

Additional file 1

Search strategy

Medline (EBSCO)

- S1 MH "Syncope+" OR TI (syncop* OR presyncope* OR (Drop N1 Attack*) OR fainting) OR SU (syncop* OR presyncope* OR (Drop N1 Attack*) OR fainting)
- S2 MH "Triage" OR TI triag*
- S3 S1 AND S2
- S4 MH "Emergency Medicine+" OR MH "Emergency Medical Services" OR MH "Transportation of Patients+" OR MH "Emergency Service, Hospital+" OR MH "Advanced Trauma Life Support Care" OR MH "Emergency Medical Technicians" OR TI ((Emergenc* N1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma N1 (center* OR centre*)) OR (Emergency N1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* or "pre hospital") N2 care) OR EMT OR (emergency N2 medical N2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) N2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*))) OR AB ((Emergenc* N1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma N1 (center* OR centre*)) OR (Emergency N1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* or "pre hospital") N2 care) OR EMT OR (emergency N2 medical N2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) N2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*))) OR SU ((Emergenc* N1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma N1 (center* OR centre*)) OR (Emergency N1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* or "pre hospital") N2 care) OR EMT OR (emergency N2 medical N2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) N2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*)))
- S5 MH "Syncope+/DI" OR TI ((drop N1 attack) OR syncope OR presyncope) N5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*) OR AB ((drop N1 attack) OR syncope OR presyncope) N5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*) OR SU ((drop N1 attack) OR syncope OR presyncope) N5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*)
- S6 S4 AND S5
- S7 TI ((syncope N3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope N3 (rose OR oesil OR SFSR OR CSRS))) OR AB ((syncope N3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope N3 (rose OR oesil OR SFSR OR CSRS))) OR SU ((syncope N3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope N3 (rose OR oesil OR SFSR OR CSRS)))
- S8 MH "Clinical Decision-Making" OR MH "Decision Support Techniques+" OR MH "Decision Making+" OR MH "Risk Assessment+" OR TI ((Risk N1 (Stratificati* OR assess*)) OR (Decision N1 Support N1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision N1 (Rule* OR making)) OR (Clinical N1 Prediction N1 Guid*) OR Prognosis OR (Serious N1 outcome*) OR (Serious N1 adverse N1 event*) OR (Risk N1 scale*) OR Algorithm*) OR AB ((Risk N1 (Stratificati* OR assess*)) OR (Decision N1 Support N1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision N1 (Rule* OR making)) OR (Clinical N1 Prediction N1 Guid*) OR Prognosis OR (Serious N1 outcome*) OR (Serious N1 adverse N1 event*) OR (Risk N1 scale*) OR Algorithm*) OR SU ((Risk N1 (Stratificati* OR assess*)) OR (Decision N1 Support N1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision N1 (Rule* OR making)) OR (Clinical N1 Prediction N1 Guid*) OR Prognosis OR (Serious N1 outcome*) OR (Serious N1 adverse N1 event*) OR (Risk N1 scale*) OR Algorithm*)

- S9 S1 AND S8
- S10 S3 OR S6 OR S7 OR S9

CINAHL+ with full text (EBSCO)

- S1 MH "Syncope+" OR TI (syncop* OR presyncope* OR (Drop N1 Attack*) OR fainting) OR SU (syncop* OR presyncope* OR (Drop N1 Attack*) OR fainting)
- S2 MH "Triage" OR TI triag*
- S3 S1 AND S2
- S4 MH "Emergency Medicine" OR MH "Emergency Medical Services" OR MH "Emergency Service" OR MH "Emergency Services, Psychiatric" OR MH "Transportation of Patients+" OR MH "Trauma Centers" OR MH "Advanced Trauma Life Support Care" OR MH "Emergency Medical Technicians" OR TI ((Emergenc* N1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma N1 (center* OR centre*)) OR (Emergency N1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* OR "pre hospital") N2 care) OR EMT OR (emergency N2 medical N2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) N2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*))) OR AB ((Emergenc* N1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma N1 (center* OR centre*)) OR (Emergency N1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* OR "pre hospital") N2 care) OR EMT OR (emergency N2 medical N2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) N2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*))) OR SU ((Emergenc* N1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma N1 (center* OR centre*)) OR (Emergency N1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* OR "pre hospital") N2 care) OR EMT OR (emergency N2 medical N2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) N2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*)))
- S5 MH "Syncope+/DI" OR TI ((drop N1 attack) OR syncope OR presyncope) N5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*) OR AB ((drop N1 attack) OR syncope OR presyncope) N5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*) OR SU ((drop N1 attack) OR syncope OR presyncope) N5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*)
- S6 S4 AND S5
- S7 TI ((syncope N3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope N3 (rose OR oesil OR SFSR OR CSRS))) OR AB ((syncope N3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope N3 (rose OR oesil OR SFSR OR CSRS))) OR SU ((syncope N3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope N3 (rose OR oesil OR SFSR OR CSRS)))
- S8 MH "Decision Making, Clinical" OR MH "Decision Support Systems, Clinical" OR MH "Decision Support Techniques+" OR MH "Decision Making" OR MH "Decision Making, Shared" OR MH "Risk Assessment" OR TI ((Risk N1 (Stratificati* OR assess*)) OR (Decision N1 Support N1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision N1 (Rule* OR making)) OR (Clinical N1 Prediction N1 Guid*) OR Prognosis OR (Serious N1 outcome*) OR (Serious N1 adverse N1 event*) OR (Risk N1 scale*) OR Algorithm*) OR AB ((Risk N1 (Stratificati* OR assess*)) OR (Decision N1 Support N1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision N1 (Rule* OR making)) OR (Clinical N1 Prediction N1 Guid*) OR Prognosis OR (Serious N1 outcome*) OR (Serious N1 adverse N1 event*) OR (Risk N1 scale*) OR Algorithm*) OR SU ((Risk N1 (Stratificati* OR assess*)) OR (Decision N1 Support

N1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision N1 (Rule* OR making)) OR (Clinical N1 Prediction N1 Guid*) OR Prognosis OR (Serious N1 outcome*) OR (Serious N1 adverse N1 event*) OR (Risk N1 scale*) OR Algorithm*)

S9 S1 AND S8

S10 S3 OR S6 OR S7 OR S9

Embase.com (OVID)

- 1 heat syncope/ or presyncope/ OR (syncop* OR presyncope* OR (Drop ADJ1 Attack*) OR fainting).ti,kw.
- 2 triag*.ti.
- 3 1 AND 2
- 4 exp emergency medicine/ OR exp emergency health service/ OR exp patient transport/ OR exp emergency care/ OR rescue personnel/ OR ((Emergenc* ADJ1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma ADJ1 (center* OR centre*)) OR (Emergency ADJ1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* or "pre hospital") ADJ2 care) OR EMT OR (emergency ADJ2 medical ADJ2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) ADJ2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*))).ti,ab,kw.
- 5 exp faintness/di OR ((drop ADJ1 attack) OR syncope OR presyncope) ADJ5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*).ti,ab,kw.
- 6 4 AND 5
- 7 ((syncope ADJ3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope ADJ3 (rose OR oesil OR SFSR OR CSRS))).ti,ab,kw.
- 8 decision making/ or exp clinical decision making/ or medical decision making/ or shared decision making/ OR clinical decision support system/ OR exp decision support system/ OR risk assessment/ OR ((Risk ADJ1 (Stratificati* OR assess*)) OR (Decision ADJ1 Support ADJ1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision ADJ1 (Rule* OR making)) OR (Clinical ADJ1 Prediction ADJ1 Guid*) OR Prognosis OR (Serious ADJ1 outcome*) OR (Serious ADJ1 adverse ADJ1 event*) OR (Risk ADJ1 scale*) OR Algorithm*).ti,ab,kw.
- 9 1 AND 8
- 10 3 OR 6 OR 7 OR 9
- 11 limit 10 to conference abstract status
- 12 10 NOT 11

Cochrane central

- #1 syncop* OR presyncope* OR (Drop NEAR/1 Attack*) OR fainting):ti,kw
- #2 triag*:ti
- #3 #1 AND #2
- #4 ((Emergenc* NEAR/1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma NEAR/1 (center* OR centre*)) OR (Emergency NEAR/1 (Unit* OR ward*

- OR room*)) OR EMS OR ((prehospital* or "pre hospital") NEAR/2 care) OR EMT OR (emergency NEAR/2 medical NEAR/2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) NEAR/2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*)):ti,ab,kw
- #5 ((drop NEAR/1 attack) OR syncope OR presyncope) NEAR/5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*):ti,ab,kw
- #6 #4 AND #5
- #7 TS=((syncope NEAR/3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope ADJ3 (rose OR oesil OR SFSR OR CSRS))):ti,ab,kw
- #8 ((Risk NEAR/1 (Stratificati* OR assess*)) OR (Decision NEAR/1 Support NEAR/1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision NEAR/1 (Rule* OR making)) OR (Clinical NEAR/1 Prediction NEAR/1 Guid*) OR Prognosis OR (Serious NEAR/1 outcome*) OR (Serious NEAR/1 adverse NEAR/1 event*) OR (Risk NEAR/1 scale*) OR Algorithm*):ti,ab,kw
- #9 #1 AND #8
- #10 #3 OR #6 OR #7 OR #9

Web of Science Core Collection

- #1 TS=(syncop* OR presyncope* OR (Drop NEAR/1 Attack*) OR fainting)
- #2 TI=triag*
- #3 #1 AND #2
- #4 TS=((Emergenc* NEAR/1 (Service* OR department* OR medicine* OR care OR centre* OR center*)) OR (trauma NEAR/1 (center* OR centre*)) OR (Emergency NEAR/1 (Unit* OR ward* OR room*)) OR EMS OR ((prehospital* or "pre hospital") NEAR/2 care) OR EMT OR (emergency NEAR/2 medical NEAR/2 technician*) OR paramedic* OR ((emergency OR Rescue OR recovery OR EMS) NEAR/2 (worker* OR personnel OR provider* OR staff OR practitioner* OR nurs*)))
- #5 TS=((drop NEAR/1 attack OR syncope OR presyncope) NEAR/5 (diagnosis OR asses* OR screen* OR predict* OR score* OR checklist* OR risk* OR rule* OR measur*))
- #6 #4 AND #5
- #7 TS=((syncope NEAR/3 (score* OR rule* OR measur*)) OR "Osservatorio Epidemiologico sulla Sincope nel Lazio" OR (syncope ADJ3 (rose OR oesil OR SFSR OR CSRS))
- #8 TS=((Risk NEAR/1 (Stratificati* OR assess*)) OR (Decision NEAR/1 Support NEAR/1 Technique*) OR ("Risk-Stratification") OR (Clinical N1 Decision NEAR/1 (Rule* OR making)) OR (Clinical NEAR/1 Prediction NEAR/1 Guid*) OR Prognosis OR (Serious NEAR/1 outcome*) OR (Serious NEAR/1 adverse NEAR/1 event*) OR (Risk NEAR/1 scale*) OR Algorithm*)
- #9 #1 AND #8
- #10 #3 OR #6 OR #7 OR #9