Abstract

Artificial Intelligence (AI) is transforming healthcare and the patient-provider relationship. AI detects emotional states, identifies patterns in health records and diagnostic data, and assists with diagnoses and prognoses. Social robots and intelligent virtual agents can now serve as therapeutic coaches, companions, trainers, assistants, and consultants - roles that human professionals have traditionally performed. AI-enabled mobile technologies are also changing telemedicine and self-care, enabling all-new capabilities for patient care and public health. Additional leaps in AI and associated technologies are set to disrupt psychiatry and behavioral health professions even further, but are you ready for these changes? This lecture covers some of the most recent and near-future advancements in telemedicine, mobile technologies, and artificial intelligence applications in psychiatric and behavioral healthcare. Ethical considerations and some overlooked risks, dangers, limitations, and opportunities are covered. This lecture will interest the clinician, health administrator, and researcher alike.

References: