

TABLE E1. Student Levels of Confidence in Ability to Perform Musculoskeletal Physical Examination Techniques and Data Interpretation

Confidence Level	Overall F	Before Physical Examination Workshop	After Physical Examination Workshop	After Bellringer Session
Shoulder examination	155.78*	4.32	5.66*	6.80*
Elbow examination	210.96*	4.23	5.73*	7.04*
Hand examination	205.47*	4.12	5.56*	7.06*
Adult hip examination	152.40*	4.28	5.44*	6.72*
Infant hip examination	8.99*	4.44	4.67	6.38*
Knee examination	92.92	4.96	5.91*	7.06*
Foot examination	101.72*	4.04	5.53*	6.70*
Recognizing patterns of joint involvement	266.20*	3.85	5.30*	7.12*
Recognizing bursitis and tendinitis	255.25*	3.45	4.93*	6.72*
Evaluating synovial thickening	296.99*	2.93	4.48*	6.47*
Interpreting synovial fluid	333.18*	3.15	4.51*	6.88*
Evaluating hand pain	245.21*	3.36	4.69*	6.43*
Evaluating foot pain	236.27*	3.39	4.69*	6.44*
Overall ability to evaluate musculoskeletal problems	326.77*	3.87	5.38*	6.84*

\*Indicates  $p < 0.0001$  for post hoc pairwise comparisons with pre-workshop levels of confidence.

TABLE E2. Student Ratings for Each Course Element

Element Rated	2000*	2001	2002	2003
Course overall	2.59	2.27	2.03	1.86
Course organization	2.50	2.30	1.93	1.87
Clarity of course objectives	2.53	2.68	2.14	2.03
Lecture quality	2.50	2.31	2.03	1.94
New course elements				
Anatomy review	NA	2.50	NA	NA
Multidisciplinary cases	NA	2.50	NA	NA
Physical examination	NA	1.91	1.72	1.88
Workshop				
Bellringer sessions	NA	1.48	1.60	1.48
Small group	2.4	NA	NA	NA
Course web site	NA	2.61	2.46	2.71

Rating scale: 1 = excellent and 5 = poor. Standard deviations ranged from 0.48 to 1.07, N = 92 to 110. Changes in course evaluations of <0.50 are not significant. \*Scores in 2000 are the average scores for the rheumatology and orthopaedics segments in the year prior to implementation of the new integrated musculoskeletal disease course.