



## **Supporting Information**

### **The Canadian Syncope Risk Score, developed by Thiruganasambandamoorthy and colleagues (2016)**

This appendix was part of the submitted manuscript and has been peer reviewed.  
It is posted as supplied by the authors.

Appendix to: Chan J, Hunter J, Morel D, et al. Evaluating patients presenting to the emergency department after syncope: validation of the Canadian Syncope Risk Score. *Med J Aust* 2019; doi: 10.5694/mja2.50147.

## Canadian Syncope Risk Score developed by Thiruganasambandamoorthy and colleagues<sup>1</sup>

a) Clinical predictors of serious adverse events

| Category   | Points          |
|--|-----------------|
| <b>Clinical evaluation</b>                                       |                 |
| Predisposition to vasovagal symptoms*                            | -1              |
| History of heart disease <sup>†</sup>                            | 1               |
| Any systolic pressure reading < 90 or > 180 mmHg <sup>‡</sup>    | 2               |
| <b>Investigations</b>  |                 |
| Elevated troponin level (> 99th percentile of normal population) | 2               |
| Abnormal QRS axis (< -30° or > 100°)                             | 1               |
| QRS duration > 130 ms  | 1               |
| Corrected QT interval > 480 ms                                   | 2               |
| <b>Diagnosis in emergency department</b>                         |                 |
| Vasovagal syncope  | -2              |
| Cardiac syncope  | 2               |
| <b>Total score</b>   | <b>-3 to 11</b> |

b) Scoring system for risk of serious adverse events

| Total score | Estimated risk of serious adverse event <sup>§</sup> | Risk category |
|-------------|--|---------------|
| -3          | 0.4%   | Very low      |
| -2          | 0.7%   | Very low      |
| -1          | 1.2%   | Low           |
| 0           | 1.9%   | Low           |
| 1           | 3.1%   | Medium        |
| 2           | 5.1%   | Medium        |
| 3           | 8.1%   | Medium        |
| 4           | 12.9%  | High          |
| 5           | 19.7%  | High          |
| 6           | 28.9%  | Very high     |
| 7           | 40.3%  | Very high     |
| 8           | 52.8%  | Very high     |
| 9           | 65.0%  | Very high     |
| 10          | 75.5%  | Very high     |
| 11          | 83.6%  | Very high     |

\* Triggered by being in a warm crowded place, prolonged standing, fear, emotion or pain.

† Includes coronary or valvular heart disease, cardiomyopathy, congestive heart failure and non-sinus rhythm (electrocardiogram evidence during index visit or documented history of ventricular or atrial arrhythmias, or device implantation).

‡ Includes blood pressure values from triage until disposition from the emergency department.

§ Shrinkage-adjusted expected risk.

## Reference

- 1 Thiruganasambandamoorthy V, Kwong K, Wells GA, et al. Development of the Canadian Syncope Risk Score to predict serious adverse events after emergency department assessment of syncope. CMAJ 2016; 188: E289-E298.