MED Insight LT

PALMs
Perceptual Adaptive Learning Modules

PUBLICATIONS RELEVANT TO INSIGHT’S LEARNING PRODUCTS

Insight’s medical learning products grow out of extensive scientific research at the UCLA Human Perception Laboratory and the David Geffen UCLA School of Medicine. This document lists scientific publications relating to Insight’s medical learning products and their basis in scientific research. The first section includes articles that provide evidence relating to the scientific foundations in perception, perceptual learning, memory, adaptive learning, and learning technology. The second section includes articles that specifically test our learning technology in real-world learning domains, including medical learning domains. Peer-reviewed papers in scientific journals or edited volumes are marked with an asterisk (*). Some papers that contain both significant basic research advances and tests of applications in real-world learning appear in both sections.

I. Basic Scientific Research Establishing the Effectiveness of Perceptual and Adaptive Learning Technology


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II. Formally Assessed Applications of Perceptual and Adaptive Learning Modules (PALMs) in Real-World Learning Domains

Medical Learning

Niemann, J.T., Stevens, C.D., Kellman, P.J. & Krasne, S. Mastering ECG Interpretation skills through a perceptual and adaptive learning module. Under review, Advances in Health Science Education.


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STEM (Science, Technology, Engineering & Mathematics) Learning


Music Learning:


Geography Learning:


Chinese Character Learning:


Biological Classifications: