



ENT IMPERIAL

Delivering Excellence in Surgical Care

Trans-nasal Oesophagoscopy

In this station you will carry out the following tasks:

- Perform trans-nasal oesophagoscopy
- Carry out tasks including
 - Dilatation of oesophageal stricture

You will be assessed throughout, please ensure that all forms are filled in

Thank you



ENT IMPERIAL

Delivering Excellence in Surgical Care

TRANS-NASAL OESOPHAGOSCOPY AND OESOPHAGEAL DILATATION

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Background



- Trans-nasal oesophagoscopy (TNO) is growing in frequency of use by ENT specialists
- Enables examination of upper aerodigestive tract without need for sedation
- Potential for diagnostic and therapeutic uses

Multiple ports including suction and insufflation



Ability to visualise oesophagus



Objectives



- Carry out TNO on a manikin for trainees and consultants to practice technique
- Carry out procedural tasks including dilatation of oesophageal stricture

Debrief and feedback



- At the end of the session you will receive personalised feedback regarding your performance.
- You will also be asked to complete a feedback form assessing face and content validity of the simulation.

Task Specific Assessment – Trans-nasal oesophagoscopy

Please circle most appropriate for N (Not assessed), D (Development required), S (Satisfactory), as well as the most appropriate score on the Likert scale 1-5

| Trainee: | | | | | Assessor: | | | | |
|--------------------------------------------------------------------------------------------------------------|---|---|---|---|-----------|---|---|--|--|
| T12 Checks endoscope function before intubation | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T13 Intubates the oesophagus safely | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T14 Maintains luminal view/inserts in luminal direction | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T16 Obtains a good view of the mucosa | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T17 Visualises all of nasopharynx, oropharynx, larynx, hypopharynx and oesophagus, and upper part of stomach | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T18 Demonstrates accurate orientation in the UAD tract | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T20 Performs therapeutic techniques | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| Performs safe dilatation of stricture | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T21 Recognises and manages complications | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| T22 Completes procedure in reasonable time. | | | | | N | D | S | | |
| 1 | 2 | 3 | 4 | 5 | | | | | |

Global assessment – Trans-nasal oesophagoscopy

Please circle most appropriate for N (Not assessed), D (Development required), S (Satisfactory), as well as the most appropriate score on the Likert scale 1-5

| Trainee: | | | | | Assessor: | | | | |
|-------------------------------------------------------------------------|---|---|---|---|-----------|---|---|---|---|
| G1 Follows an agreed, logical sequence or protocol for the procedure | | | | | N | D | | S | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| G5 Uses instruments appropriately and safely | | | | | N | D | | S | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| G6 Proceeds at appropriate pace with economy of movements | | | | | N | D | | S | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| G8 Deals calmly and effectively with unexpected events/complications | | | | | N | D | | S | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| G10 Communicates clearly and consistently with the scrub team or nurses | | | | | N | D | | S | |
| 1 | 2 | 3 | 4 | 5 | | | | | |
| Overall outcome and performance | | | | | 0 | 1 | 2 | 3 | 4 |

Please indicate:

Training grade:

Deanery:

Hospital:

Number of TNOs carried out under supervision:

Number of TNOs carried out without supervision:

Face and Content validity – TNO model

| Name: | Grade: | | | | | Manikin |
|----------------------------------------------------------------|-------------------|----------|-----------|-------|----------------|---------|
| State the level of agreement with the following statements: | strongly disagree | disagree | undecided | agree | strongly agree | |
| Face | | | | | | |
| Appearance of anatomical structures is realistic | 1 | 2 | 3 | 4 | 5 | |
| Tissue feel is realistic | 1 | 2 | 3 | 4 | 5 | |
| Depth perception is realistic | 1 | 2 | 3 | 4 | 5 | |
| Instrument application is realistic | 1 | 2 | 3 | 4 | 5 | |
| Content | | | | | | |
| This model is useful for teaching anatomy | 1 | 2 | 3 | 4 | 5 | |
| This model is useful for teaching surgical planning | 1 | 2 | 3 | 4 | 5 | |
| This model is useful for improving operative technique | 1 | 2 | 3 | 4 | 5 | |
| This model is useful for improving hand-eye coordination | 1 | 2 | 3 | 4 | 5 | |
| This model is useful as an overall training tool | 1 | 2 | 3 | 4 | 5 | |
| Task | | | | | | |
| This model is useful for teaching TNO | 1 | 2 | 3 | 4 | 5 | |
| This model is useful for teaching anatomical structures in TNO | 1 | 2 | 3 | 4 | 5 | |
| Curriculum | | | | | | |
| Skills I learned are transferable to clinical practice | 1 | 2 | 3 | 4 | 5 | |
| This model should be incorporated into the training curriculum | 1 | 2 | 3 | 4 | 5 | |
| I would recommend this model to trainees | 1 | 2 | 3 | 4 | 5 | |