Kara Gange, PhD, ATC, LAT
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Research areas: Therapeutic modalities and Diagnostic Ultrasound

Current and post research study topics: therapeutic ultrasound: 3 MHz heating rates of Dynatron Solaris® and Chattanooga Intelect® machines, 2 MHz ultrasound heating rates, therapeutic ultrasound blood flow increases via diagnostic ultrasound. Diagnostic ultrasound: acromiohumeral distance (AHD) measurements with subacromial impingement, normal AHD measurements, diagnostic ultrasound verifying Kinesio Tape® methods, and effects of Graston Technique® on patellar tendinosis. Game Ready: cooling effects of Game Ready® vs cubed ice bag, and cooling effects of Game Ready® and wetted ice bag.

Katie Lyman, PhD, ATC, LAT, NREMT, CKTF
Assistant Professor
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Research areas: Kinesio® Tape and Emergency Medicine.

Current and post research study topics: investigating the role of Kinesio® Tape for the following musculoskeletal injuries: subacromial impingement, patellofemoral pain syndrome, pronation, and patellar tendonitis; comparing different brands of kinesiology tape; combining Kinesio® Tape and other modalities (e.g., cryotherapy). Cardiopulmonary Resuscitation (CPR): Athletic Trainers’ ability to perform CPR over protective athletic equipment, role of deliberate feedback, subjective and objective measures of fatigue, previous musculoskeletal injury and ability to perform high-quality CPR, emergency responders’ (firefighters’) scores following volitional fatigue.