MD-PhD Session

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MD-PhD Collaboration in Deep Learning Research: Learning from Mistake and Other Modality

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Recently, deep learning has been shown to be a powerful tool in computer vision, voice recognition, and natural-language processing, and gained a widespread attention for application in medical research. Convolutional neural network (CNN), a class of deep learning methods that has emerged as one of the most effective tools for pattern recognition has been applied to the analysis of medical imaging. In this presentation, the presenter will talk about his research experience and what he learned from the early mistake in applying deep learning to medical imaging modalities. He will also present his recent work on skin lesion diagnosis using deep learning and talk about recent trend in the application of artificial intelligence-based techniques in medical imaging modalities.

Keywords: Deep learning