On-line Table 1: Specificity, sensitivity, and AUC[a]

	Infection	Control	*P* Value	Specificity	Sensitivity	AUC
Psoas musculature						
T2 hyperintensity						
None	4	46	NS			
Present[b]	47	4	<.001	92% (80%–97.4%)	92.1% (80%–97.4%)	0.92 (0.87–0.97)
Enhancement						
None	5	34	NS			
Present	40	5	<.001	87.1% (71.8%–95.2%)	88.9% (75.2%–95.8%)	0.88 (0.81–0.95)
Abscess						
None	29	38	NS			
Present	18	1	<.001	97.4% (84.9%–99.9%)	38.3% (24.9%–53.6%)	0.67 (0.59–0.74)
Vertebral bodies						
T1						
Isointense	3	40	NS			
Hypointense	46	10	<.001	80% (65.8%–89.5%)	90.2% (77.8%–96.3%)	0.85 (0.78–0.92)
Hyperintense	2	0	NS			
T2						
Isointense	3	37	NS			
Hypointense	3	0	NS			
Hyperintense	45	13	<.001	74% (59.7%–85.4%)	88.2% (76.1%–95.6%)	0.81 (0.74–0.89)
Endplates						
Intact	9	42	NS			
Eroded	6	1	NS			
Destroyed	36	7	<.001	86% (73.3%–94.2%)	70.6% (56.2%–82.5%)	0.78 (0.70–0.86)
Enhancement						
None	0	31	NS			
Endplate	17	6	.03	84.6% (68.8%–93.6%)	37.8% (24.2%–53.5%)	0.61 (0.52–0.70)
Diffuse	28	2	<.001	94.9% (81.4%–99.1%)	62.2% (46.5%–75.8%)	0.78 (0.70–0.87)
Discs						
Height						
Normal	11	33	NS			
Loss <50%	19	13	NS			
Loss >50%	12	4	NS			
Increased	9	0	.003	100% (92.9%–100%)	17.6% (8.4%–30.9%)	0.59 (0.54–0.64)
T2						
Isointense	4	34	NS			
Hypointense	3	4	NS			
Hyperintense	44	12	<.001	86.3% (73.7%–94.3%)	76% (61.8%–86.9%)	0.81 (0.74–0.89)
Enhancement						
None	5	30	NS			
Focal	23	4	<.001	89.7% (74.8%–96.7%)	51.1% (35.9%–66.1%)	0.70 (0.62–0.79)
Rim	14	3	.01	92.3% (79.1%–98.4%)	31.1% (18.2%–46.6%)	0.62 (0.54–0.70)
Diffuse	3	2	NS			
Epidural Space						
Phlegmon						
None	9	37	NS			
Present	38	2	<.001	94.9% (82.7%–99.4%)	80.9% (66.7%–90.9%)	0.88 (0.81–0.95)
Abscess						
None	35	39	NS			
Present	11	0	<.001	100% (91%–100%)	23.9% (12.6%–38.8%)	0.62 (0.56–0.68)

Note:—NS indicates not statistically significant (*P* > .05).
[a] Values in parentheses are 95% confidence intervals.
[b] Imaging psoas sign.

On-line Table 2: Positive likelihood ratios[a]

	Positive Likelihood Ratio
Epidural phlegmon	15.8 (4.06–61.2)
Psoas abscess	14.9 (2.10–106.9)
Diffuse vertebral body enhancement	12.13 (3.09–47.7)
Psoas T2 hyperintensity[b]	11.5 (4.5–29.6)
Psoas enhancement	6.9 (3.0–15.8)
Endplate destruction	5.04 (2.48–10.2)
Focal disc enhancement	4.98 (1.89–13.16)
Rim disc enhancement	4.04 (1.25–13.04)
Vertebral body T1 hypointensity	4.51 (2.57–7.91)
Disc T2 hyperintensity	3.59 (2.17–5.96)
Vertebral body T2 hyperintensity	3.39 (2.1–5.47)
Endplate vertebral body enhancement	2.46 (1.07–5.6)
Epidural abscess	NA[c]
Increased disc height	NA[c]

Note:—NA indicates not applicable.
[a] Values in parentheses are 95% confidence intervals.
[b] Imaging psoas sign.
[c] No false-positive to calculate positive likelihood ratio.

On-line Table 3: Negative likelihood ratios[a]

	Negative Likelihood Ratio
Psoas T2 hyperintensity[b]	0.09 (0.03–0.20)
Vertebral body T1 hypointensity	0.12 (0.05–0.28)
Psoas enhancement	0.13 (0.06–0.29)
Vertebral body T2 hyperintensity	0.16 (0.07–0.34)
Disc T2 hyperintensity	0.18 (0.09–0.37)
Epidural phlegmon	0.20 (0.11–0.37)
Endplate destruction	0.34 (0.22–0.53)
Diffuse vertebral body enhancement	0.40 (0.27–0.58)
Focal disc enhancement	0.55 (0.40–0.74)
Psoas abscess	0.63 (0.50–0.79)
Endplate vertebral body enhancement	0.74 (0.58–0.93)
Rim disc enhancement	0.75 (0.61–0.91)
Epidural abscess	0.76 (0.65–0.90)
Increased disc height	0.82 (0.73–0.94)

[a] Values in parentheses are 95% confidence intervals.
[b] Imaging psoas sign.