



INSTITUTE OF NEUROSCIENCE AND PHYSIOLOGY

LP9440 Cervical Auscultation in Dysphagia Management: A practical workshop for speech pathologists, 3 higher education credit-points

Advanced / Second cycle

Course Confirmation

The Course Plan is confirmed by the Institute of Neuroscience and Physiology 2019 06 26 and is valid from 2019 09 15, autumn semester 2016.

Education area: Medicine 100%

Responsible institution: Institute of Neuroscience and Physiology

Designation

This is a free standing course, given as contract education.

Prerequisites

Speech-language pathology certification is a prerequisite.

Objectives

After course completion the student is expected to:

Knowledge and understanding

- Know the foundation anatomy and physiology of swallowing and the swallowing-respiration coordination.
- Describe the normal and abnormal physiological swallowing events, swallowing sounds and swallow-respiratory coordination.
- Know how to incorporate cervical auscultation into the clinical 'bedside' swallow examination (CSE).
- Understand the benefits and limitations of cervical auscultation and the CSE.

Skills and capabilities

- Critically analyse and discuss the evidence related to cervical auscultation and dysphagia management.
- Demonstrate acceptable skills in listening, analysing and interpreting swallowing and swallow-respiratory sounds using cervical auscultation.
- Adequately document information attained from cervical auscultation and the CSE.

Clinical judgement and application

- Routinely utilise cervical auscultation, when appropriate, for clinical management of dysphagia – not only initial assessment but during ongoing dysphagia reviews.
- Describe the limitations and benefits of the CSE and instrumental assessment methods and be able to choose the appropriate dysphagia assessment/review method as (patient-specific) clinically indicated.

Content

This course introduces clinicians to dysphagia management using cervical auscultation (CA). It has both a theoretical and practical focus and aims to support participants so that the skills to successfully integrate CA into the everyday clinical dysphagia assessment, ongoing dysphagia reviews and rehabilitation management are acquired.

The course is divided into three components;

- (1) Pre-workshop assignments (28/10 – 05/12, 2019)
- (2) Two-day workshop (09/12 – 10/12, 2019)
- (3) Post-workshop assignments (10/12, 2019 – 10/01, 2020).

The pre-workshop activities include answering a questionnaire, listening to swallow/swallowing related respiratory sounds and reviewing CA literature.

The two-day workshop has a practical focus so that the skills needed to use this technique will be acquired. The workshop will cover the theory behind swallowing and each CA skill component taught. This includes the following:

- The normal and abnormal (dysphagic) physiological swallowing events, swallowing sounds and swallow-respiratory coordination. This will have a practical acoustic training focus (listening, analysing and interpreting) using the stethoscopes provided.
- Correct use of the stethoscope, cervical placement and care of the stethoscope.
- Practical listening tasks –detecting swallowing sounds and applying the skill.
- Reporting and documenting the clinical swallow examination using CA.
- Critiquing the CSE and instrumental assessment methods in dysphagia management.

The presenters will be there to provide hands-on assistance and experience of using the technique.

The post workshop assignments include answering a questionnaire, using cervical auscultation during dysphagia management, preparing a report and reflection/discussion.

Teaching and training format

Independent study is required for the pre and post workshop assignments. The two-day workshop includes lecturing, hands-on, practical activities and group work. Attendance is compulsory during the two workshop days.

Language: Course given in English.

Student assessment

Participants are examined via the pre and post workshop assignments. The participant has the right to complete additional assignments and change Assessors, if possible, only after twice failing to complete assessments. Such a request needs to be made in writing to the Institute of Neuroscience and Physiology.

Grading

Grading for this course is Pass (G), Fail (U).

Course evaluation

The course will be evaluated using the course-specific questionnaire.