

Groups compared	Compared with regard to	P value	Statistical test
Patients examined by ED physician vs. those examined by radiologist	Proportion of conclusive examinations	0.008	X <sup>2</sup> (Fishers exact test)
Patients examined by ED physician vs. those examined by radiologist	Age	0.689	Mann-Whitney-U-Test
Patients examined by ED physician vs. those examined by radiologist	BMI	0.162	Mann-Whitney-U-Test
Patients examined by experienced ED sonographers vs. those examined by unexperienced ED sonographers	Proportion of conclusive examinations	<0.001	X <sup>2</sup> (Fishers exact test)
Conclusive versus inconclusive exams	BMI	0.654	Mann-Whitney-U-Test
Conclusive versus inconclusive exams	gender		
Conclusive versus inconclusive exams	age	0.953	Mann-Whitney-U-Test
Conclusive versus inconclusive exams	temperature	0.662	Mann-Whitney-U-Test
Conclusive versus inconclusive exams	CRP	0.758	Mann-Whitney-U-Test
Conclusive versus inconclusive exams	Leucocyte count	0.926	Mann-Whitney-U-Test
Conclusive versus inconclusive exams	Alvarado score	0.616	Mann-Whitney-U-Test

**Supplemental table 1: statistical tests used and their findings.**