PRO-TROPICS Pilot Study

Prognostic Value of Elevated Troponins in Critical Illness Study

Research Question

Is it feasible to conduct a study in critically ill patients to assess the prognostic value of troponin elevations?
## Results

<table>
<thead>
<tr>
<th></th>
<th>No trop elevation</th>
<th>Isolated trop elevation</th>
<th>MI</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>132 (50%)</td>
<td>31 (12%)</td>
<td>99 (38%)</td>
</tr>
</tbody>
</table>
Are troponin elevations associated with mortality?

Troponins elevations are frequent in critical illness

Most patients with troponin elevations meet MI criteria

Association with mortality remains uncertain

Conclusion
Thank you!

• **Hard work**: Amazing PRO-TROPICS team
• **$$**: Hamilton Health Sciences and PSI Foundation
• **Support**: CIHR doctoral award
Feasibility objectives

**A PRIORI**

1. Feasibility of recruiting efficiently in 3 centers
   282 eligible patients
2. Time required for data collection and study procedures
   1hr day 1/20 min sub days
3. Deferred consent success rate
   81% success

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4. Compliance with study procedures for troponins and ECGs
   75% for troponins
   85% for ECGs