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Title: Musculoskeletal Anatomy Education: Evaluating the Influence of Different Teaching and Learning Activities on Medical Students Perception and Academic Performance

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Running title: Musculoskeletal Anatomy Education

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ABSTRACT

Medical schools have traditionally used a lecture and dissection-based approach for educating students about human anatomy. There is growing interest in the adoption of alternative teaching and learning activities (TLAs) that incorporate the use of cadaveric prosection and computer-based learning into musculoskeletal (MSK) anatomy curricula. The purpose of this investigation was to examine retrospectively how different TLAs influenced student perceptions about learning, and performance on MSK anatomy examinations. Pre-clerkship students from the same medical school were compared. One group completed 15 hours of dissection-based laboratory instruction; another group completed 15 hours of prosection-based laboratory instruction. All

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