

12 - Role of Artificial Intelligence in Patient-centred care and Shared Decision Making

Samira Abbasgholizadeh-Rahimi¹

¹Faculty of Medicine, Department of Family Medicine, McGill University

Background:

Research into artificial intelligence has drastically increased around the world and artificial intelligence tools are increasingly being applied in different fields and industries including health care. Artificial intelligence is being used to harness and analyze big data to improve efficiency and personalization in health care. It is already being used for image analysis in radiology, pathology, and dermatology, with a diagnostic speed exceeding that of medical experts and equaling and even excelling their accuracy (1). Artificial intelligence could improve equality of access to care; increase the speed of care; increase the quality of care; enable more patient-centered care, and so more undiscovered potentials and benefits. Patient-centered care and Shared Decision Making (SDM) as an essential aspect of patient-centered care can benefit enormously from artificial intelligence. However, little is known on the use and potential impact of artificial intelligence on SDM.

The aim of the workshop:

The overall aim of this workshop is to raise the awareness on artificial intelligence and its potential for improving patient-centered care and SDM among SDM society, exchange ideas, and shed light on the future work in this topic.

Target audience:

All participants with an interest in the topic including researchers, patients and caregivers, health professionals, engineers, policy makers, and trainees.

Methods for organizing the workshop:

An interactive workshop, including analogy introduction, brief presentations, two individual/group activities, and a facilitated discussion. We will produce a report to circulate among participants after the conference. (Participants are required to bring their laptops or tablets or smartphones to be able to participate in the workshop activities).

References:

(1) Hosny, Ahmed et al. Nature reviews. Cancer vol. 18,8 (2018): 500-510.