Accuracy of pancreatic stone protein for the diagnosis of infection in hospitalized adults: a systematic review and individual patient level meta-analysis

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Figure 1: Study Selection.

Records identified through Medline database searching (n = 44)

Records identified through Cochrane Library searching (n = 3)

Records after duplicates removed (n = 44)

Records screened (n = 44)

Records excluded based on review of titles and abstracts (n = 27)

Full-text articles assessed for eligibility (n = 17)

Full text articles excluded (n = 12):
1. same cohort (1)
2. pediatric studies (5)
3. postmortem study (1)
4. healthy patients only (1)
5. review (1)
6. infected patients only (2)
7. no information on infection status (1)

Studies including patients with and without infection (n = 5) (631 participants)
Figure 2: ROC curve analysis of PSP (A) compared to the ones of CRP (red) and PCT (green) (B) for the detection of infection in adult hospitalized patients. The cut-off values of the biomarkers were determined by the Youden's index as (A) PSP 44.18 ng/ml with the corresponding ROC AUC = 0.81 and AUC 95% CI (0.78, 0.85); (B) CRP 99.05 mg/l with AUC 0.77 (0.73, 0.80) and PCT 0.20 ng/ml with AUC 0.78 (0.74, 0.82).