

Information Literacy and Evidence-Based Practice

Synopsis

This workshop equips healthcare professionals with practical information literacy skills required to locate, evaluate, and apply evidence in clinical practice and research. Participants will learn how to formulate structured clinical questions, conduct effective literature searches using major biomedical databases, assess evidence quality, and synthesise findings for academic and clinical writing. The programme also introduces emerging AI-assisted tools for literature discovery, enabling participants to understand both their potential and limitations within responsible research workflows.

Learning outcomes:

- Formulate well-structured clinical or research questions using the PICO framework.
- Conduct effective literature searches using keywords, Boolean operators, and MeSH terms.
- Develop systematic and reproducible search strategies across key medical databases.
- Apply AI-assisted tools responsibly to support literature discovery.
- Recognise basic principles of critical appraisal and evidence quality assessment.
- Synthesise evidence and apply appropriate citation practices in academic writing.

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AGENDA

Note: Information is accurate at time of print. Agenda is subject to changes without prior notice.
For more information on all training courses, please visit <https://talentdev.gri.nhg.com.sg>

| Time | Topic |
|------------------|--|
| 9.00 – 9.10 am | Welcome and Introduction |
| 9.10 – 9.50 am | Mini Lecture – Information Literacy in Evidence-Based Practice |
| 9.50 – 10.20 am | Group Activity – Formulating Clinical Questions Using PICO |
| 10.20 – 10.35 am | Tea Break |
| 10.35 – 11.20 am | Interactive Demonstration – Searching Medical Databases |
| 11.20 – 11.50 am | Practical Exercise – Building a Search Strategy |
| 11.50 – 12.15 pm | Mini Lecture – Evaluating Evidence Quality |
| 12.15 – 1.15 pm | Lunch Break |
| 1.15 – 1.50 pm | Mini Lecture – Designing Systematic Search Strategies |
| 1.50 – 2.20 pm | Interactive Demonstration – Systematic Searching in Practice |
| 2.20 – 2.35 pm | Tea Break |
| 2.35 – 3.05 pm | Mini Lecture – AI Tools for Literature Searching |
| 3.05 – 3.35 pm | Hands-on Exercise – AI-Assisted Search Exploration |
| 3.35 – 4.05 pm | Mini Lecture – Evidence Synthesis and Academic Writing |
| 4.05 – 4.25 pm | Group Activity – Evidence Summary Exercise |
| 4.25 – 4.40 pm | Kahoot Quiz – Key Concepts Recap |
| 4.40 – 5.00 pm | Summary, Q&A and Closing Remarks |