

Course 2:- Practical Approach to Dizziness.

Venue: Casualty and Demo Room

Total No. Of Modules: 6

Total Duration: 30 Hrs

Proposed start date of course: 15th Oct 2022

**Course of faculty: 1- Dr. KVK Sudhakar (Professor)
2- Dr. Aditya Singhal (Ass.Professor)**

Upon work completion, the Participants will be able to.

- 1- Identify the important causes of vertigo.
- 2- Perform complete clinical examination for vertigo including specific clinical tests.
- 3- Know the appropriate Lab/ diagnostic Tests & procedure to differentiate peripheral & central vertigo.
- 4- Able to manage basic causes of vertigo & refer to specialist for further management in appropriate causes.

Course Content

Module 1: Basic anatomy (1hour)

- 1.1: Structure of Inner ear.
- 1.2: Ultra Structure of Inner ear.
- 1.3: Neural Pathways of balance
- 1.4: Student assessment

Module 2: Physiology related to vertigo (2 hour)

- 2.1: Physiology of semi circular canal and vestibule.
- 2.2: Vestibulo ocular reflex.
- 2.3: Vestibulo spinal reflex.
- 2.4: Nystagmus – mechanism
- 2.5: Nystagmus- grades.
- 2.6: Student assessment

Module 3: History taking and clinical examination (3 hour)

- 3.1: Brief history
- 3.2: ENT examination (60 Minutes)
- 3.3: Eye ,Spine, Balance and Gait, tests of central causes. (60 minutes)
- 3.4: Student assessment

Module 4: Important causes (6 hour)

- 4.1: BPPV (30 Minutes)
- 4.2: Meniere's diseases (1hour)
- 4.3: Vestibular pathway (1 hour)
- 4.4: Tumour of CP angle
- 4.5: Central causes
- 4.6: Student assessment

Module 5: Investigation for vertigo (2 hour)

- 5.1 Patho physiology of Caloric test
- 5.2: Procedure & steps
- 5.3: Complication
- 5.4: Interpretation of results
- 5.5: Student assessment.

Module 6: Vestibular rehabilitation exercise their efficacy. (1 hour)

- 6.1: Eye exercise
- 6.2 : Head exercise
- 6.3: Trunk exercise
- 6.4: Role of exercise in rehabilitation.
- 6.5: Role of drugs
- 6.6: Student assessment.