Title: Differential Diagnosis and Treatment of Typical and Atypical Benign Paroxysmal Positional Vertigo

Course Description: Benign paroxysmal positional vertigo (BPPV) is the single most common cause of vertigo and is frequently misdiagnosed. This clinical education workshop will focus on the process of differential diagnosis for BPPV and particle repositioning maneuvers for the treatment of typical and atypical BPPV based on fluid dynamics and anatomical alignment of the canals and computer simulations. Participants will use case histories and digital oculography recordings to formulate differential diagnoses and design comprehensive treatments.

Course Learning Objectives (3-5 objectives recommended): Upon completion of this course, the participant will be able to:

1. Apply the process of the differential diagnosis in the management of BPPV
2. Describe normal fluid dynamics and anatomical alignment of the canals and abnormal responses due to BPPV.
3. Differentiate between AC- and PC-BPPV based on findings on positional testing.
4. Differentiate between LC-BPPV and other diagnoses based on findings on positional testing.
5. Treat typical and atypical BPPV with particle repositioning maneuvers taking into account the anatomical alignment of the canals.

Instructional Level:

Basic _________ Intermediate ___ x _____ Advanced _________ x _________ Multiple _________ x _________

Instructional Format (indicate approx. percentage)

☐ X Lecture  ☐ Lab  Combination ___ 100% lecture: including case presentations and discussions

Tentative Outline of time and content:

<table>
<thead>
<tr>
<th>Time</th>
<th>Content</th>
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<tbody>
<tr>
<td>30 min</td>
<td>Fluid Dynamics and Anatomical Alignment of the Canals and BPPV -</td>
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<tr>
<td>10 min</td>
<td>The Process of Differential Diagnosis in the Management of BPPV –</td>
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<tr>
<td>70 min</td>
<td>Positional Testing based on Anatomical Alignment of the Vertical Canals:</td>
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<td>Differentiating between AC- and PC-BPPV –</td>
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<tr>
<td>10 min</td>
<td>Break</td>
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<tr>
<td>70 min</td>
<td>Particle Repositioning Maneuvers for AC- and PC-BPPV –</td>
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<tr>
<td>60 min</td>
<td>Lunch</td>
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<tr>
<td>30 min</td>
<td>Problem Solving Session. Particle Repositioning Maneuvers for AC- and PC-BPPV</td>
</tr>
<tr>
<td>60 min</td>
<td>Positional Testing of the LC: Bi-Directional-Changing Positional Nystagmus</td>
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<tr>
<td>15 min</td>
<td>Case Discussions: Positional Testing and Interpretation of Digital Oculography</td>
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<tr>
<td>10 min</td>
<td>Break</td>
</tr>
<tr>
<td>60 min</td>
<td>Particle Repositioning Maneuvers for Geotropic and Apogeotropic LC-BPPV-</td>
</tr>
<tr>
<td>15 min</td>
<td>Case Discussions: Particle Repositioning Maneuvers for LC-BPPV</td>
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Approved by the APTA of MA Board of Directors: Feb 2011
**Key References:  Minimum of 5 current references (less than 5 years old):**

**BPPV**


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*Attach current CV of each speaker:*
Janet O. Helminski, PT, PhD
Janet Callahan, DPT, MS NCS

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