

Swallowing and Related Disorders: Assessment and Intervention

Code: 104147
ECTS Credits: 9

2025/2026

Degree	Type	Year
Logopedia	OB	3

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(External) Poden intervenir empreses i/o professionals externs a petició del docent.

Teaching groups languages

You can view this information at the [end](#) of this document.

Prerequisites

Have studied the subject "Neurology of Language"

Objectives and Contextualisation

At the end of the course students must be able to:

- Evaluate and diagnose eating disorders and swallowing in all ages and etiologies.
- Know how to manage MECV-V and other tests such as EAT10 and the Payne Technique.
- Know the anatomical bases involved in rehabilitation processes for swallowing and the remaining post-surgery with dysphagia.
- Know and know how to apply manoeuvres and therapeutic techniques to treat disorders of feeding and swallowing being studied.
- Know the specific products for the feeding of patients with dysphagia.
- Understand the most common tools and products for both the assessment and the treatment of problems swallowing.
- Know how to identify the associated disorders involved in order to make therapeutic decisions.
- Understand the consequences of laryngectomy (partial and total) on swallowing in patients.
- Understand the mechanisms of rehabilitation of smell in laryngectomized.

- Know the issues of personal care that the speaker needs to know to treat patients with total laryngectomy.
- Know the basics to rehabilitate the esophageal, prosthetic and electron speech in total laryngectomy.
- Know the individual difficulties of the esophageal or erigmophonic voice through the attempt of its production.

Learning Outcomes

1. CM13 (Competence) Assess the usefulness of the main techniques for the evaluation and diagnosis of neurological speech therapy disorders and be able to interpret the results.
2. KM24 (Knowledge) Describe the main techniques for evaluating and diagnosing neurological language, speech and swallowing disorders.
3. KM26 (Knowledge) Explain the origin and characteristics of language, speech, and swallowing disorders caused by brain damage.
4. KM27 (Knowledge) Describe the aspects of rehabilitation of speech, language and swallowing disorders that require the joint intervention of professionals from various disciplines (neurologist, physiotherapist, psychologist, etc.).
5. SM22 (Skill) Use the most appropriate examination techniques to diagnose and issue a prognosis of evolution of neurological language, speech and swallowing disorders.
6. SM24 (Skill) Design a speech therapy intervention plan for different practical cases due to acquired disorders or alterations in swallowing.

Content

1. Anatomophysiology of swallowing:

- Pathophysiology of swallowing.
- Semiology of swallowing disorders.

2. Clinical and instrumental exploration of swallowing:

- EAT10
- Exploration without bolus
- MECV-V
- T. de Payne
- Other explorations

3. Identification and management of dysphagia in preterm infants:

- Development of the oral functions of the feeding
- Child feeding: normality, reflexes and evolution
- Orofacial stimulation in the ICU (Intensive Care Unit)

4. Oropharyngeal dysphagia of neurological origin and associated disorders

- Exploration and rehabilitation of the dysarthria

5. Dysphagia of organic origin and associated disorders:

- Exploration and rehabilitation of the dysglosias

6. Dysphagia vs. atypical swallowing and associated disorders:

- Clinical and instrumental evaluation of atypical swallowing
- Interaction between atypical swallowing, speech disorders and associated orofacial dysfunctions

- Differential diagnosis: dysphagia and atypical swallowing

7. Objectives, programming and planning of the rehabilitation of swallowing according to basic pathology:

- Manoeuvres and direct and indirect techniques of rehabilitation of dysphagia

8. Laryngectomy:

- Dysphagia inherent in the condition of the laryngectomized
- Basic care.
- The voice without a larynx:
 - prosthetic voice:
 - Esophageal vein. Procedures and conditions.
 - The electrolaryngx
 - Other alternatives (communicators)

9. dysarthria

- concept
- prevalence
- Etiology
- Semiological traits
- classification
- Dysarthria vs. apraxia
- Exploration: Objectives, levels, types, Protocols
- Therapeutic Plan

Activities and Methodology

Title	Hours	ECTS	Learning Outcomes
Type: Directed			
Classes of theory amb suport TIC	61.5	2.46	CM13, KM24, KM26, KM27, SM24, CM13
Practical classes of exploration and critical analysis and discussion of practical cases	6	0.24	CM13, SM22, CM13
Type: Supervised			
Tutorías programades amb el professor per revisió d'activitats dirigides	3.5	0.14	
Type: Autonomous			
Bibliographic and documentary consultations	25	1	CM13, KM26, SM22, SM24, CM13
Completion of summaries, diagrams and conceptual maps	40	1.6	KM24, KM26, KM27, SM24, KM24
Participation in peer communication forums	15	0.6	CM13, SM22, CM13
Studying	71.25	2.85	CM13, KM24, KM26, KM27, SM22, SM24, CM13

The subject will consist of a theoretical module of each subject and a module in which the student will be trained in the practice of the use of the main evidence of swallowing and its disorders.

Training activities, with approximate hours of dedication and corresponding learning outcomes, are specified below.

Annotation: Within the schedule set by the centre or degree programme, 15 minutes of one class will be reserved for students to evaluate their lecturers and their courses or modules through questionnaires.

Assessment

Continous Assessment Activities

Title	Weighting	Hours	ECTS	Learning Outcomes
EV1. Oral examination of erigmophonic voice	5%	0.25	0.01	SM22
EV2. Examination. Type Test.	25%	0.5	0.02	KM24, KM26, KM27
EV3. Examination. Type short development, resolution of a clinical case.	40%	1	0.04	CM13, KM24, KM26, KM27, SM22, SM24
EV4. Examination. Type Test, of all the matter seen in the Practices.	30%	1	0.04	KM24, SM22

<https://www.uab.cat/web/estudiar/graus/graus/avaluacions-1345722525858.html>

Continued evaluation:

[EV1] Evidence 1: First evaluation period. Individual, oral examination of erigmophonic voice production.

[EV2] Evidence 2: First evaluation period. Individual exam, face-to-face, test type.

[EV3] Evidence 3: Second evaluation period. Individual exam, Cumulative of all the matter of the theoretical part, based on the resolution of a clinical case.

[EV4] Evidence 4: Second evaluation period. Individual examination, on-line, type test or of brief development, of all the matter seen in the practices.

All the online evaluations will be made from an UAB classroom.

(see evaluation guidelines)

Evaluation guidelines:

The score obtained in the exam of the subject taught in the practices, will only be computable if you have attended all the practical sessions of the course assigned.

Non-assessable student: if he / she has not delivered at least evidence of learning with a minimum weight of 40%.

Passed subject: pass with a 5,0 (scale 0-10) taking into account the percentage weight of each evidence mentioned above.

Reassessment Tests: In the recovery period. Individual, on-line, test-type and cumulative examination of all the subject, both theoretical and practical.

Students who have not met the criteria established to pass the subject and who have been assessed with a minimum of 2/3 of evidence of learning may choose to take the make-up test.

The reassessment may consist of two parts: a test-type test and the oral resolution of a case study or, alternatively, the student, in case of having failed a single test, may choose to be re-evaluated from the test not passed.

Single Assessment:

- Evidence:

At the end of the second evaluation period.

The test of the single assessment will consist of a test that will consist of the parts described in the evidence of the continuous assessment, with the same weight, and which will last 3 hours. The written part will be done online in a computer room at the UAB.

The questions will correspond to the theoretical part and the practical part of the subject (oral explanations in the classroom; drawings, graphs, etc. on the board; videos viewed in the classroom; PowerPoint; Forums on the Virtual Campus; Bibliography; practical exercises; practical learning) and ends with an oral test of esophageal voice production (erygmophony) of about two minutes.

- Recovery: The same recovery system as for the continuous assessment will be applied.

- Review of the final grade: The review of the final grade follows the same procedure as for the continuous assessment, through an individual interview with the teacher.

Final qualification: The teacher reserves the option of supplementing the students' grade by evaluating aspects such as interest in the subject, dedication, among others.

Languages: The exams are in Catalan, they will only be translated if the requirements established in article 263 are met and your application is made electronically (e-formulari), more information at web Faculty. In the oral exam, the student will be able to express himself in his language (as long as it is one of the following: Catalan, Spanish, English, French, Italian or Portuguese).

Honors: In any case, the maximum achievable mark will be a 10, although the relative mark will be taken into account when awarding possible Honors.

Chrono: EV3 and EV4, in the Second Assessment Period, will be separated by at least one week.

Single Evaluation: it is requested electronically (e-form) in the specific period (more information on the faculty's website)

Evidence:

At the end of the second evaluation period.

The single evaluation test will consist of a test that will consist of the parts described in the evidence of the continuous evaluation, with the same weight, and will last 3 hours.

The written part will be done online in a UAB computer room.

The questions will correspond to the theoretical part and the practical part of the subject (oral explanations in the classroom; drawings, graphs, etc. on the blackboard; videos viewed in the classroom; PowerPoint; Forums on the Virtual Campus; Bibliography; practical exercises, practical learning) and ends with an oral test of esophageal voice production (erygmophony) of about two minutes.

Recovery: The same recovery system will be applied as for continuous evaluation.

Review of the final grade: The review of the final grade follows the same procedure as for continuous evaluation, through an individual interview with the teacher.

Final grade: The teacher reserves the option of complementing the students' grade by evaluating aspects such as interest in the subject or dedication, among others.

Language: The exams are in Catalan, they will only be translated if the requirements established in article 263 are met and the request is made, electronically (e-form). In the oral exam, the student will be able to express themselves in their language (as long as it is one of the following: Catalan, Spanish, English, French, Italian or Portuguese).

Type of feedback: In the classroom - immediate, for all the EV.

AI: Use prohibited. In this subject, the use of artificial intelligence (AI) technologies is not allowed in any of its phases. Any work that includes fragments generated with AI will be considered an act of academic dishonesty and may result in a partial or total penalty in the grade for the activity, or more severe sanctions in cases of seriousness.

Bibliography

1. FONAMENTAL

Reference Manuals:

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- J.A. Logemann. *Evaluation and Treatment of Swallowing Disorders.* Pro-ed, Austin, Texas, 1998
- G. Heuillet-Martin, L. Conrad. *Hablar sin Laringe. Rehabilitación de la voz en laringectomizados.* Ed. Lebón 2003.
- Paniagua J., Susaníbar F., Giménez P., Murciego P. García R. *Disfagia: De la evidencia científica a la práctica clínica.* 2 Vols. Giuntieos Psychometrics, 2019.
- García R., Paniagua J., Giménez P., Murciego P., De Almeida M. *Abordaje de la Disfagia Pediátrico-Neonatal.* Elsevier, 2022.
- Giménez p., Murciego P., De Almeida M., Paniagua J. *Abordaje de la disfagia en el paciente traqueostomizado.* Elsevier, 2024.

BOOKS:

- M. Velasco. V. Arreola, P. Clavé, C. Puiggrós. *Abordaje clínico de la disfagia orofaríngea: diagnóstico y tratamiento.* Nutrición Clínica en Medicina, Novembre 2007.
- N. Melle. *Guía de intervención logopédica en la disartria.* Colección Trastornos del lenguaje, n. 4, Editorial Síntesis, Madrid, 2008

2. COMPLEMENTARY:

BOOKS:

- S. Borras y V. Rosell. *Guía para la reeducación de la deglución atípica y trastornos asociados.* Nau Llibres, 2005
- P. Clavé y P. García. *Guía de diagnóstico y de tratamiento nutricional y rehabilitador de la Disfagia Orofaringea.* Nestlé Nutrition. Editorial Glosa, S.L. Barcelona 2011
- Glaucia del Burgo. G. de la Aleja. *Rehabilitación de problemas de deglución en pacientes con daño cerebral sobrevenido.* Editorial EOS, Madrid, 2004
- D. Grandi i G. Donato. *Terapia miofuncional. Diagnóstico y tratamiento.* Ed. Lebón. Barcelona, 2008. (Inclou CD-ROM i lámunes)
- Nestlé Nutrition. *EAT 10, Herramienta validada para el cribado de la disfagia.* Nestlé, 2011
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- N. Zambrana. *Logopedia y ortopedia maxilar en la rehabilitación orofacial. Tratamiento precoz y preventivo. Terapia miofuncional.* Masson. Actualidades Médico Odontológicas Latinamérica.2000
- F. Le Huche. Trad. Asociación Española de Laringectomizados. *La Voz sin Laringe.*
- F. Le Huche, A. Allali, G. Miroux. *La Voz sin Laringe. Manual de Reeducación Vocal.* Ed. Médica y Técnica. 1982.
- L. Arrazubi, L. Royo. Servei ORL de l'Hospital de la Santa Creu i Sant Pau. UAB. *Guia d'ajuda per a la persona intervinguda de Laringectomia Total.* 2001

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- P. Abelló y M. Quer. *Manual d'Oto-rino-laringologia*. Manuals de la Universitat Autònoma de Barcelona, n. 8. Bellaterra, 1992.
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- C.A. Rosen & C.B. Blake Simpson. *Técnicas Quirúrgicas en Laringología*. Amolca. Caracas. 2013.

Anathomia Atlas:

- J.E. Muscolino. *Atlas de músculos, huesos y referencias óseas. Fijaciones, acciones y palpaciones*. Paidotribo. Badalona. 2012.
- A. Biel. *Guía topográfica del cuerpo humano. Cómo localizar huesos, músculos y otros tejidos blandos*. Paidotribo. Badalona. 2012.

Webs:

- <http://www.dysphagiaonline.com>
- <http://www.logopediamail.net>
- <http://www.voiceandswallowing.com>
- <http://www.fresenius.com/407.htm>
- <http://www.nestle-nutrition.com/Public/Default.aspx>
- <http://www.nutriciaclinico.es>
- <http://www.myessd.org>
- <http://www.essd2013.org>
- <http://www.soclogopedia.org>
- <https://sensorialitat.blogspot.com>

Papers:

- Related papers.

Software

- Praat (Freeware: www.praat.org) Mac, Windows, Linux
- DISFAPP (<https://disfapp.es>)

Groups and Languages

Please note that this information is provisional until 30 November 2025. You can check it through this [link](#). To consult the language you will need to enter the CODE of the subject.

Name	Group	Language	Semester	Turn
(PLAB) Practical laboratories	111	Catalan	second semester	morning-mixed
(PLAB) Practical laboratories	112	Catalan	second semester	morning-mixed
(PLAB) Practical laboratories	113	Catalan	second semester	morning-mixed
(TE) Theory	1	Catalan	second semester	morning-mixed