

### **Comparative Analysis of Scoring Systems for Predicting Mortality in Acute Pancreatitis**

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#### **Abstract**

**Background:** In the view of need for early identification of cases of Acute Pancreatitis [AP] who may end up dying in spite of rigorous treatment measures, many scores have been proposed claiming to be superior in doing so. This study compares 5 newer scores which are possible to be assessed in first few hours of admission with mortality as outcome.

**Methods:** It's a retrospective study of 200 consecutive cases of first episodes of AP in a tertiary care centre in India. Scores were compared at their optimal cut off values by sensitivity, specificity, Positive and Negative predictive Values and Odds ratios.

**Results:** This study showed maximum sensitivity of mortality prediction by HAPS, but best PPV by CTSI. Best specificity was achievable by HAPS.

**Conclusion:** The newer scores have a reliable predictive capability for mortality outcome at earlier stage of management, irrespective of severity of AP.

**Key words:** acute pancreatitis, scores, prediction of mortality