Overall goal

- This required clinical clerkship aims to provide students with basic knowledge and skills in clinical neurology, building upon previous neurological exam skills and clinical neuroscience knowledge acquired during the first two years at Dartmouth Medical School.
DMS Neurology Clerkship

- 4 week block assigned in lottery
- 3\textsuperscript{rd} or 4\textsuperscript{th} year, usually 4\textsuperscript{th}
<table>
<thead>
<tr>
<th>Site</th>
<th>Max #</th>
</tr>
</thead>
<tbody>
<tr>
<td>DHMC ward/consult</td>
<td>6</td>
</tr>
<tr>
<td>DHMC pediatric neuro</td>
<td>1</td>
</tr>
<tr>
<td>White River VA</td>
<td>1</td>
</tr>
<tr>
<td>Manchester DHC</td>
<td>1</td>
</tr>
<tr>
<td>CPMC</td>
<td>1</td>
</tr>
</tbody>
</table>
DMS Neurology Clerkship
Site information
DHMC Neurology clerkship

- Primarily inpatient/ED, some clinic
- 2 weeks on general neurology team
- 2 weeks on vascular neurology team
DHMC Pediatric Neurology clerkship

• Designed for students planning on pediatric career
• Director – Dr Richard Morse
• 4 weeks on the DHMC Pediatric neurology service – inpatient and clinic experiences
Dartmouth Hitchcock Neurology
Manchester/Bedford, NH

• Primarily outpatient experience in a large neurology practice with 4 adult and 2 pediatric neurologists
• Director – Gerry Indorf, MD
• Housing in Concord or Nashua
WRJ VA Neurology clerkship

• Outpatient neurology experience with some inpatient consultative neurology
• Director – Dr Seth Kolkin
CPMC Neurology clerkship

• At the CPMC system in SF
• Director Jack Rose, MD
• Both inpatient and outpatient experiences with stroke, neuromuscular and epilepsy exposure highlighted
DMS Neurology Clerkship
Expectations

- Neuro examination proficiency
- Neuro case presentations
- Chart notes including write-ups
- Directed reading
- Conference attendance
DMS Neurology Clerkship
Expectations

• Night call – 5-10 PM DHMC (except Manchester & CPMC)
• No weekend call
DMS Neurology Clerkship
Conferences at DHMC

- Neuroradiology
- Neuro-ophthalmology
- Neuromuscular
- Epilepsy
- Headache
- Behavioral Neuro
- Pediatric Neurology
- Neuropathology
- Student / Intern lecture series
- Case conferences
- Mega rounds
- Grand rounds
DMS Neurology Clerkship
Conferences

Student lecture series
1. Neuro exam and localization
2. Delirium and Coma
3. Stroke
4. Neurological infections and MS
5. Epilepsy
6. Headache and Head trauma
7. Movement disorders, Ataxia and Dementia
8. Neuromuscular disease and Spinal cord
DMS Neurology Clerkship

optional

- Mega rounds presentation
- Research involvement
- AAN Neurology student prize
DMS Neurology Clerkship Evaluation

- Supervising attending and resident eval – 70%
- Write ups – 10%
- Written exam - 20%
  - Shelf examination
DMS Neurology Clerkship Evaluation

• Feedback
  1. Face to face - Midpoint and end of clerkship
  2. Summative final narrative summary and grade
Faculty Development

- All faculty receive yearly
  - Grading guidelines
  - Grading write up guidelines
  - Updates on changes in objectives
- Education Retreat – continuing improvement
  - Results – grades
  - Results – Shelf exam scores
  - Evaluations
Resident teacher Development

• All residents receive (yearly)
  – Grading guidelines
  – Grading write up guidelines
  – Updates on changes in objectives

• Education Retreat – continuing improvement
  – Chief residents attend

• Residents as Teachers course – late spring
  – 4 hr-long didactic and hands on learning sessions
Site to site comparison – universals and differences

<table>
<thead>
<tr>
<th></th>
<th>DHMC</th>
<th>DHMC Peds</th>
<th>WRJVA</th>
<th>Bedford DHC</th>
<th>CPMC</th>
</tr>
</thead>
<tbody>
<tr>
<td>DMEDS</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Skills</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Neuro exam</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
<tr>
<td>Night call DHMC</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conf s</td>
<td>+</td>
<td>+/-</td>
<td>virt</td>
<td>virt</td>
<td>virt</td>
</tr>
<tr>
<td>Shelf exam</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
<td>+</td>
</tr>
</tbody>
</table>
Clinical Neurology Subject Examination

Performance of First-Time Takers During the 2010-2011 Academic Year
8/1/2010 – 7/31/2011

Medical School: 030010 Dartmouth Medical School

<table>
<thead>
<tr>
<th>Candidate Group</th>
<th>Academic Year Clerkship Rotations</th>
<th>Number of Examinees</th>
<th>Total Test Mean (SD)</th>
</tr>
</thead>
<tbody>
<tr>
<td>First-Time Takers From Your School</td>
<td>All Clerkship Rotations</td>
<td>77</td>
<td>78.9 (6.2)</td>
</tr>
<tr>
<td>Comparison Group</td>
<td>All Clerkship Rotations</td>
<td>10,269</td>
<td>74.9 (7.6)</td>
</tr>
<tr>
<td>Comparison Group</td>
<td>3 Week Rotations</td>
<td>991</td>
<td>75.5 (8.2)</td>
</tr>
<tr>
<td>Comparison Group</td>
<td>4 Week Rotations</td>
<td>7,133</td>
<td>74.9 (7.5)</td>
</tr>
<tr>
<td>Comparison Group</td>
<td>Combined Rotations</td>
<td>1,961</td>
<td>73.3 (7.6)</td>
</tr>
<tr>
<td>Comparison Group</td>
<td>Traditional Rotations</td>
<td>6,671</td>
<td>75.4 (7.5)</td>
</tr>
</tbody>
</table>

*The comparison group includes first-time takers from LCME-accredited medical schools who took a paper form of this examination as a final clerkship examination administered under standard testing time.
1. Diseases of the Nervous System & Special Senses
2. Diseases of the Musculoskeletal System
3. Mechanisms of Disease
4. Diagnosis
5. Health Maintenance and Management
6. Ambulatory
7. Emergency Department
8. Male
9. Female
10. Geriatric
Faculty appointments

- DHMC - all have Full time academic appts
- DHMC Preds – Dr Morse – full time appt
- WRJ VA – Dr Kolkin – full time appt pending
- Manch DHC – Dr Indorf full time appt, others either full-time, adjunct or adjunct pending
- CPMC – Dr Rose – pending; others adjunct pending
Upcoming changes/activities

- Increased clinic experience for DHMC students
- RAT course for Neuro residents
- Discuss student evaluations, shelf scores, and curriculum in Education Retreat Spring 2012
- DMS curriculum redesign – Include neurology early in the students’ core inpatient training
DMS Neurology Clerkship

The end