







## **Triage Duration**

## Statistics for abdominal pain

"...patients wait an average of 60-90 minutes to be assessed, then remain an additional 150-180 minutes for investigations and observation before a disposition is made. For patients found to have appendicitis, the total time in the ER is greater than 300 minutes, while those admitted with other causes of abdominal pain have an average length of stay greater than 380 minutes..."





Abdominal Pain (cont.)			
Age	numeric (discretized)		
Sex	male, female		
Site of pain	RLQ, lower abdomen, other		
Type of pain	constant, intermittent		
Duration of pain	numeric (discretized)		
Vomiting	yes, no		
Previous visit to ER	yes, no		
Temperature	numeric (discretized)		
Site of tenderness	RLQ, lower abdomen, other		
Rebound tenderness	yes, no		
Muscle guarding	yes, no		
Shifting of pain	yes, no		
WBC	numeric (discretized)		





Scrotal	Pain (cont.)
<ul> <li>Clinical f</li> </ul>	features
Age	numeric (discretized)
Onset of pain	acute, gradual
Site of pain	left, right, both
Type of pain	constant, intermittent
Vomiting	yes, no
Swelling	left, right, both, none
Tenderness	upper pole, posteriori, entire testis, not specific, none
Cord palpable	normal, abnormal
Cremasteric reflex	normal, abnormal
Lie	normal, elevated, transverse, transverse & elevated
WBC	numeric (discretized)
Temperature	numeric (discretized)
WBCS/HPS	numeric (discretized)



Scrotal Pain (cont.) Inconsistent charts				
Age	8 years (< 11 years)	3 years (< 11 years)		
Onset of pain	?	acute		
Location of pain	right testis	right testis		
Type of pain	intermittent	intermittent		
Vomiting	no	no		
Swelling	none	none		
Tenderness	none	none		
Cord palpable	normal	?		
Lie	normal	normal		
Cremasteric reflex	normal	normal		
WBC	?	?		
Temperature	36.8 °C (< 37 °C)	36.3 °C (< 37 °C)		
WBCS/HPS	3 (negative)	negative		
Discharge diagnosis	torsion of appendix testis $(\rightarrow \text{ observation})$	Resolved torsion of testis $(\rightarrow \text{ consult})$		



Hip Pain (	cont.)
Age	numeric (discretized)
Sex	male, female
Duration of pain	numeric (discretized)
Location of pain	medial hip, lateral hip, both, thigh
Type of pain	constant, with movement only, with WB only
Positional pain	yes, no
Patient wakes up at night	yes, no
Limp present	yes, no
Limp limits activity	yes, no
Patient refuses to WB	yes, no
Radiation of pain	localized to hip, to knee, to thigh, to back
Alleviating factors	none, rest, NSIDS, pain medication, positional
Hx of trauma	yes, no

Hip Pain (co Clinical featu	nt.) I <b>res</b>
Hx of fever	yes, no
Other joints involved	yes, no
Hip swelling	yes, no
Hip position	normal, ER, flexed, abducted
ROM	normal, limited (1 dir.), limited ( $\geq$ 2 dir.)
Pain with passive movement	no pain, ER, IR, flexion, compression,
Tenderness	medial hip, lateral hip, no tenderness
Gait/ambulation	normal, painful, unable to WB, reduced WB
Temperature	numeric (discretized)
WBC	numeric (discretized)
ESR	numeric (discretized)
X-Ray	normal, slip, fracture, other





























ME	ET in Actio	n				
<ul> <li>Comparison of MET and U/S classification accuracies</li> <li>U/S → golden standard for abdominal pain</li> </ul>						
		U/S	MET			
	Sensitivity	80.0%	86.7%			
	Specificity	95.7%	82.9%			
	PPV	88.9%	68.4%			
	NPV	91.8%	93.5%			
	Classification Accuracy	91.0%	84.0%			





