NIHS RESIDENCY TRAINING PROGRAM

Program: Urology

Comprehensive Clinical Examination (CCE)

I. Definition of Comprehensive Clinical Examination (CCE)

The Clinical Competency Examination (CCE) is a performance-based assessment of higher-order cognition, intended to confirm that a candidate possesses the clinical competence required for independent specialist practice. Candidates rotate through a series of standardized stations that simulate real clinical scenarios, where they are directly observed and assessed. Each station requires candidates to articulate the rationale for their decisions and demonstrates one or more competency domains—such as history taking, physical examination, clinical reasoning and decision-making, communication, professionalism, patient safety, and procedural skills—using structured scoring rubrics.

II. Comprehensive Clinical Examination (CCE) Exam Format

1. Number of Stations = 8
2. Duration per station = 20 minutes
3. Duration of the break between the two consecutive stations = 3
4. Examiners per Station =2

Number of Stations	Duration of the station	Types of stations	Orientation and calibration
8 Stations	Each station could last between **20 minutes** long. There should be **3 minutes** before each station.	**Multiple** clinical/practical skill domains can be covered in a CCE station Eg. History & physical examination of a real or simulated patient, performance of procedures, interpretation of results, analysis and reasoning, Decision-making or communication and professionalism	**On Examination day** **30 minutes** Examiner/Examinee orientation & **1 hour** calibration

III. Clinical/Practical Skill Domains

Proposed Domains for NIHS	DEFINITIONS
Data gathering / History taking	Asks key relevant questions. Sensitively gathers appropriate information. Explores main problems/concerns of patient/parent/career in structured manner.
Physical Examination and practical skills	Demonstrate correct, thorough, systematic, appropriate, fluent, and professional technique of physical examination. Demonstrate proficiency in performing practical and procedural skills at the level of a specialist.
Data interpretation	Correctly interpret the History findings, Physical examination and Investigation results.
Clinical reasoning and analytical skills (Differential Diagnosis & Provisional Diagnosis)	Formulate & propose likely appropriate differential diagnosis Understand the implications of findings. Able to suggest appropriate steps if the physical examination was inconclusive.
Decision-making & Management	Select or negotiate a sensible and appropriate management plan for a patient, relative or clinical situation. Select appropriate investigations or treatments for a patient. Apply clinical knowledge, including knowledge of law and ethics, to the case.
Communication & Professionalism	Appropriate level of confidence; greeting and introduction; appropriate body language Develops appropriate rapport with patient/parent/carer or colleague. Appropriate tone & pace of speech Behave towards the patient or relative, respectfully and sensitively and in a manner that ensures their comfort (eg. avoid causing pain), safety (eg. washing hands) and dignity (eg. covering patient). Seek, detect, acknowledge and address patients' or relatives' concerns. Demonstrate empathy.

IV. Blueprint Outline

- This will be published on the NIHS website for the candidates.
- This will act as a guideline for the Examination Sub-committee for exam design.
- This will be fixed for the next 3 academic years

  - ❑ Basics of Urologic surgery
  - ❑ Infections / inflammation
  - ❑ Reproductive / sexual health
  - ❑ Urine transport / storage and emptying
  - ❑ Trauma/ Reconstruction
  - ❑ Renal failure / Transplantation & urolithiasis
  - ❑ Neoplasm / Molecular and cellular biology
  - ❑ Prostate/Adrenal
  - ❑ Pediatric Urology
  - ❑ Imaging and Technology

V. Passing Score

- Each station shall be assigned a minimum performance level (MPL) based on the expected performance of a minimally competent candidate using a sound scientific standard-setting method such as regression analysis.
- To pass the examination, the candidate must achieve a score **at or above the Minimum Passing Level (MPL)** in **at least 70% of stations**. For an eight-station exam, this equates to **a minimum of 6 stations**.

VI. Time Management

- The examiner is aware of how much material needs to be covered per station, and it is their responsibility to manage the time accordingly.
- The examiner will want to give you every opportunity to address all the questions within the station.
- They may indicate that "in the interests of time, you will need to move to the next question." This type of comment has no bearing on your performance. It is simply an effort to ensure that you complete the station.
- If you are unclear about something during the station, ask the examiner to clarify.
- If some stations conclude before the scheduled time, the examiner will formally end the encounter. However, examinees are required to remain seated in their designated places until the SES Committee determines that candidates for that particular station or examination may leave the room, to ensure the integrity of the examination process.

VII. Examiner Professionalism

- The examiners have been instructed to interact with you professionally − don't be put off if they are not as warm and friendly towards you as usual.
- We recognize this is a stressful situation, and the examiner is aware that you are nervous. If you need

a moment to collect your thoughts before responding, indicate this to the examiner.

- The nomination of examiners is based on the principle that candidates are assessed by qualified examiners selected and appointed by NIHS. The examiner is not obligated by any means to share their personal information or professional details with the candidate.

VIII. Conflict of Interest

- The examiners come from across the country. You will likely recognize some of them and may have worked with some of them in your center's clinical/academic capacity. This is completely acceptable to the NIHS and is not a conflict unless if the examiner had a substantial contribution to your training or evaluation, or if you have another personal relationship with the examiner.
- Identify the conflict at the moment of introduction; examiners have been instructed to do the same. Examiners will alert the NIHS staff – every attempt will be made to find a suitable replacement for the station.

IX. Confidentiality

- Electronic devices are NOT permitted.
- Communication with other candidates during the evaluation is prohibited.

X. Textbooks

• Campbell urology last edition.