CLINICAL ASPECTS OF SPEECH AND HEARING COURSE
SHBT 202

Spring Term 2014

Students:  
Peter Bowers  
Sarah Gluck  
Claire Cordella  
Darcy Frear  
Claire Schenkel  
Kevin Sitek

Dates To Note:  
Tuesday, January 28  
Orientation to Class
Monday, February 17  
Holiday – Presidents’ Day
February 22-26  
ARO Meeting, San Diego
Mon-Fri, March 15 - 23  
Spring Vacation
Tuesday, May 13-14  
Final Exam
Other
Mondays & Wednesdays, 9:30-11:30  
Neural Coding
Tuesdays & Thursdays, 11-12:30  
Speech Communication

Introductory Classes:  
Tuesday, January 28
7:00 am  
Overview - Meet the Faculty  
4th floor Conference Room
2.30 pm  
Employee Health Appointment (Lobby) – flu shots for all
5:00 pm  
Orientation to clinics & otology exam - Dr. Stankovic  
2nd floor, Otology

Wednesday, January 29
5:00 pm  
First Lecture – Vestibular Lecture #1  
4th floor Conference Room

Thursday, January 30
4:30 pm  
Orientation to Operating Room & head/neck exam – Dr. Song  
OR Lounge, 6th floor

Course Directors:
Joseph B. Nadol, Jr., M.D.  
Konstantina Stankovic, M.D., Ph.D.

Course Coordinators:
Dianna Sands, EPL  
x33765
Barbara Beckman-Beard, ENT Education  
x33654
ORGANIZATION OF COURSE

Overview:
Part of the Course will consist of exposure to clinical patients in the outpatient department of the Infirmary and to surgeries in the operating room. In addition, each week there will be didactic lectures on topics relative to clinical care in head and neck and otology.

Another portion of the Course will be didactic lectures, laboratory exercises and clinical observations in the areas of Audiology, Speech-Language Pathology, and Vestibular System.

Didactic Lectures:
Two evenings a week are devoted to didactic lectures on topics related to the subspecialty areas mentioned above. Complete schedules are appended.

Mondays: Audiology / Speech Pathology – 4th floor Conference Room
Wednesdays: Otology / Vestibular / Head and Neck-Laryngology – 4th floor Conference Room

Clinical Exercises:

Outpatient Sessions

<table>
<thead>
<tr>
<th>Subspecialty</th>
<th># hrs required</th>
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<tbody>
<tr>
<td>Otology</td>
<td>4</td>
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<tr>
<td>Head&amp;Neck/Laryngology</td>
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<tr>
<td>Pediatric otolaryngology</td>
<td>elective</td>
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<td>Otoneurology- Drs. Lewis or Priesol</td>
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</tr>
<tr>
<td>Audiology</td>
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Operating Room

<table>
<thead>
<tr>
<th>Otology</th>
<th># cases required</th>
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<tr>
<td>Stapedectomy</td>
<td>1</td>
</tr>
<tr>
<td>Mastoidectomy/Tympanoplasty</td>
<td>1</td>
</tr>
<tr>
<td>Cochlear implant</td>
<td>1</td>
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<tr>
<td>Phonosurgery/ Endoscopy including laser</td>
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</tr>
<tr>
<td>i.e. SML (suspension microlaryngoscopy)</td>
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<tr>
<td>Thyroplasty - medialization laryngoplasty</td>
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<tr>
<td>Ablative orofacial surgery</td>
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</tr>
<tr>
<td>i.e. Neck dissection</td>
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<tr>
<td>Laryngectomy</td>
<td></td>
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<tr>
<td>Composite Resection</td>
<td></td>
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<tr>
<td>Free flap procedure</td>
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Laboratory Exercises:

Speech/Language Pathology, 11th floor Voice & Speech Lab, Glenn Bunting, x4050
- 2 hours per student, schedule to be provided at first Voice/Speech lecture
- 1 session - Voice Rounds, Thursdays 8-9 am or Fridays 10:30-12:30, Voice and Speech Lab, 11th floor

Vestibular Lab, 9th floor - Dr. Wall, x4153
- 2 Didactic lectures (included in Wednesday evening schedule)
- Lab Demonstration: February 28, 3:00-4:30pm - Jenks Vestibular Diagnostics Lab, 9th floor
HOMEWORK AND EXAMINATION

Recommended Reading
1) The Clinical Handbook of Ear, Nose and Throat Disorders by Wilson, Nadol, Randolph - available in the EPL library and EPL office.


Case Reports/Laboratory Assignments
Each student must submit short (1-2 pages) typed reports for cases observed. Each report should be organized with a heading indicating student name, number of report (#1/2), current date, the subspecialty area being reported upon, and have appropriate subheadings.

For Reports #1 and #2, one should be an outpatient encounter, one an operating room encounter, with one from otology and one from head and neck/laryngology, in any order, for a total of 2 reports.

In these reports, please include your comments on what you see as bottle necks in patient care, and how clinical or surgical care could be improved. You are supposed to integrate your scientific knowledge with a fresh look on clinical and surgical problems to suggest changes and interventions that could improve patient care. Writing these reports should stimulate your critical thinking, and possibly motivate you to tackle important problems in hearing and speech through basic and translational research.

The expected formats for Reports #1 and #2 are;
#1. Outpatient Case Report: history, exam findings, test results, diagnosis, treatment plan, suggestions for improvement or critical summary of the problem (for example, what are the limits of the existing treatment options and why)
#2. Surgical Case Report: type of surgery, indication, description, expected outcome, suggestions for improvement or critical summary of the problem

Case Reports are due on the following dates:
#1 March 14 To Dianna Sands by 2:00 pm
#2 April 18 To Dianna Sands by 2:00 pm

Other Reports as assigned – format will be explained by these Departments:
Audiology-TBD Email to Dr. Kujawa in Audiology by 5:00 pm
Speech Path-TBD ToVoice & Speech Lab, attn: Glenn Bunting
Vestibular- March 14 To Linda Victor, Room 407

Final Exam
The final exam will be an open book essay exam – will be emailed to you on Tuesday, May 13 at 9:00 am
Completed exams are due back to Dianna on Wednesday, May 14 at 10:00 am.

GRADES
Assessments and grades for the Course will depend upon all of the above evaluations:
Final exam - 50%; Clinical Case Reports/Lab Assignments - 50%
Patient with hearing, balance or voice problems

Outpatient Department (MD)
(Otology Clinic, Laryngology/Head-Neck Clinic)

Diagnostic Testing

- Audiology
- Vestibular Lab
- Voice Lab/Speech-Language Pathology

Outpatient Clinic (MD)

Diagnosis

Treatment

- Medical
- Surgical (Operating Room)
- Rehabilitative
  - Audiology
  - Vestibular
  - Voice/Speech-Language Pathology
### AUDIOLOGY / SPEECH PATHOLOGY LECTURES - 2014

**Mondays, 5:00 – 7:00 p.m.**  
*4th floor Conference Room*

<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
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<tbody>
<tr>
<td>Monday, Feb 3</td>
<td>Audiology</td>
</tr>
<tr>
<td>Monday, Feb 10</td>
<td>Audiology</td>
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<tr>
<td>Monday, Feb 17</td>
<td><strong>HOLIDAY</strong></td>
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<tr>
<td>Monday, Feb 24</td>
<td><strong>ARO Meeting – San Diego</strong></td>
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<tr>
<td>Monday, March 3</td>
<td>Audiology</td>
</tr>
<tr>
<td>Monday, March 10</td>
<td>Audiology</td>
</tr>
<tr>
<td>Monday, March 17</td>
<td><strong>SPRING BREAK</strong></td>
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<tr>
<td>Monday, March 24</td>
<td>Voice &amp; Speech Lab</td>
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<td>Monday, March 31</td>
<td>Voice &amp; Speech</td>
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<tr>
<td>Monday, April 7</td>
<td>Voice &amp; Speech</td>
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<tr>
<td>Monday, April 14</td>
<td>Voice &amp; Speech</td>
</tr>
<tr>
<td>Monday, April 21</td>
<td>Voice &amp; Speech</td>
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<tr>
<td>Monday, April 28</td>
<td>Voice &amp; Speech</td>
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</table>
SPEECH PATHOLOGY LAB EXERCISE:

Observe a patient undergoing a Voice Evaluation in the Voice and Speech Lab on the 11th floor Mass Eye and Ear. Allow at least 90 minutes for this evaluation.

Attend the Voice Rounds session during which time the patient you observed for a voice evaluation will be presented to Dr. Phillip Song or Dr. Ramon Franco and the staff of the Voice and Speech Lab. Voice Rounds with Dr. Song are held on Friday mornings from 10:30 to 12:30. Dr. Franco’s Voice Rounds are held on Thursdays from 8am to 9am.

Please confirm both your evaluation and voice rounds the day before by calling the Voice and Speech Lab secretaries at 617-573-4050. On occasion patients do not keep their scheduled appointments and you may arrive to find that the patient you planned to observe is not present.

Case Report/Laboratory Assignment
Each student must submit a short (1-2 pages) typed report for the Voice Evaluation observed. Each report should be organized with a heading indicating student name, the initials of the patient observed, the date of the evaluation, brief history of the problem and onset, acoustic and aerodynamic findings (if completed) which can be obtained from the clinician you observed, a brief description of the endoscopic examination(s) the patient underwent, any remarkable observations noted during the exam(s), and the results of Voice Rounds including the endoscopic findings, the diagnoses, and the plan of treatment (medical, surgical, behavioral) for the patient.

Your report should be emailed to glenn_bunting@meei.harvard.edu no later than Monday, May 5, 2014. Please email me if you have any questions.
2014
CLINICAL ASPECTS OF SPEECH & HEARING COURSE
OTOLOGY and HEAD AND NECK/LARYNGOLOGY LECTURES
Wednesdays
5:00 p.m.
4th floor Conference Room (except where noted)

JANUARY
29 Vestibular Lecture #1 Conrad Wall, PhD

FEBRUARY
5* Otitis media & tympanoplasty Heidi Nakajima, MD, PhD
12** Vestibular Lecture #2  [Class held 2:30 – 4:30pm] Conrad Wall, PhD & Gregory Whitman, MD
19 Otosclerosis and stapes surgery; conductive hearing loss Konstantina Stankovic, MD PhD
26 ARO MEETING – San Diego

MARCH
5 Diagnostic staging of head and neck cancer, basic surgical principles Ramon Franco, MD
12* Voice disorders, phonosurgery & other benign disorders of the larynx Ramon Franco, MD
19 SPRING BREAK
26 Sensorineural hearing loss; cochlear implantation Konstantina Stankovic, MD PhD

APRIL
2 Neurolaryngology Phillip Song, MD
9* Common vestibular disorders: Meniere’s syndrome, BPV, vestibular neuritis Adrian Priesol, MD
16 Head and Neck/Laryngology Case Presentations Ramon Franco, MD
23 Understanding normal and diseased middle-ear mechanics to improve diagnosis and treatment Heidi Nakajima, MD, PhD
30 Tinnitus; CNS lesions causing hearing loss Jennifer Melcher, PhD

* Lectures on these dates will be held in the EPL Library, 4th floor
**Note time change

If questions, contact Dianna (617-573-3745) or Barbara (617-573-3652)

/bjb -01/21/14 -7-
ADDITIONAL CONFERENCE OPPORTUNITIES

Summarized below are various teaching conferences held on a weekly basis in the Department of Otolaryngology. These are not mandatory, but many of them directly relate to information being presented as part of the Course and you will find them informative. You are encouraged to attend any or all of them. Changes do occur, so check the Bulletin Board outside the 4th floor Conference Room for the updated weekly schedule.

<table>
<thead>
<tr>
<th>Conference</th>
<th>Contact</th>
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<tbody>
<tr>
<td>* Otology Journal Club - 4&lt;sup&gt;th&lt;/sup&gt; floor Conference Room - <em>schedule attached</em></td>
<td>ENT Education</td>
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<tr>
<td>Variable Tuesdays, 7:00 - 8:00 am</td>
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<tr>
<td>Cochlear Implant Meeting – Archives/Rare Book Room, 3&lt;sup&gt;rd&lt;/sup&gt; floor</td>
<td>Dr. Kujawa</td>
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<tr>
<td>First Friday/month, 8:00 - 9:00 am</td>
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<tr>
<td>Audiology Continuing Education Series – 4&lt;sup&gt;th&lt;/sup&gt; Floor Conference Room</td>
<td>Dr. Kujawa</td>
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<td>Third Wednesday/month, 8:00 - 9:00 am</td>
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<tr>
<td>* Otopathology Conference - 4&lt;sup&gt;th&lt;/sup&gt; floor Conference Room- <em>schedule attached</em></td>
<td>Dr. Nadol</td>
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<tr>
<td>Variable Wednesdays, 6:00 - 7:00 pm</td>
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<tr>
<td>Otology Special Problems – 4&lt;sup&gt;th&lt;/sup&gt; floor Conference Room - <em>schedule attached</em></td>
<td>ENT Education</td>
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<td>One Wednesday/month, 6:00 pm</td>
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<tr>
<td>* Otolaryngology Lecture Series – Meltzer Auditorium, 3&lt;sup&gt;rd&lt;/sup&gt; floor - <em>schedule attached</em></td>
<td>ENT Education</td>
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<tr>
<td>Thursdays, 7:00 - 8:00 am</td>
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<tr>
<td>FOCUS Research Talks - Sloane Teaching Room, 3&lt;sup&gt;rd&lt;/sup&gt; floor</td>
<td>ENT Education</td>
</tr>
<tr>
<td>4&lt;sup&gt;th&lt;/sup&gt; Thursday, 8:00 - 9:00 am</td>
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<tr>
<td>* Head and Neck Case Review – 4&lt;sup&gt;th&lt;/sup&gt; floor Conference Room</td>
<td>Dr. Deschler</td>
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<tr>
<td>Fridays, 7:00 – 8:00 am</td>
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* Students are especially urged to attend these Conferences

**SCHEDULES FOR CONFERENCES ABOVE ARE LISTED ON PAGE 9**
ADDITIONAL TEACHING CONFERENCES - 2014

**Otology Journal Club**  
Tuesday, 7:00 - 8:00 a.m. - 4th floor Conference Room

February 11  
March 11  
April 8  
May 6

**Otopathology Conference**  
Wednesday, 6:00 - 7:00 p.m. - 4th floor Conference Room

March 19  
May 7

**Special Problems in Otology**  
Wednesday, 6:00 - 7:00 p.m. – 4th floor Conference Room

March 12
EDUCATION LECTURE SERIES
2013 – 2014

Thursdays
Meltzer Auditorium, 3rd floor

LARYNGOLOGY

FEBRUARY 2014

6  7:00am  Grand Rounds: Common causes of dysphonia which are frequently missed
     8:00  Journal Club: Laryngopharyngeal reflux

13  7:00am  Grand Rounds: Advances in office-based laryngeal procedures
      8:00am  Study Session: Montgomery tubes, cannulas, & TEPs

20  7:00am  Grand Rounds: Vocal Fold Paralysis
      8:00  Study Session: Case presentations and Review (4th floor conference room)

27  7:00am  M & M Rounds/Quality Assurance
      8:00  FOCUS Research Talks (Sloane Teaching Room, 3rd floor)
      9:00  Journal Club: The uncontrolled laryngeal response

Faculty
J. Pieter Noordzij MD
Associate Professor, BMC
Paul Paddle MD
Ramon Franco MD
Phillip Song MD, Lam
Glenn Bunting MS,CCC-SLP
& Anna Choi Farsi MS,CCC-SLP
Thomas Carroll MD
Assistant Professor, Tufts Medical Center
Thomas Carroll MD  Diercks
Richard Gliklich MD
Maggie Carter MD &
Sunshine Dwojak MD
Catherine Ballif MS,CCC-SLP

NOTE: M&M/QA for MEEI Medical Staff only
## RESIDENT ROTATIONS:

<table>
<thead>
<tr>
<th>PGY-2</th>
<th>11/24/13 – 02/03/14</th>
<th>02/04/14 – 04/17/14</th>
<th>04/18/14 - 06/30/14</th>
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<tr>
<td>JAN, Taha</td>
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<td>GENL ORL/HEAD &amp; NECK</td>
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<td>LIN, Brian</td>
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<th>04/01/14 - 06/30/14</th>
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<tr>
<td>BERGMARK, Regan</td>
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<td>HEAD &amp; NECK/CONSULT</td>
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<td>DEDMON, Matthew</td>
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<th>02/04/14 – 04/17/14</th>
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<td>DWOJAK, Sunshine</td>
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<td>DIERCKS, Gillian</td>
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<td>CHIEF / HEAD &amp; NECK</td>
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<td>REMENSCHNEIDER, Aaron</td>
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<td>OTOLOGY</td>
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<tr>
<td>SEDAGHAT, Ahmad</td>
<td>PLASTICS/TRAUMA</td>
<td>CHIEF / HEAD &amp; NECK</td>
</tr>
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* ENDOCRINE / SINUS / LARYNGOL