

Joseph Zabinski, PhD, MEM: Navigating the Future of AI in Skin Cancer Detection

Key Takeaways:

1. Increasing Adoption of AI in Dermatology:
 - AI tools for skin cancer detection are becoming more acceptable to patients and physicians. They are no longer seen as exotic and can improve diagnosis by providing risk information based on skin images.
2. Current Achievements and Limitations of AI Platforms:
 - AI platforms reduce barriers for patients by allowing them to receive preliminary information about dermatological issues at home. However, these tools are not perfect: they may not be trained on representative samples, may not always generalize results to all patient populations, and may incorrectly convey uncertainty or variability in their conclusions.
3. Ethical Use of AI:
 - At OM1, emphasis is placed on training AI on high-quality, representative data. It is important that information obtained with AI supports rather than replaces patient and physician decisions, minimizing risks and building trust in technology.
4. OM1's Role in AI Education and Use:
 - OM1 is engaged in promoting ethical use of AI in clinical practice by developing methods to manage and minimize bias in AI. The main goal is for AI to support informed decision-making and improve patient consent.
5. Educational Initiatives:
 - OM1 highlights the importance of involving clinicians in the education and understanding of AI. This includes explaining how AI can improve current practices and minimally disrupt them, as well as demonstrating the value of AI in enhancing treatment quality.
6. Expectations and Future of AI in Dermatology:
 - AI tools for skin cancer detection will become more popular, accurate, and useful. Overcoming current challenges will lead to significant improvements in early detection, timely interventions, and personalized treatment plans.