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Table 3

Accuracy of Signs

Signs by Source	Sensitivity	Specificity	Positive Likelihood Ratio (95% Confidence Interval)	Negative Likelihood Ratio (95% Confidence Interval)
RLQ tenderness				
Summary of level 3 studies			1.3 (1.1-1.4)	0.45 (0.35-0.59)
Pearl et al, ²⁰ 1995	0.97	0.05	1.0 (0.99-1.1)	0.54 (0.25-1.1)
Kharbanda et al, ³⁷ 2005	0.80	0.41	1.4 (1.2-1.5)	0.49 (0.35-0.70)
Dolgin et al, ⁴⁷ 1992	0.81	0.52	1.7 (1.2-2.3)	0.37 (0.23-0.61)
Paajanen and Somppi, ⁵⁵ 1996	0.93	0.18	1.1 (0.97-1.3)	0.40 (0.12-1.4)
Rebound tenderness				
Summary of level 3 studies			3.0 (2.3-3.9)	0.28 (0.14-0.55)
Kharbanda et al, ³⁷ 2005	0.53	0.80	2.6 (2.0-3.5)	0.59 (0.50-0.71)
Graham et al, ⁴⁴ 1980	0.84	0.86	5.9 (2.4-14.6)	0.19 (0.13-0.28)
Van den Broek, ⁵³ 2004	0.88	0.76	3.7 (2.0-6.9)	0.16 (0.08-0.32)
Rectal tenderness				
Summary of level 3 studies			2.3 (1.3-4.1)	0.70 (0.56-0.87)
Dickson and MacKinlay, ³⁹ 1985	0.53	0.88	4.4 (2.5-7.6)	0.53 (0.43-0.66)
Dixon et al, ⁴¹ 1991	0.48	0.60	1.2 (0.87-1.7)	0.87 (0.68-1.1)
Kharbanda et al, ³⁷ 2005	0.27	0.90	2.8 (1.3-6.2)	0.81 (0.67-0.98)
Bonello and Abrams, ⁵⁴ 1979	0.55	0.75	2.2 (0.65-7.4)	0.60 (0.38-0.95)
Psoas sign				
Kharbanda et al, ³⁷ 2005	0.36	0.86	2.5 (1.7-3.7)	0.75 (0.66-0.86)
Lintula et al, ⁴⁸ 2005	0.26	0.87	2.0 (0.92-4.1)	0.86 (0.71-1.0)
Localized abdominal tenderness				
O'Shea et al, ³⁵ 1988	0.21	0.81	1.1 (0.47-2.4)	1.0 (0.79-1.2)
Pain with percussion, hopping, cough				
Kharbanda et al, ³⁷ 2005	0.78	0.62	2.0 (1.7-2.4)	0.36 (0.26-0.50)
Abdominal distention				
Graham et al, ⁴⁴ 1980	0.23	0.96	6.5 (0.93-45.5)	0.80 (0.71-0.89)
Lintula et al, ⁴⁸ 2005	0.16	0.93	2.3 (0.82-6.4)	0.90 (0.78-1.0)
Diffuse peritonitis				
Paajanen and Somppi, ⁵⁵ 1996	0.24	1.00	25.0 (1.5-414.1)	0.76 (0.63-0.90)
Abdominal mass				
Graham et al, ⁴⁴ 1980	0.12	1.00	6.9 (0.43-111.0)	0.90 (0.83-0.97)
Guarding				
Kharbanda et al, ³⁷ 2005	0.62	0.63	1.6 (1.4-2.0)	0.61 (0.49-0.76)
Dolgin et al, ⁴⁷ 1992	0.86	0.67	2.6 (1.7-3.9)	0.21 (0.12-0.36)
Bowel sounds decreased (vs increased/normal)				
Kharbanda et al, ³⁷ 2005	0.33	0.87	2.5 (1.6-3.7)	0.77 (0.68-0.88)
CVA tenderness				
Kharbanda et al, ³⁷ 2005	0.09	0.90	0.87 (0.45-1.7)	1.0 (0.95-1.1)
Obturator sign				
Kharbanda et al, ³⁷ 2005	0.28	0.87	2.2 (1.4-3.4)	0.82 (0.73-0.93)
Rovsing sign				
Kharbanda et al, ³⁷ 2005	0.30	0.84	1.9 (1.3-2.8)	0.83 (0.74-0.93)