00 am – Procedure in IR (Kyphoplasty or LP/Myelogram) when available
- 11:00 am – Dictation of Neuroradiology cross-sectional cases
- 12:00 pm – Didactic lecture for radiology residents on Neuroradiology topic, followed by lunch break
- 1:00 pm – Dictation of cross-sectional studies, advanced imaging, and X-ray cases
- 3:45 pm – Daily interesting cases
- 5 pm – Make sure all “Stat” ER, Inpatient and Outpatient cases are dictated before the end of day and ask Neuroradiology attending to sign them off
- Twice a week your schedule will be replaced with a staggered 12-7:30 PM or 3 – 10 PM shift (attending coverage is always provided 24/7)
Dictation on PowerScribe

• Neuro MRI – Standardized templates for CT and MRI of brain, head and neck, and spine are available. Encouraged to use the templates but not mandatory (not all attending radiologists use templates, but report based on templates do help facilitate read-out by attending).

• Neuro X-rays – Standardized templates available

• IR procedure dictation – Different attending radiologists use their own personalized templates, so you can find the one that suits you and your attending.
Scholarly activities

• Quality Improvement Project
  • Just like the one you had to do for your residency
  • Highly encouraged to start early and aim to present at ASN, ASHNR, ARRS, RSNA and/or ACR (funding available to attend conference if met qualifying criteria)

• Scientific study or Educational exhibit
  • Aim for presentation at American Society of Neuroradiology, ASHNR, American Roentgen Ray Society, and RSNA
  • You will become a Fellow member of ASN after you begin your fellowship
Help and support

• Fellowship is meant to be intense and stressful at times, but you have our support during the entire process.
• An “easy” and “relaxing” fellowship year will NOT prepare you for life ahead as an attending radiologist.
• The more frequently you encounter difficult cases and situations during the fellowship year and learn how to handle and manage them, the better off you will be.
• This includes the ability to ‘multitask’ at times, and ‘prioritize’ tasks according the order of urgency and importance.
• If any issues or problems arise, you are encouraged to approach your program director early so that we can address them expeditiously.
• Residents at Stony Brook are always helpful at the start of your training, especially pertaining to practical issues like how to use PACS, EMR, how to contact someone by phone, or how to look up a schedule, etc… Use their services to your advantage and reciprocate by teaching them along the way.
Good luck with the Match and hope you find a program that suits your needs best

If you need any additional information, please don’t hesitate to contact the Program Director:

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