UNIVERSITÀ
DEGLI STUDI DI MILANO-BICOCCA

SYLLABUS DEL CORSO

Riabilitazione e Otorinolaringoiatria

2627-3-I0201D146-I0201D230M

Aims

By the end of the course, students will be able to:

1. Describe the anatomical structures involved in swallowing and speech articulation.
2. Describe the physiology and pathophysiology of swallowing.
3. Define dysphagia and principles of ssessment and management.
4. Define dysphonia and principles of assessment and management.
5. Define dysarthria and principles of assessment and management.

Contents

Detailed program

Anatomical Prerequisites

1. Anatomy of the oral cavity, pharynx, and larynx
2. Cranial nerves relevant to otorhinolaryngology (ENT), including their functions and associated musculature

Swallowing:

1. Physiology of swallowing
2. Pathophysiology of swallowing
3. Social Eating
4. The relationship between swallowing and respiration
5. Neurophysiological bases of swallowing

6. Swallowing across the lifespan: from intrauterine development to older adulthood

Dysphagia:

1. Definition, epidemiology, and complications
2. Signs and symptoms of dysphagia
3. Pathogenesis of dysphagia
4. Major clinical presentations in adult and pediatric populations

Management of Dysphagia:

1. First-level dysphagia assessment
2. Instrumental assessment of dysphagia
3. Clinical assessment of dysphagia
4. Mealtime observation
5. Nutritional status assessment
6. Introduction to compensatory interventions for dysphagia
7. Introduction to rehabilitative interventions for dysphagia

Dysphonia and Dysarthria:

1. Definition and physiology of voice production
2. Voice across the lifespan
3. Classification of voice disorders and major clinical presentations
4. Definition of dysarthria and domains involved
5. Introduction to multidimensional voice assessment and management
6. Introduction to dysarthria assessment and management

Prerequisites

Teaching form

Didactic lectures complemented by practical exercises and experiential learning activities

Textbook and teaching resource

- Norton, N. S., Netter, F. H. (2010). Anatomia della testa e del collo di Netter per odontoiatri. Italia: Antonio Delfino Editore.
- Schindler, O., Ruoppolo, G., Schindler, A. (2011). Deglutologia. Italia: Omega.
- Locatelli, M., Cima, A. (2024). Respirazione e deglutizione. Interazioni nella pratica clinica e valutativa del paziente disfagico. Italia: Minerva Medica.
- Schindler, O. (2010). La voce: fisiologia, patologia, clinica e terapia. Piccin.
- Freed, D. B. (2015). Le disartrie. Diagnosi e trattamento. Italia: Edises.

Semester

2nd semester

Assessment method

multiple choice answers and an open-ended question

Office hours

By appointment

Sustainable Development Goals

GOOD HEALTH AND WELL-BEING