**Appendix A: Search Strategy for Embase**

**Database: Embase Classic+Embase <1947 to 2018 April 25>
Search Strategy:**--------------------------------------------------------------------------------
1     (door adj3 (ECG or EKG or electrocardiog\*)).tw,kw. (149)
2     (arrival adj3 (ECG or EKG or electrocardiog\*)).tw,kw. (178)
3     (D2E or D2ECG or D2EKG).tw,kw. (24)
4     or/1-3 (328)
5     ST segment elevation myocardial infarction/di (1792)
6     thorax pain/di [Diagnosis] (2726)
7     chest pain.ti. (9473)
8     heart infarction/di [Diagnosis] (19446)
9     acute coronary syndrome/di [Diagnosis] (3674)
10     (stemi or (st adj2 elevation)).ti. (20052)
11     or/5-10 (52459)
12     emergency ward/ or emergency health service/ (188537)
13     (emergency department\* or emergency room\*).tw. (133922)
14     12 or 13 (226849)
15     electrocardiography/ or electrocardiogram/ (263387)
16     (ECG or EKG or electrocardiog\*).ti. (50815)
17     15 or 16 (269689)
18     time to treatment/ or \*time/ or time.tw. (3711549)
19     11 and 14 and 17 and 18 (695)
20     4 or 19 (946)
21     intervention study/ (36167)
22     (intervention\* or implement\*or strateg\*).tw,kw. (1134724)
23     total quality management/ or quality improvement.tw. (64809)
24     (fast track or expedit\* or improv\*).tw. (2909735)
25     (triage protocol or triage process).tw. (557)
26     continuing education/ or education\*.tw. (634534)
27     or/21-26 (4171392)
**28     20 and 27 (597)**