

# Course Curriculum for Medical Officers

Session No.	Date	Title	Learning Objectives
	31.05.25	Orientation	To orient the participants regarding the usage of Zoom and etiquettes of ECHO sessions.
		Pre-training evaluation quiz (sent through email)	To assess the current attitudes & practice with regard to cancer screening prevalent among the Medical Officers (MOs).
1	Wk. 1 07.06.25	Introduction to TMC-ECHO's online Cancer Screening course	<ul style="list-style-type: none"> <li>Burden of cancer in India: Prevalence, incidence and mortality of cancer</li> <li>Causes of cancer</li> <li>Risk factors of cancer</li> <li>What is screening? Types of screening</li> <li>Risks and benefits of screening</li> <li>Introduction to cancer screening in India</li> </ul>
		Introduction to Cancer Screening and the role of medical officers in the nations' cancer screening program	
		Pre-module 1 evaluation quiz	To assess the current knowledge level of MOs with regard to cervical cancer screening.
<b>MODULE 1: CERVICAL CANCER SCREENING</b>			
2	Wk 2 14.06.25	Methods of cervical cancer Screening and their advantage and disadvantages, Cervical Cancer Screening Guidelines in India and the rationale behind it (age, frequency, when to start, when to stop etc.)	<ul style="list-style-type: none"> <li>Burden and natural history of cervical cancer</li> <li>Causes, risk factors, signs and symptoms of cervical cancer</li> <li>Anatomy &amp; physiology of transformation zone and squamous columnar junction</li> <li>Screening tests and their pros and cons</li> <li>When to begin screening? For whom?</li> <li>Optimal screening intervals</li> </ul>

			<ul style="list-style-type: none"> <li>• When to stop screening?</li> <li>• Impact of HPV vaccination on future screening</li> <li>• Operational Guidelines of MoHFW, India for cervical cancer screening</li> </ul>
3	<b>Wk. 3</b> <b>21.06.25</b>	Visual Inspection with Acetic Acid (VIA) & its Evaluation	<ul style="list-style-type: none"> <li>• Brief Anatomy &amp; Physiology of transformation Zone</li> <li>• Principle of VIA</li> <li>• Brief Step-by-step procedure of VIA with video, including the preparation of 5% acetic acid</li> <li>• Interpretations of VIA in brief</li> <li>• Briefly discuss the advantages and limitations of VIA</li> </ul>
4	<b>Wk. 4</b> <b>28.06.25</b>	Treatment of CIN and Screen Positives	<ul style="list-style-type: none"> <li>• Types of ablative therapies (cryotherapy &amp; thermocoagulation, including videos)</li> <li>• Eligibility</li> <li>• Contraindications</li> <li>• Complications</li> <li>• Follow up</li> <li>• Types of excisional methods</li> <li>• Eligibility criteria for treatment with excisional methods</li> <li>• Follow up</li> </ul>
5	<b>Wk. 5</b> <b>5.07.25</b>	Case Scenarios in Cervical Cancer Screening and Management	Various cases pertaining to precancerous and cancerous cervical lesions will be discussed here. (VIA +ve, VIA -ve, Screen-and-treat cases etc.)
		Post-module 1 evaluation quiz	To assess the knowledge level of MOs with regard to cervical cancer screening after the training module

## MODULE 2: BREAST CANCER SCREENING

<b>6</b>	<b>Wk. 6</b>  <b>12.07.25</b>	Introduction to Breast Cancer Screening, SBE & CBE	<ul style="list-style-type: none"> <li>• Burden of breast cancer</li> <li>• Causes of breast cancer</li> <li>• Risk factors</li> <li>• Symptoms and signs of breast cancer</li> <li>• Screening methods</li> <li>• Operational guidelines of MoHFW, India for breast cancer screening</li> <li>• Role of follow up and referral in reducing the burden of cancer</li> </ul>
<b>7</b>	<b>Wk.7</b>  <b>19.07.25</b>	Triple Assessment for Breast Cancer Screening	<ul style="list-style-type: none"> <li>• Types of diagnostic modalities available for breast cancer screening (triple assessment)</li> <li>• Ultrasound: eligibility, advantages and limitations</li> <li>• Mammography: eligibility, advantages and limitations</li> <li>• MRI: eligibility, advantages and limitations</li> <li>• FNAC/ Biopsy</li> </ul>
<b>8</b>	<b>Wk. 8</b>  <b>26.07.25</b>	Case scenarios pertaining to breast cancer screening	Various cases pertaining to premalignant and malignant breast lesions will be discussed here.
		Post-module 2 evaluation quiz	To assess the knowledge level of MOs with regard to breast cancer screening after the training module.
		Pre-module 3 evaluation quiz	To assess the current knowledge level of MOs with regard to oral cancer screening (& tobacco cessation).

### MODULE 3: ORAL CANCER SCREENING & MISCELLANEOUS

10	<b>Wk.9</b> <b>02.08.25</b>	Introduction to Oral Cancer Screening and its risk factors	<ul style="list-style-type: none"> <li>• Burden of Oral cancer</li> <li>• Prevalence, incidence and mortality of oral cancer</li> <li>• Causes, signs and symptoms, Risk factors</li> <li>• Role of tobacco in oral cancer</li> <li>• Common sites of oral cancer</li> </ul>
9	<b>Wk. 10</b> <b>09.08.25</b>	Common abnormalities of the oral cavity	<ul style="list-style-type: none"> <li>• Screening and diagnostic modalities of oral cancer</li> <li>• Efficacy of oral examination</li> <li>• Technique of oral examination</li> <li>• Operational framework of MoHFW, India for oral cancer screening</li> </ul>
11	<b>Wk. 11</b> <b>16.08.25</b>	Interview and behavioural counselling.	<ul style="list-style-type: none"> <li>• Behavioural intervention</li> <li>• Pharmacological intervention (with focus on NRT)</li> <li>• Relapse and lapse</li> <li>• Tobacco cessation clinic - a brief</li> <li>• Target population</li> <li>• m-Health - a brief</li> </ul>
12	<b>Wk. 12</b> <b>23.08.25</b>	Tobacco cessation clinic	
14	<b>Wk.13</b> <b>30.08.25</b>	Breaking the bad news of screen positivity/cancer	<ul style="list-style-type: none"> <li>• How to break the news of screen positive news</li> <li>• How to calm down the situation in case of adverse response to the diagnosis</li> </ul>
15	<b>Wk 14</b> <b>06.09.25</b>	Infection control & Documenting Cancer Screening Results	<ul style="list-style-type: none"> <li>• Documenting</li> <li>• Infection control</li> <li>To assess the knowledge level of MOs</li> </ul>

			with regard to cervical cancer screening after the training module
		Post-module 3 evaluation quiz	To assess the knowledge level of MOs with regard to oral cancer screening & other important miscellaneous topics after the training module.
		Post-training evaluation quiz	To assess the attitudes & practice with regard to cancer screening among the MOs after the training program.

## Case Presentation Template

- ( Link provided on the website)

## Certification

### ELIGIBILITY CRITERIA FOR COURSE COMPLETION CERTIFICATE:

- Attend **at least 10** out of total 14 sessions
- **At least 1 case presentation** (on cervical, breast or oral cancer screening)
- **Minimum 50%** in each **module's post quizzes**, and **80% overall aggregate**
- Complete both pre and post training evaluation surveys.