

# Course Curriculum for Medical Officers

| Session No.                                | Date              | Title  | Learning Objectives   |
|--|-------------------|--|---|
|  | 03.01.26          | 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<br>10.01.26 | Introduction to TMC-ECHO's online Cancer Screening course<br><br>Introduction to Cancer Screening and the role of medical officers in the nations' cancer screening program                              | <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>                         |
|  |                   | 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<br>17.01.26  | 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> </ul> |

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|   |                          |  | <ul style="list-style-type: none"> <li>• Optimal screening intervals</li> <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><br>24.01.26 | 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><br>31.01.26 | 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><br>07.02.26 | 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

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| 6 | <b>Wk. 6</b><br>14.02.26 | 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> |
| 7 | <b>Wk. 7</b><br>21.02.26 | 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>                 |
| 8 | <b>Wk. 8</b><br>28.02.26 | 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

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| 10 | <b>Wk.9</b><br><b>07.03.26</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><br><b>14.03.26</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><br><b>21.03.26</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><br><b>28.03.26</b> | Tobacco cessation clinic                                   |  |
| 14 | <b>Wk. 13</b><br><b>04.04.26</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>   |

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| 15 | <b>Wk 14</b><br><b>11.04.26</b> | Infection control & Documenting<br>Cancer Screening Results | <ul style="list-style-type: none"> <li>• Documenting</li> <li>• Infection control</li> </ul> <p>To assess the knowledge level of MOs with regard to cervical cancer screening after the training module</p> |
|    |                                 | 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 15 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.