

## HEAL 2024: HEALTHCARE ENHANCED BY AI & LEARNING

June 19, 2024

7:30 a.m. – 4:30 p.m.

Brescia at Western University, London, Ontario

Time	Location	Session
7:30 a.m. – 8:30 a.m.	Mercato	<b>Registration &amp; Breakfast</b>
8:30 a.m. – 8:45 a.m.	Mercato	<b>Welcome</b> <b>Speakers:</b> Dr. Bill McCauley, Dr. Mark Daley
8:45 a.m. – 9:30 a.m.	Mercato	<b>Presentation with Q&amp;A:</b> The Landscape of Artificial Intelligence in Healthcare <b>Speaker:</b> Dr. Benjamin Fine <b>Learning Objectives:</b> By the end of this session, participants will be able to: <ol style="list-style-type: none"> <li>1. Describe the evolution and current state of AI-based tools in medicine.</li> <li>2. Identify the challenges and opportunities of integrating AI into medical practice.</li> <li>3. Recognize the potential impact of AI on healthcare delivery, patient outcomes, and medical research.</li> </ol>
9:30 a.m. – 10:00 a.m.	Mercato	<b>Presentation with Q&amp;A:</b> What's Out There: Generative AI Tools <b>Speaker:</b> Dr. Jaron Chong <b>Learning Objectives:</b> By the end of this session, participants will be able to: <ol style="list-style-type: none"> <li>1. Recognize generative AI tools currently available to physicians in Canada.</li> <li>2. Describe how generative AI tools can be applied in medical practice.</li> </ol>
10:00 a.m. – 10:30 a.m.	Mercato	<b>Break</b>
10:30 a.m. – 11:00 a.m.	Mercato	<b>Presentation with Q&amp;A:</b> What's Out There: Diagnostic AI Tools <b>Speaker:</b> Dr. Douglas Fraser <b>Learning Objectives:</b> By the end of this session, participants will be able to: <ol style="list-style-type: none"> <li>1. Recognize AI-based diagnostic tools currently available to physicians in Canada.</li> <li>2. Describe how AI-based diagnostic tools can be integrated in clinical workflows to enhance patient care.</li> </ol>

11:00 a.m. – 11:30 a.m.	Mercato	<p><b>Presentation with Q&amp;A:</b> What’s Out There: EMR and Scribe Tools</p> <p><b>Speaker:</b> Dr. Juan Racosta</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Recognize AI-based Electronic Medical Record (EMR) and scribe tools currently available to physicians in Canada.</li> <li>2. Describe how AI-based EMR and scribe tools can be implemented in practice to ensure data privacy and security</li> </ol>
11:30 a.m. – 12:00 p.m.	Mercato	<p><b>Presentation with Q&amp;A:</b> Legal &amp; Ethical Implications of AI in Healthcare</p> <p><b>Speaker:</b> Dr. Colleen M. Flood</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Recognize the national, provincial, and local regulations and frameworks that can influence how AI-based tools are used in medical practice.</li> <li>2. Identify ethical considerations in the context of AI-based tools.</li> </ol>
12:00 p.m. – 1:00 p.m.	Mercato	<b>Exhibition &amp; Lunch</b>
1:00 p.m. – 1:40 p.m.	Mercato	<p><b>Panel with Q&amp;A:</b> Legal &amp; Ethical Implications of AI in Healthcare</p> <p><b>Moderator:</b> Dr. Adam Gavarkovs</p> <p><b>Panelists:</b> Dr. Colleen M. Flood, Dr. Benjamin Fine, Dr. Dennis Desai</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify the conditions under which the use of AI-based tools can exacerbate inequities in care.</li> <li>2. Identify ethical considerations in the context of AI-based tools.</li> <li>3. Recognize the current liability and legal considerations for physicians using AI in practice in Canada.</li> </ol>
1:45 p.m. – 2:30 p.m.	Mercato	<p><b>Workshop A:</b> Hands-on with Generative AI Tools (participants choose one)</p> <p><b>Facilitator:</b> Dr. Fredrik Odegaard</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p>

1. Develop strategies for how generative AI tools can be applied in medical practice.
2. Apply generative AI tools for literature search related to clinical research and medical practice.
3. Identify ethical considerations resulting from the design of generative AI tools.

1:45 p.m. – 2:30 p.m.	Academic Pavilion (room TBD)	<p><b>Workshop A:</b> Hands-on with Diagnostic AI Tools (participants choose one)</p> <p><b>Facilitator:</b> Dr. Juan Racosta</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how AI-based diagnostic tools can be integrated into clinical workflows to enhance patient care.</li> </ol>
1:45 p.m. – 2:30 p.m.	Academic Pavilion (room TBD)	<p><b>Workshop A:</b> Hands-on with EMR &amp; Scribe Tools (participants choose one)</p> <p><b>Facilitator:</b> Dr. Kellie Scott</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how AI-based EMR and scribe tools can be implemented in practice to ensure data privacy and security.</li> </ol>
1:45 p.m. – 2:30 p.m.	Academic Pavilion (room TBD)	<p><b>Workshop A:</b> Hands-on with Patient-Facing Tools (participants choose one)</p> <p><b>Facilitator:</b> Dr. Keith Thompson</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how physicians can facilitate patients' use of AI tools to enhance their self-management practices.</li> </ol>
2:30 p.m. – 3:00 p.m.	Mercato	<b>Break</b>
3:00 p.m. – 3:45 p.m.	Mercato	<p><b>Workshop B:</b> Hands-on with Generative AI Tools (participants choose one)</p> <p><b>Facilitator:</b> Dr. Fredrik Odegaard</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Develop strategies for how generative AI tools can be applied in medical practice.</li> <li>2. Apply generative AI tools for literature search related to clinical research and medical practice.</li> </ol>

3. Identify ethical considerations resulting from the design of generative AI tools.

3:00 p.m. – 3:45 p.m.	Academic Pavilion (room TBD)	<p><b>Workshop B:</b> Hands-on with Diagnostic AI Tools (participants choose one)</p> <p>Facilitator: Dr. Juan Racosta</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how AI-based diagnostic tools can be integrated into clinical workflows to enhance patient care.</li> </ol>
3:00 p.m. – 3:45 p.m.	Academic Pavilion (room TBD)	<p><b>Workshop B:</b> Hands-on with EMR &amp; Scribe Tools (participants choose one)</p> <p>Facilitator: Dr. Kellie Scott</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how AI-based EMR and scribe tools can be implemented in practice to ensure data privacy and security.</li> </ol>
3:00 p.m. – 3:45 p.m.	Academic Pavilion (room TBD)	<p><b>Workshop B:</b> Hands-on with Patient-Facing Tools (participants choose one)</p> <p>Facilitator: Dr. Keith Thompson</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Describe how physicians can facilitate patients' use of AI tools to enhance their self-management practices.</li> </ol>
3:50 p.m. – 4:30 p.m.	Mercato	<p><b>Panel with Q&amp;A:</b> Future Trends at the Intersection of AI &amp; Healthcare</p> <p><b>Moderator:</b> Dr. Wael Haddara</p> <p><b>Panelists:</b> Dr. Douglas Fraser, Dr. Juan Racosta, Dr. Rob Arntfield</p> <p><b>Learning Objectives:</b> By the end of this session, participants will be able to:</p> <ol style="list-style-type: none"> <li>1. Identify future trends in the evolution and of AI-based tools in healthcare.</li> </ol>