

APPENDIX D3 – Additional forest plots and analyses

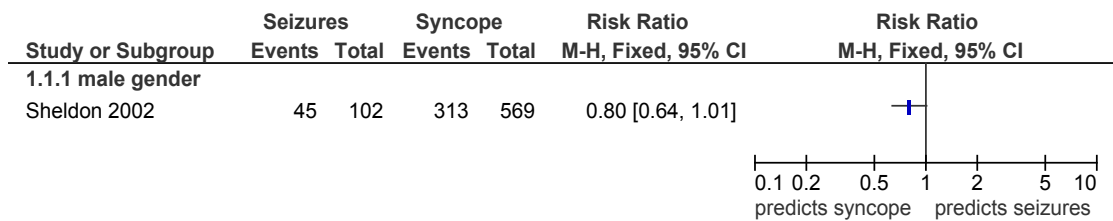
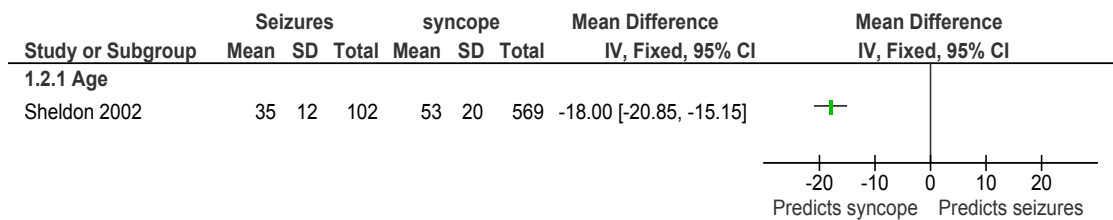
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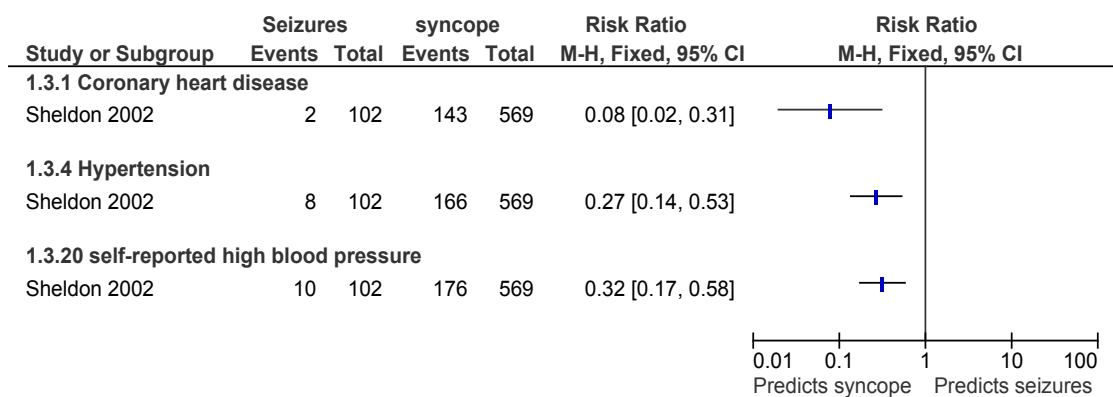
1 Forest plots showing predictors for diagnosis of syncope or adverse events

1.1 *Epileptic seizures versus syncope: signs and symptoms for differential diagnosis - univariate predictors (likelihood ratios or mean differences)*

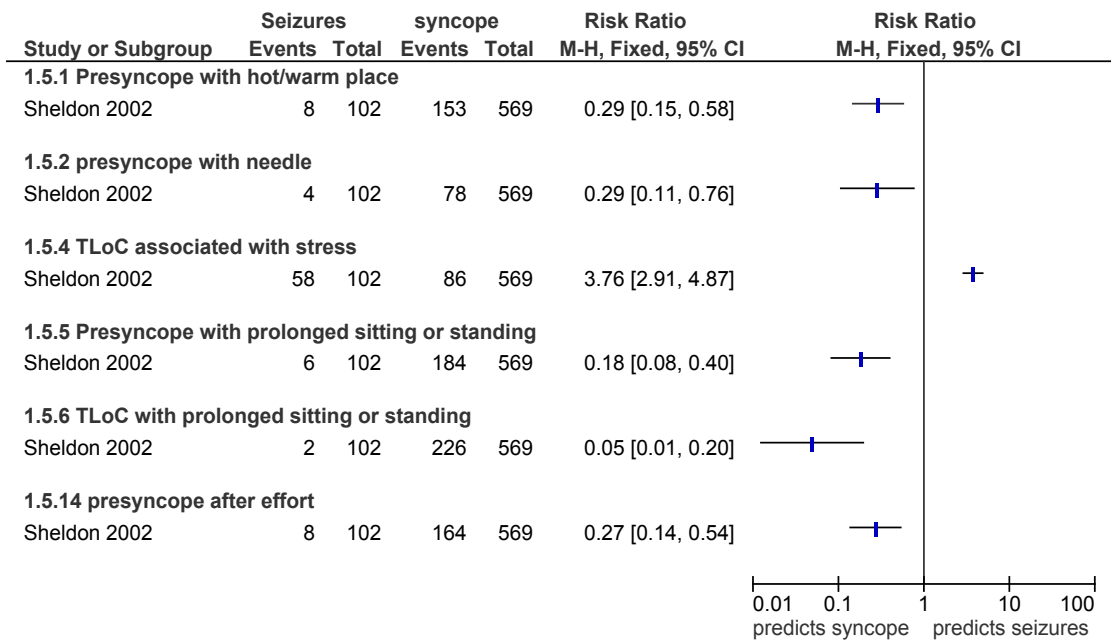
1.1.1 Patient characteristics



1.1.2 Medical history



1.1.3 Predisposing/Precipitating factors

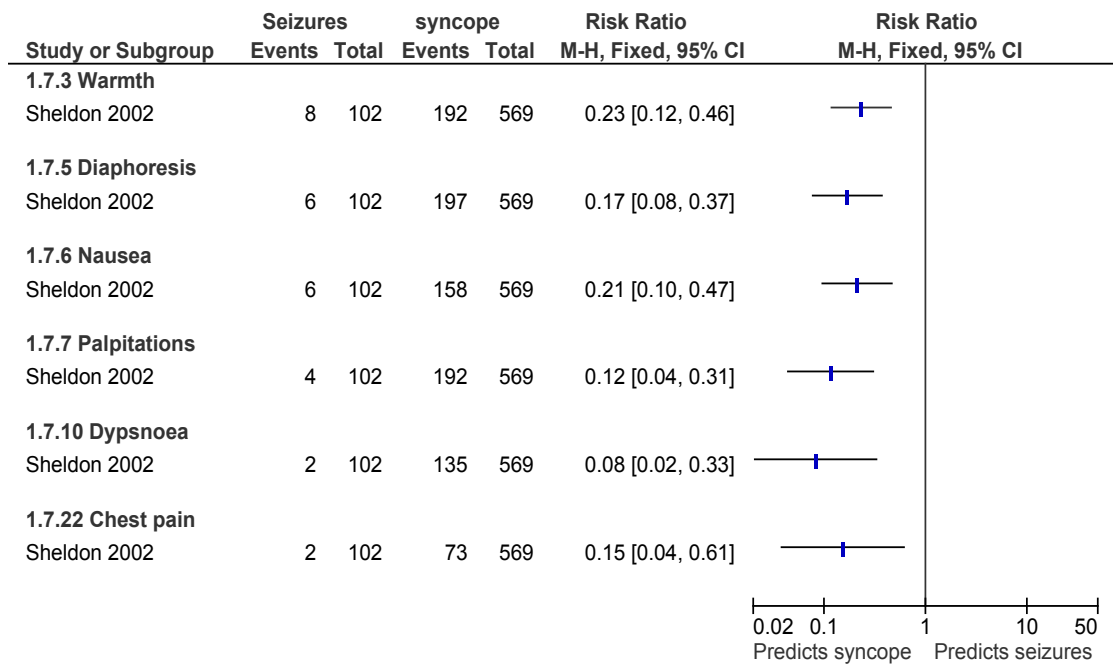
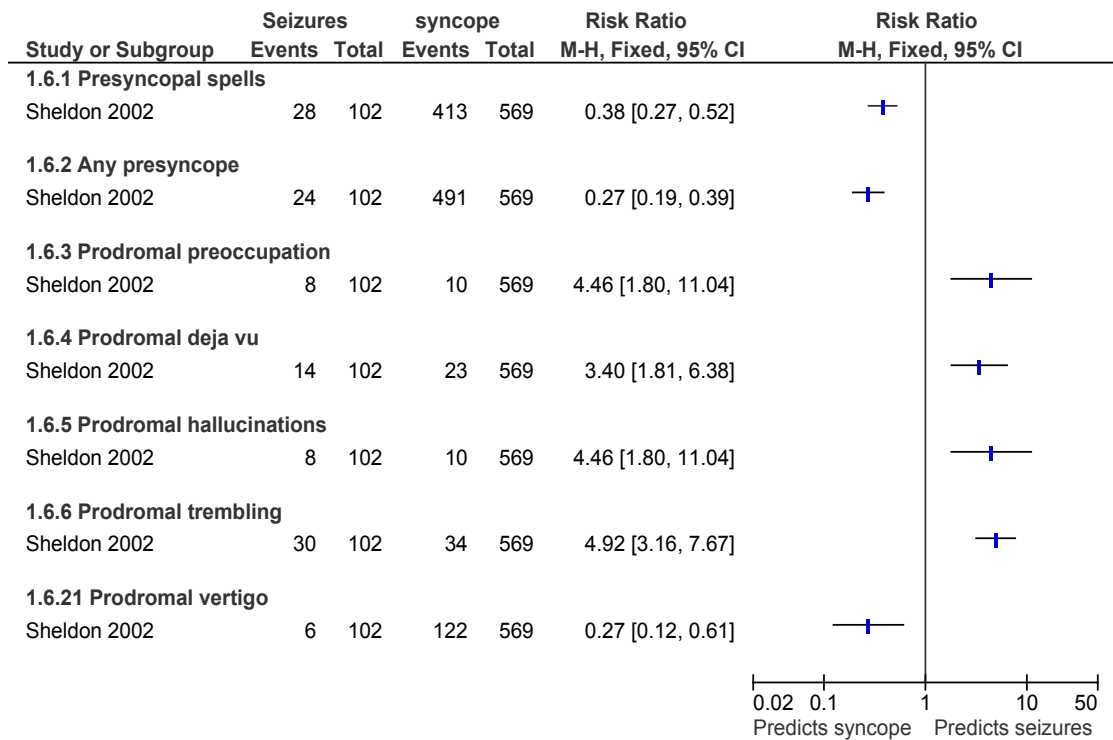


1.1.4 TLoC history

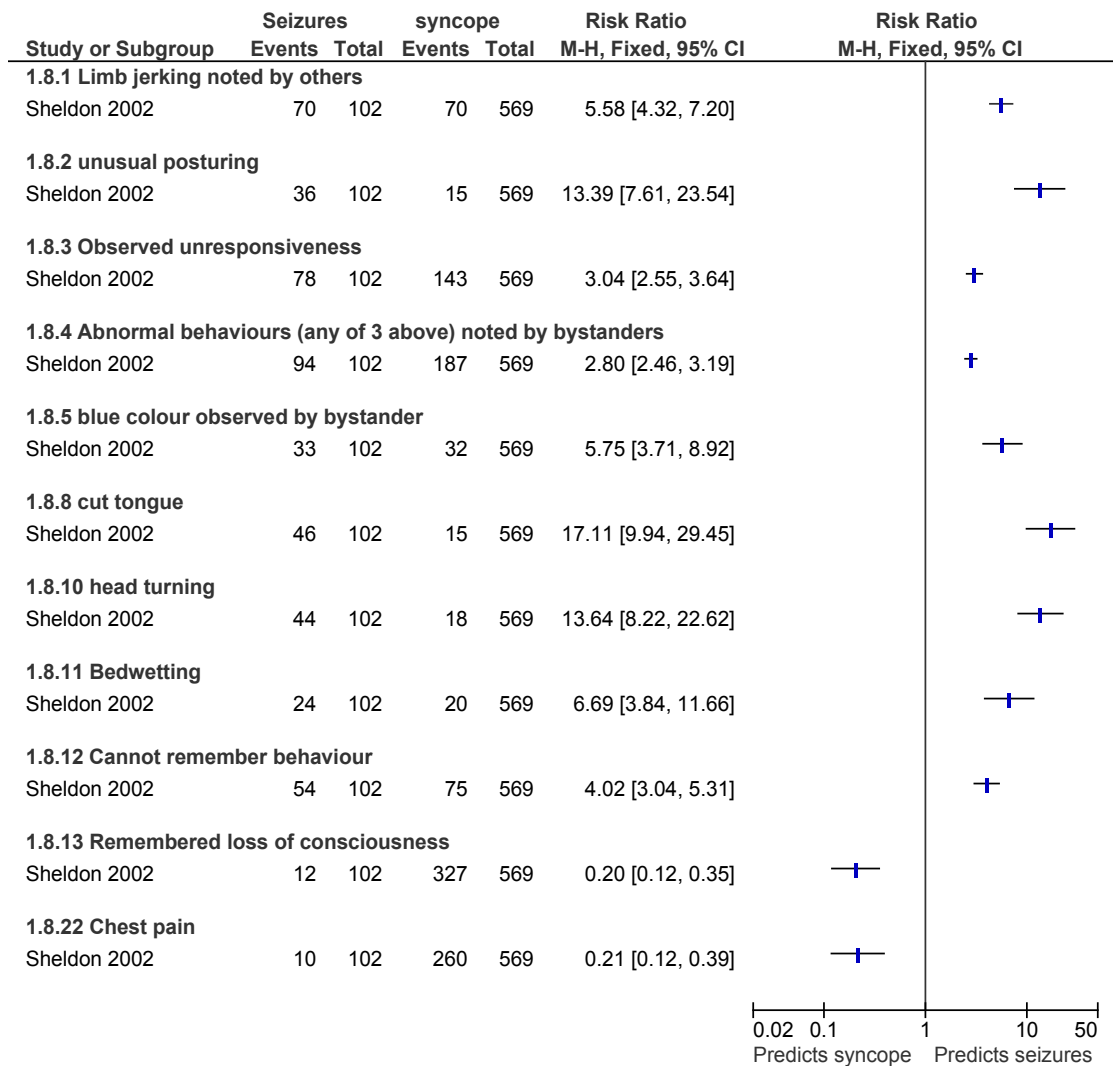
The authors also reported that there were significant differences in TLoC history:

- seizure patients had more episodes of TLoC than those with syncope: median 168 spells (IQR 20 to 450) versus 3 spells (IQR 2 to 8); $p < 0.001$
- Seizure patients had a longer history of TLoC: median 186 months (IQR 67 to 352) versus 24 months (IQR 0.33 to 169); $p < 0.001$.

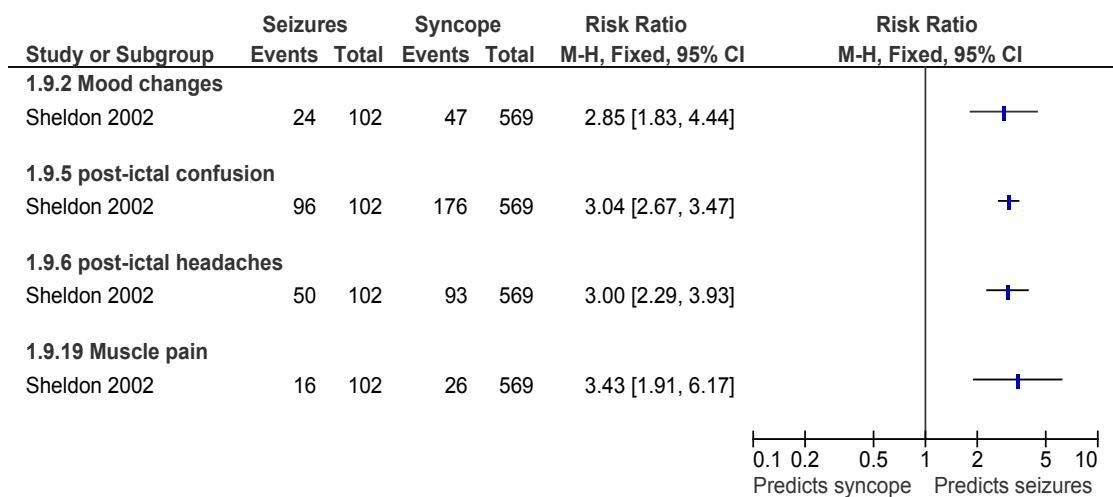
1.1.5 Prodromal symptoms pre-TLoC



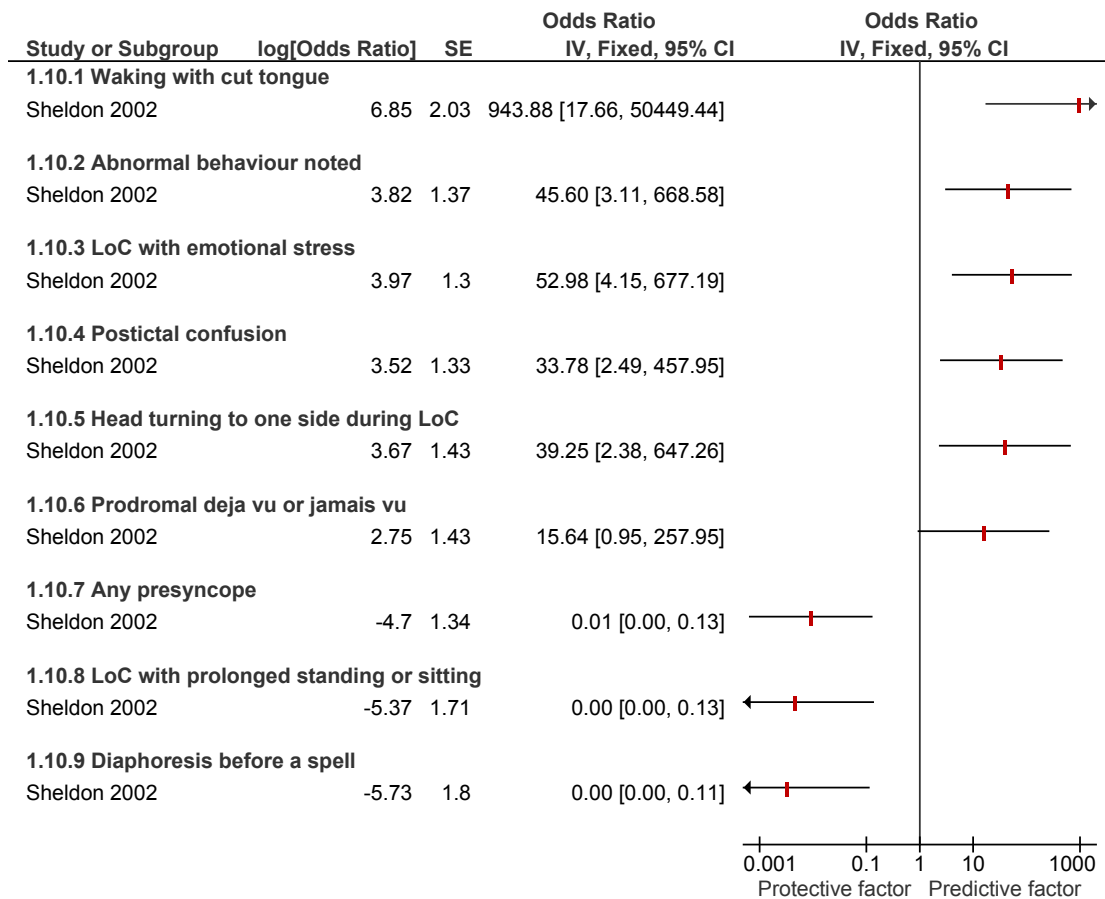
1.1.6 Signs and symptoms during TLoC



1.1.7 Prodromal symptoms after TLoC

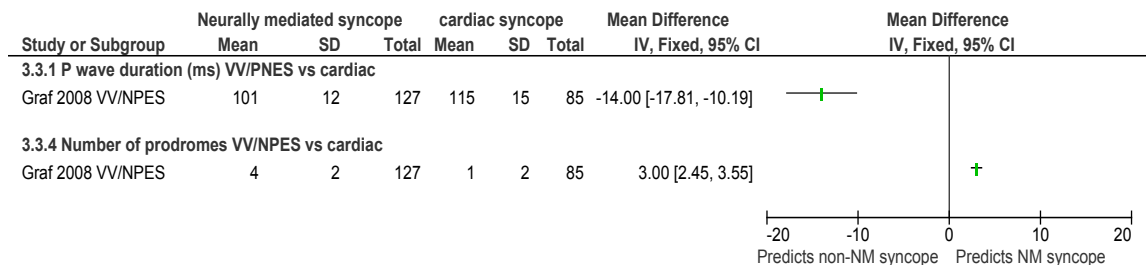
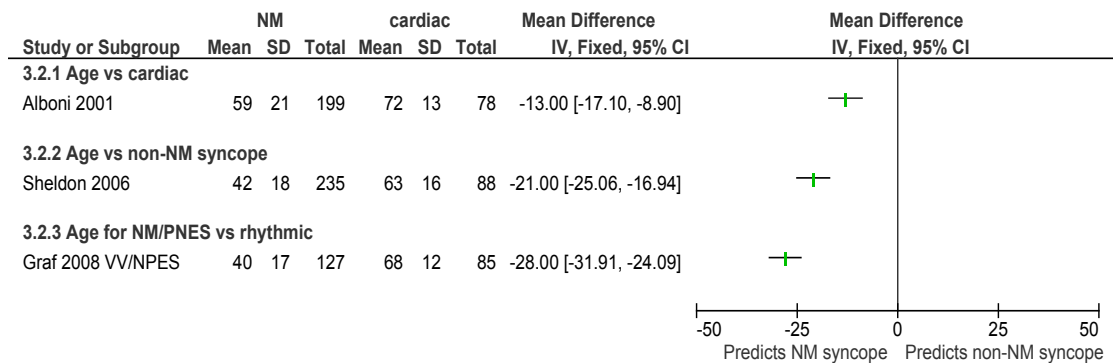
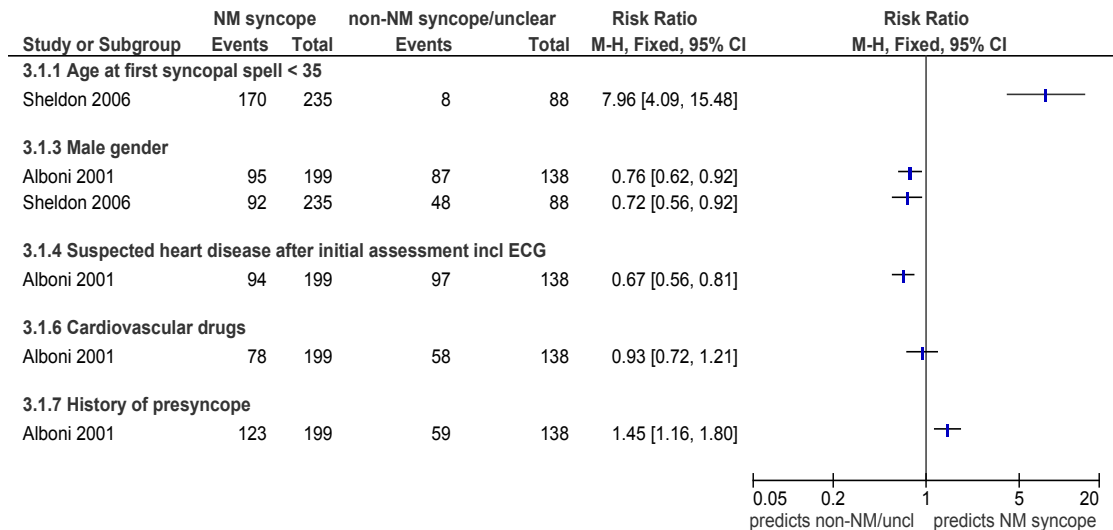


1.1.8 Epileptic seizures versus syncope: signs and symptoms for prediction of a diagnosis of seizures - multivariate predictors (odds ratios)

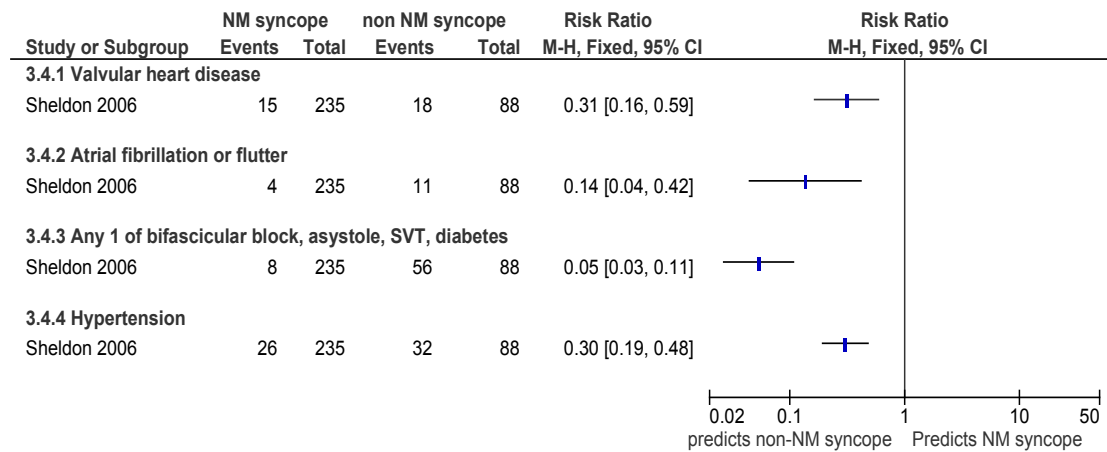


1.2 *Neurally mediated syncope versus other syncope: signs and symptoms for differential diagnosis - univariate predictors (likelihood ratios or mean differences)*

1.2.1 Patient characteristics



1.2.2 Medical history

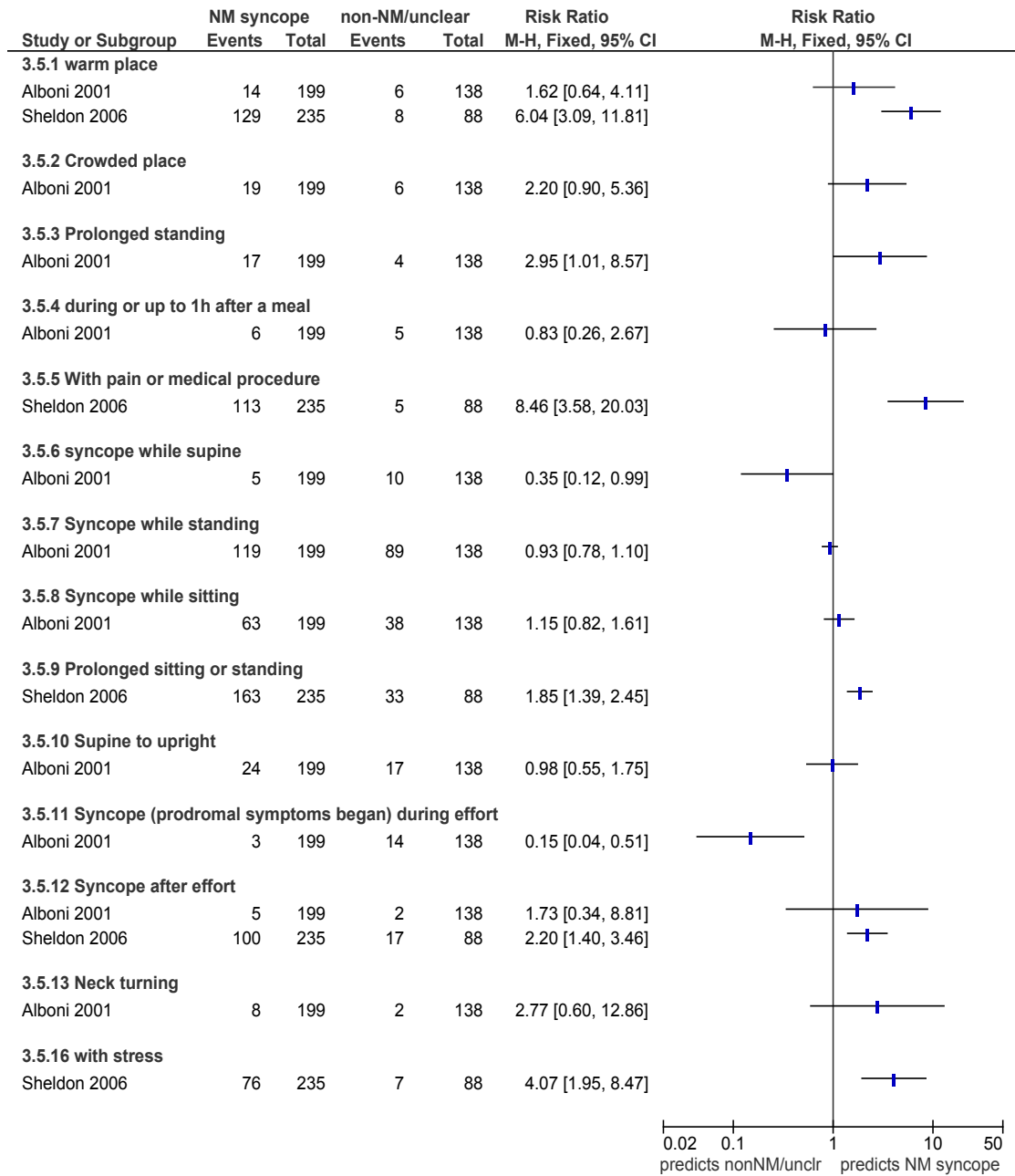


1.2.3 TLoC history

The Sheldon (2006) study also reported that there were significant differences in TLoC history:

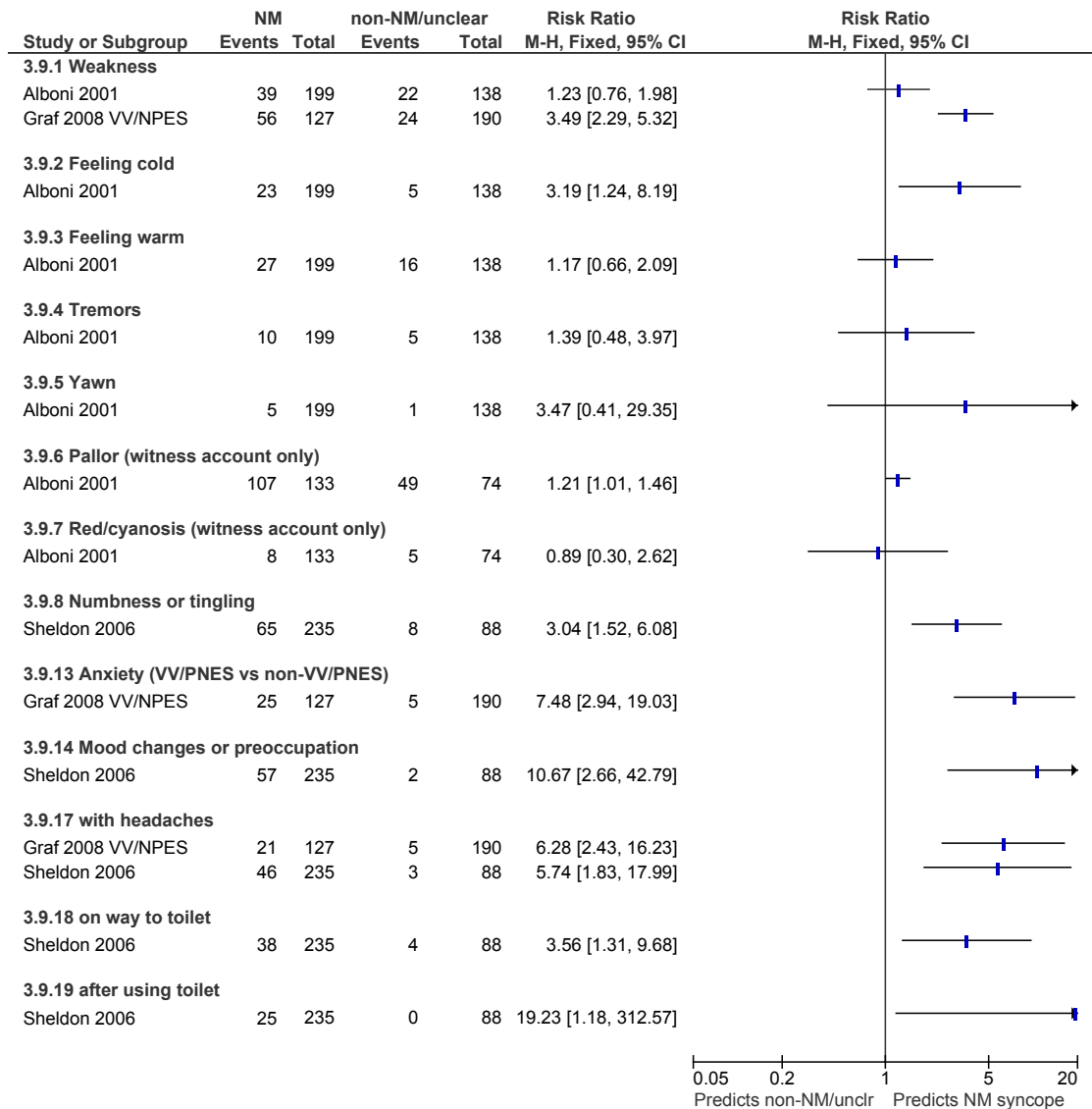
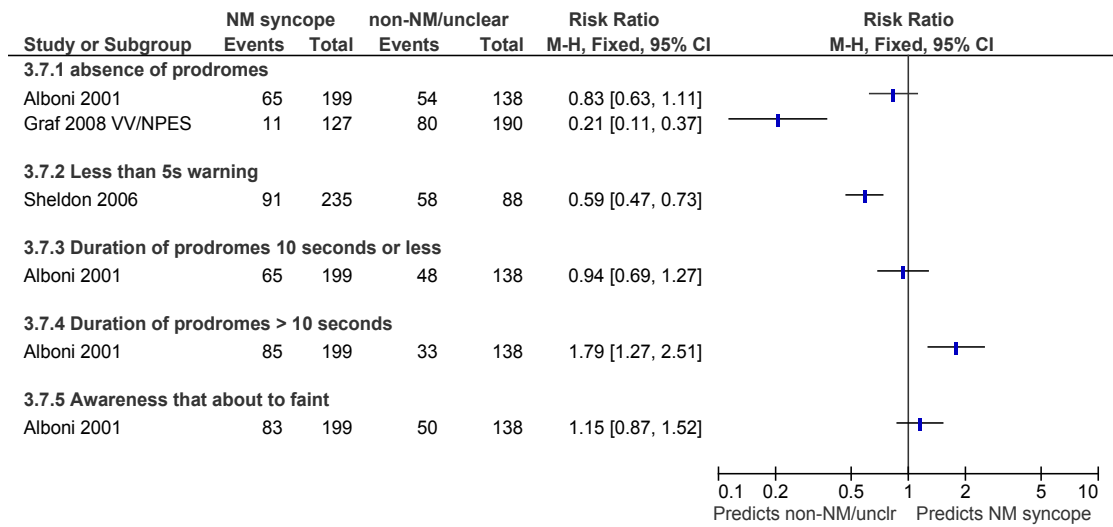
- Patients with tilt positive vasovagal syncope had more episodes of TLoC than those with other known forms of syncope (about 84% cardiac syncope): median 6 spells (IQR 3 to 20) versus 2 spells (IQR 1 to 5); $p < 0.001$
- Tilt positive patients had a longer history of TLoC: median 100 months (IQR 13 to 268) versus 1month (IQR 0 to 16); $p < 0.001$.

1.2.4 Predisposing/precipitating factors

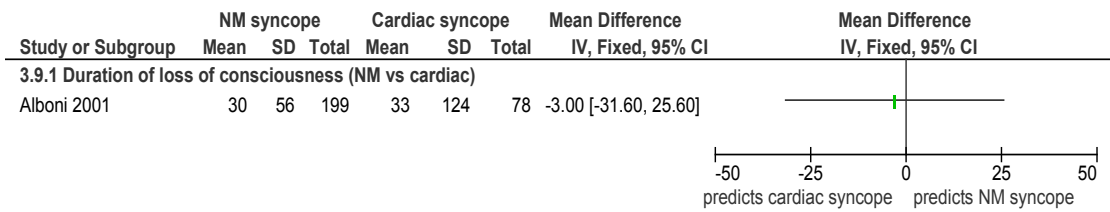


We note that Sheldon (2006) reported pre-syncope after exercise.

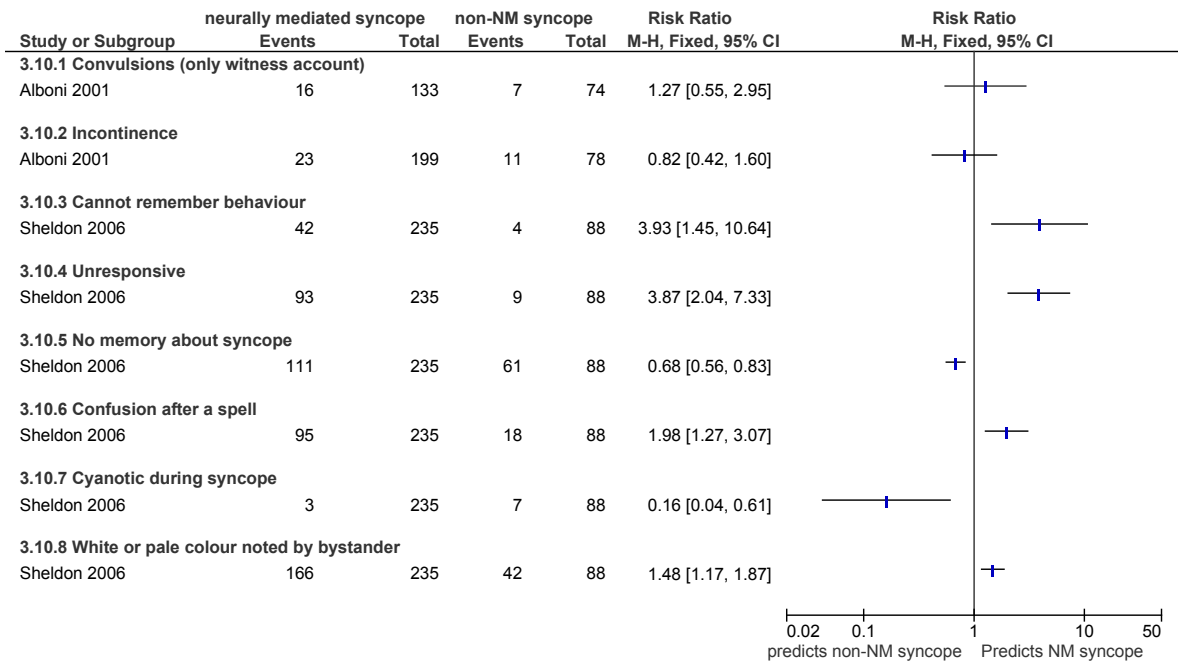
1.2.5 Prodromal signs and symptoms pre-TLoC



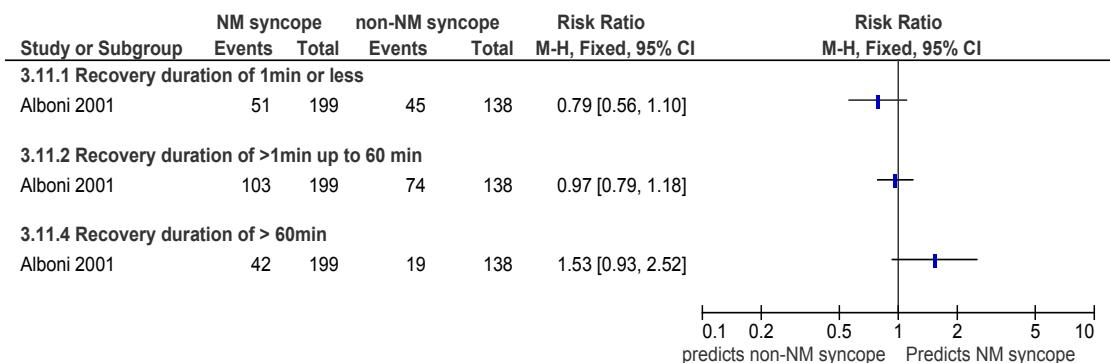
1.2.6 Duration of TLoC



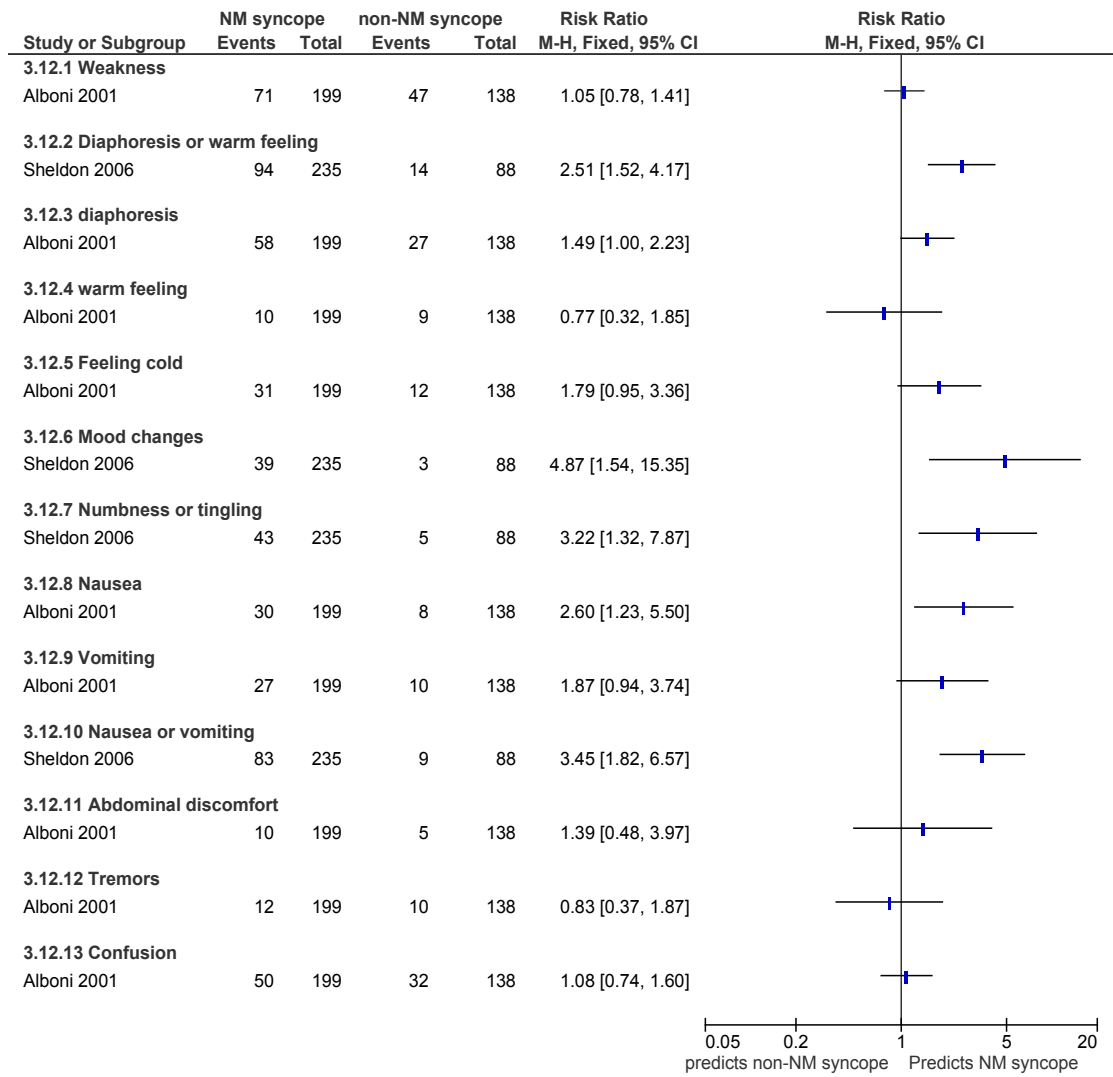
1.2.7 Signs and symptoms during TLoC



1.2.8 Recovery after TLoC

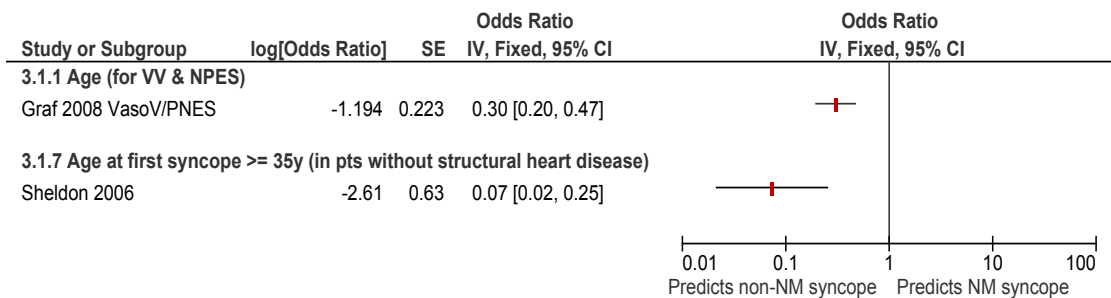


1.2.9 Prodromal symptoms after TLoC

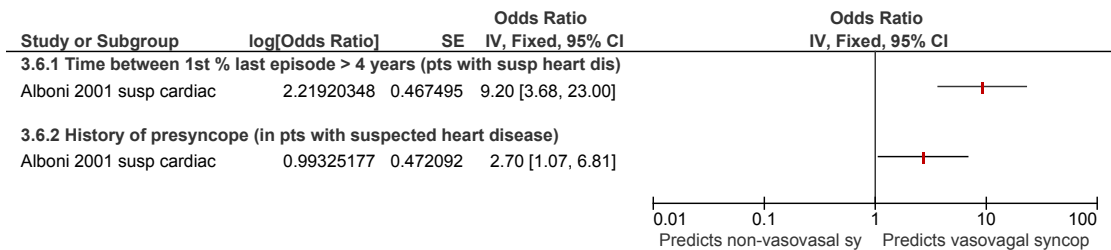


1.3 NM syncope versus non-NM syncope: signs and symptoms for prediction of a diagnosis of neurally mediated syncope - multivariate predictors (odds ratios)

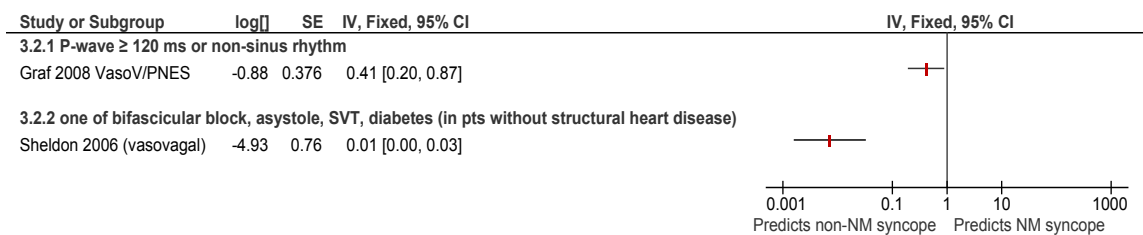
1.3.1 Patient characteristics



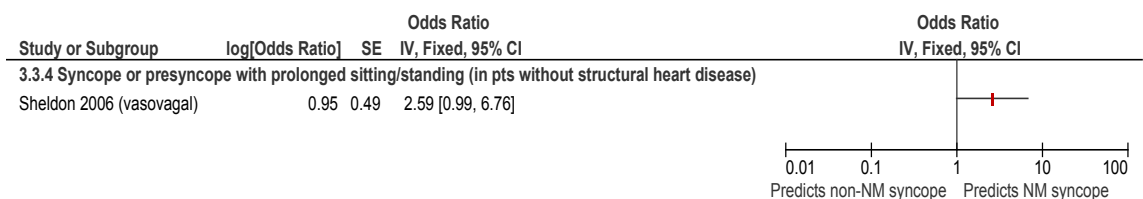
1.3.2 History of TLoC



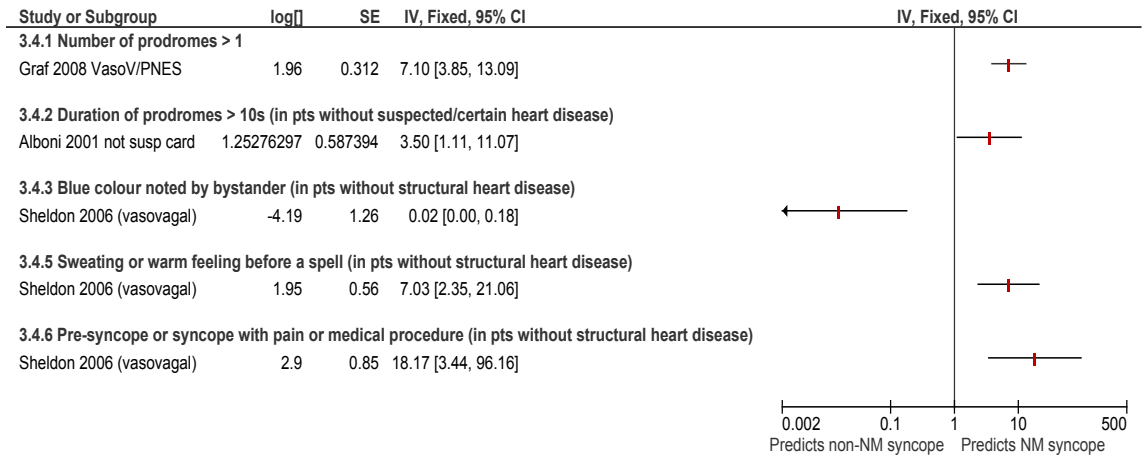
1.3.3 Heart disease or abnormal ECG or both



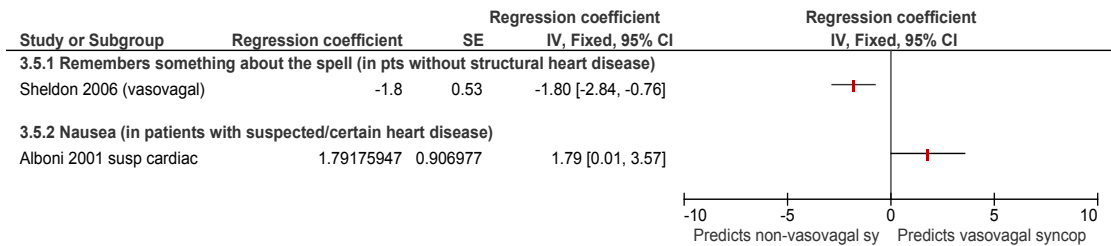
1.3.4 Predisposing/precipitating factors



1.3.5 Prodromal signs and symptom pre-TLoC

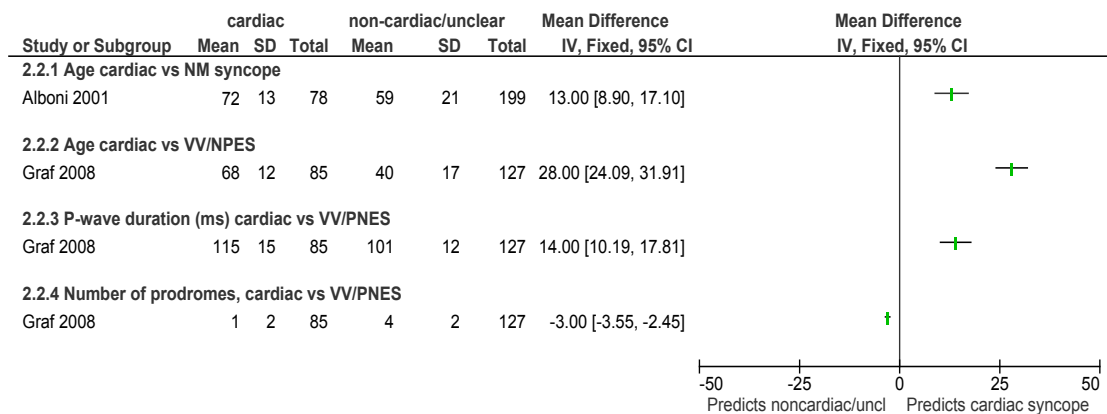
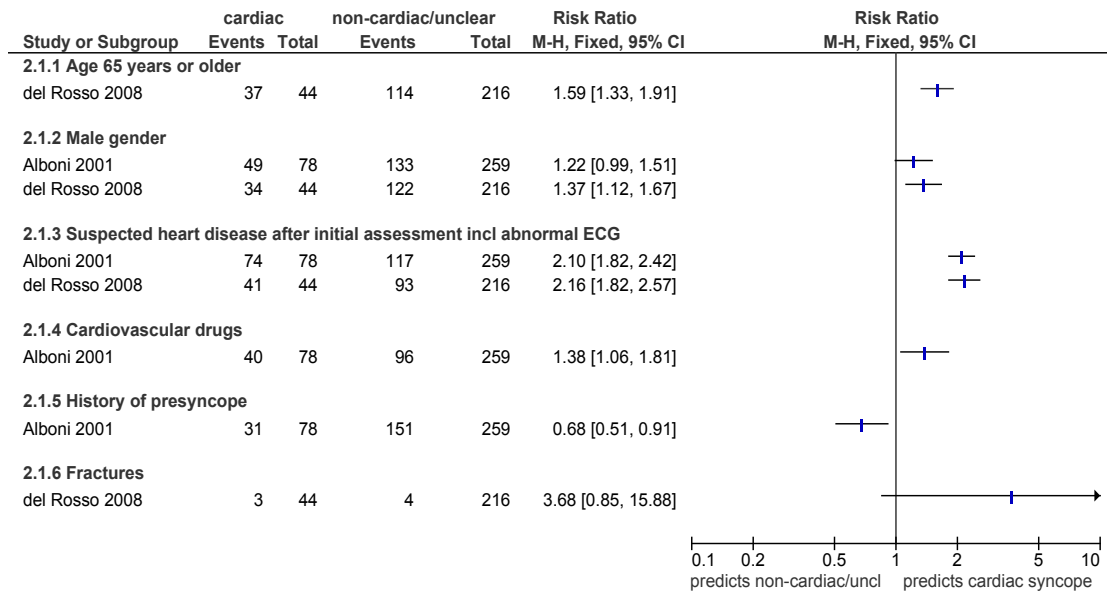


1.3.6 Signs and symptoms post TLoC

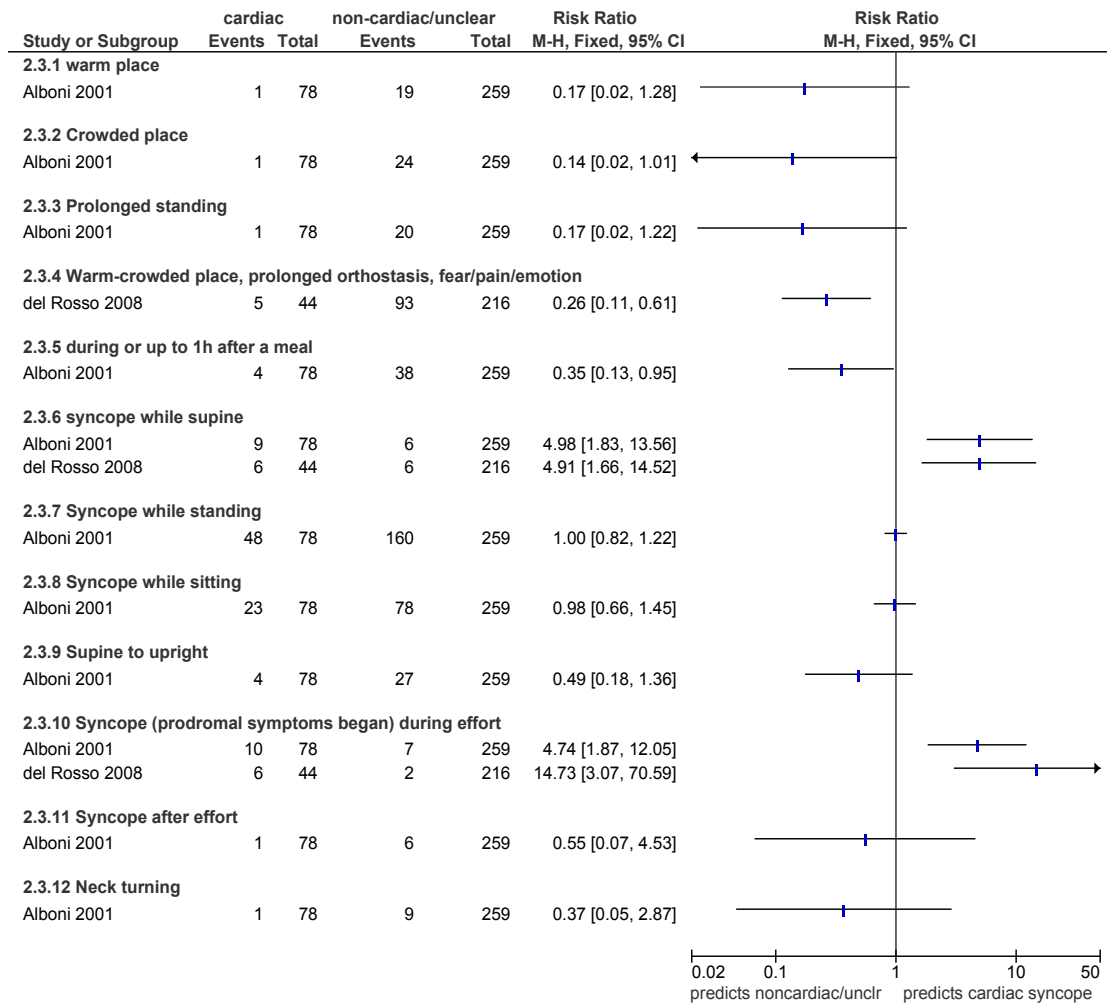


1.4 Cardiac syncope versus other syncope: signs and symptoms for differential diagnosis - univariate predictors (likelihood ratios or mean differences)

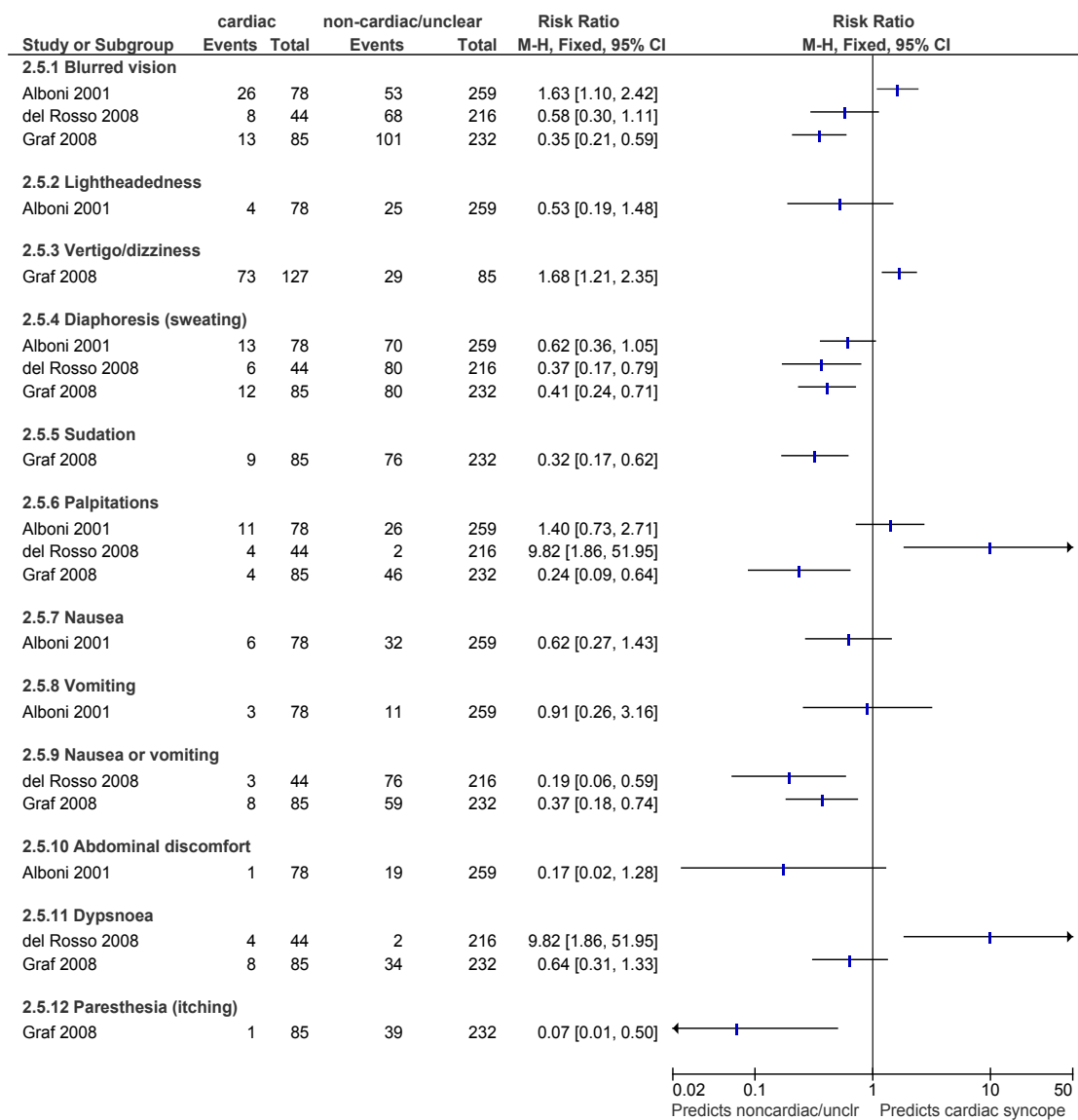
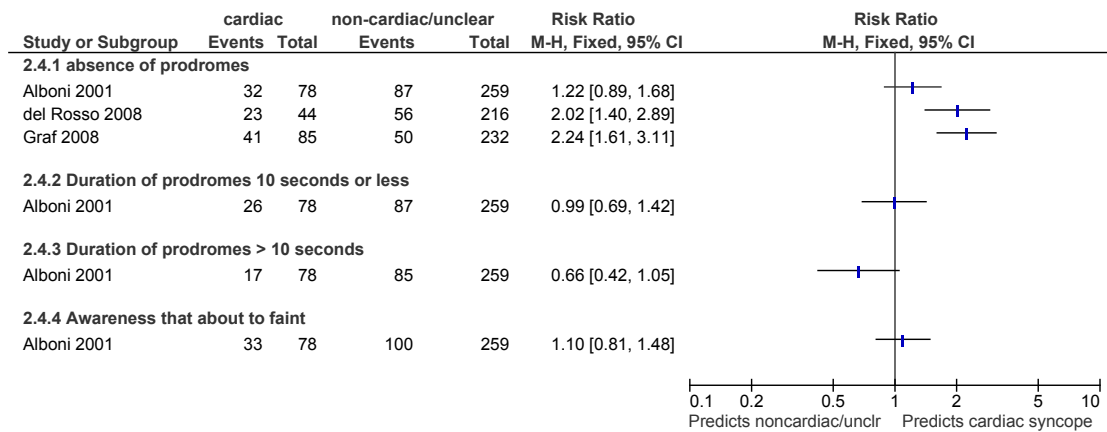
1.4.1 Patient characteristics

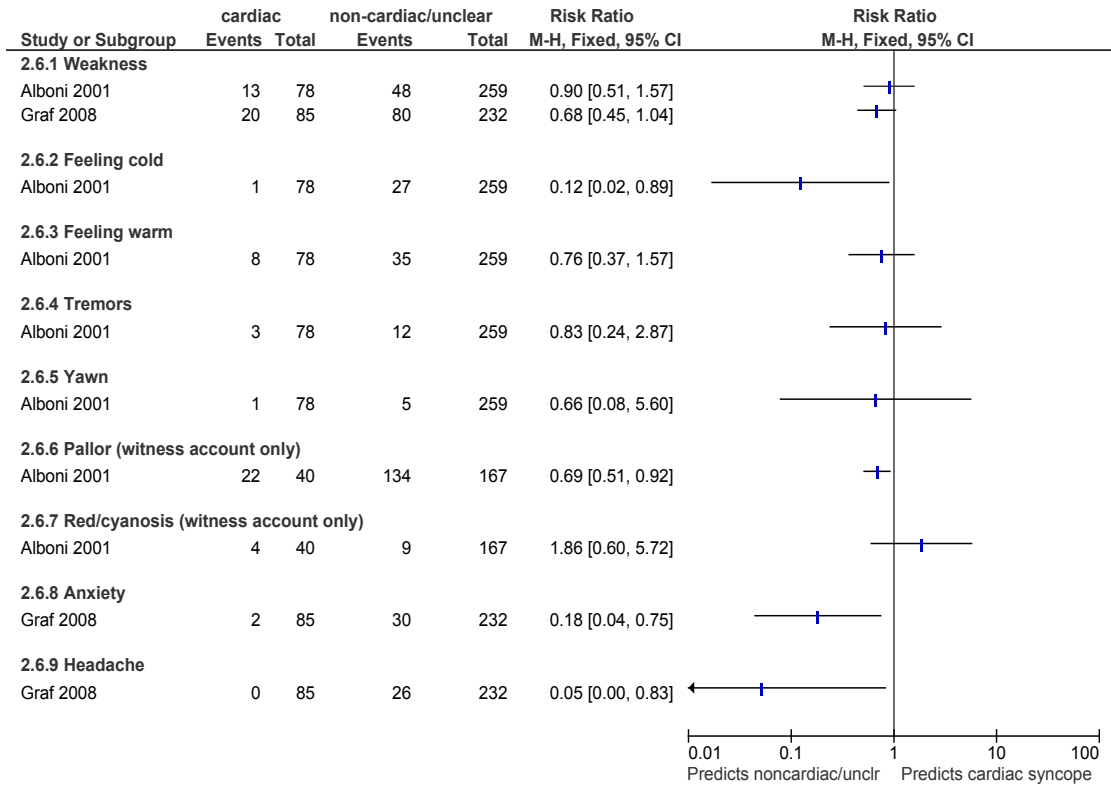


1.4.2 Predisposing/precipitating factors

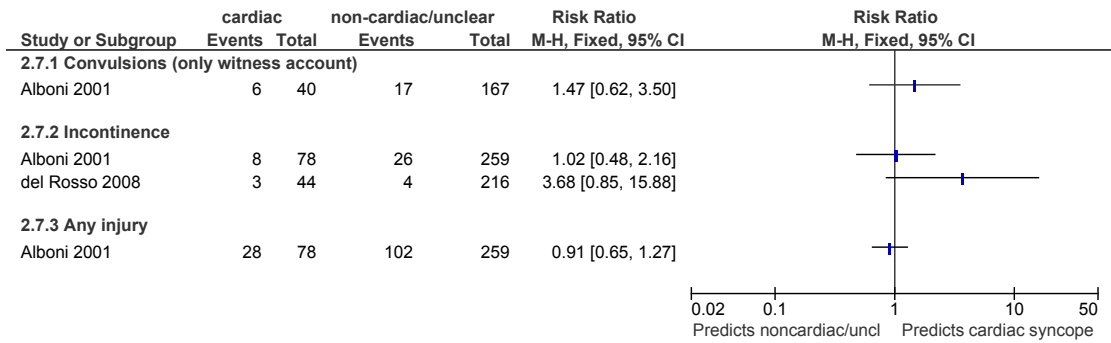


1.4.3 Prodromal symptoms pre-TLoC

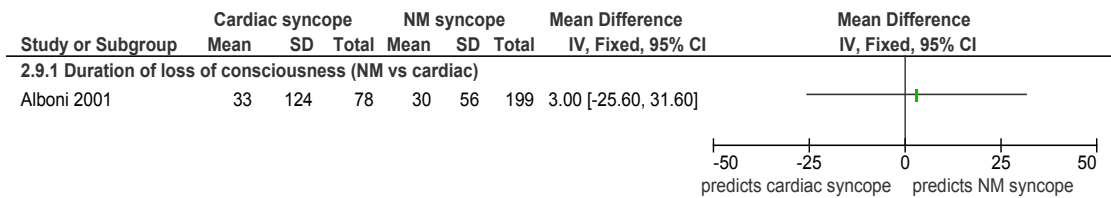




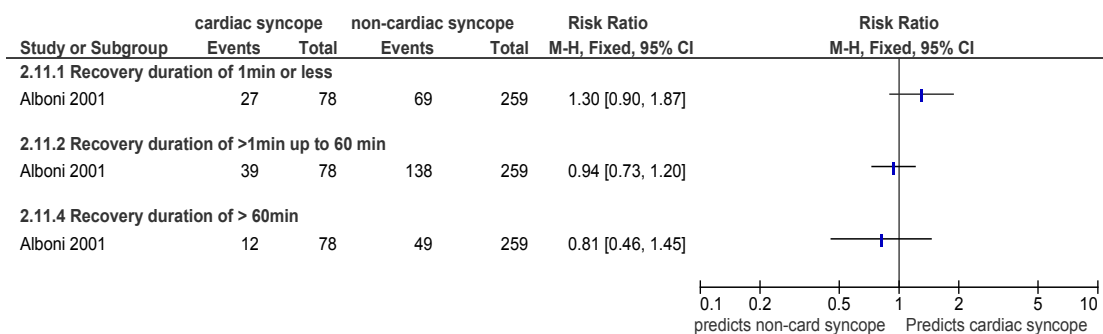
1.4.4 Signs and symptoms during TLoC



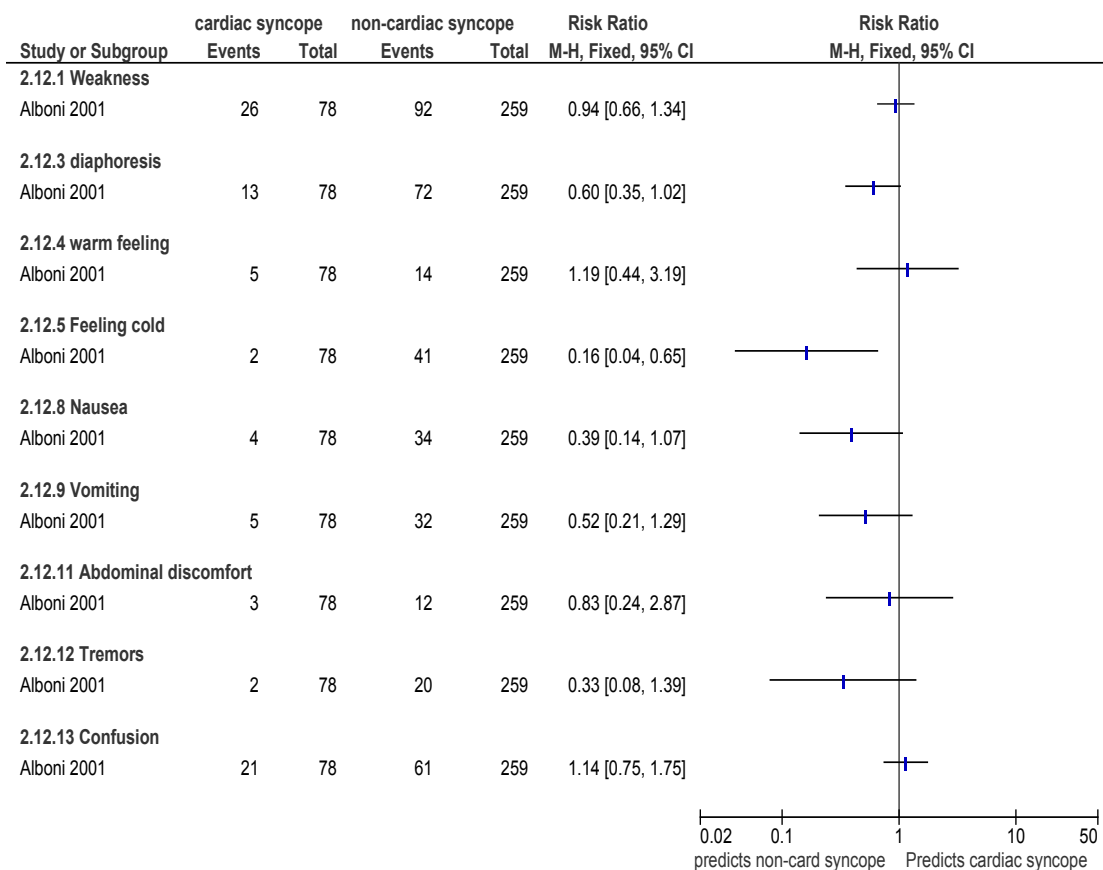
1.4.5 Duration of TLoC



1.4.6 Recovery after TLoC

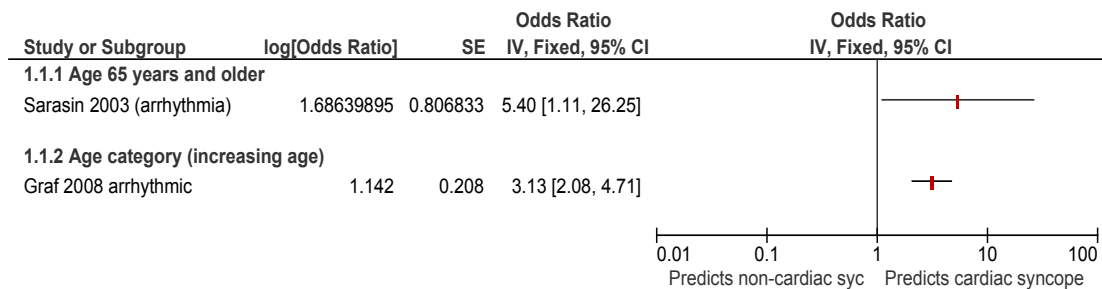


1.4.7 Prodromal symptoms after TLoC

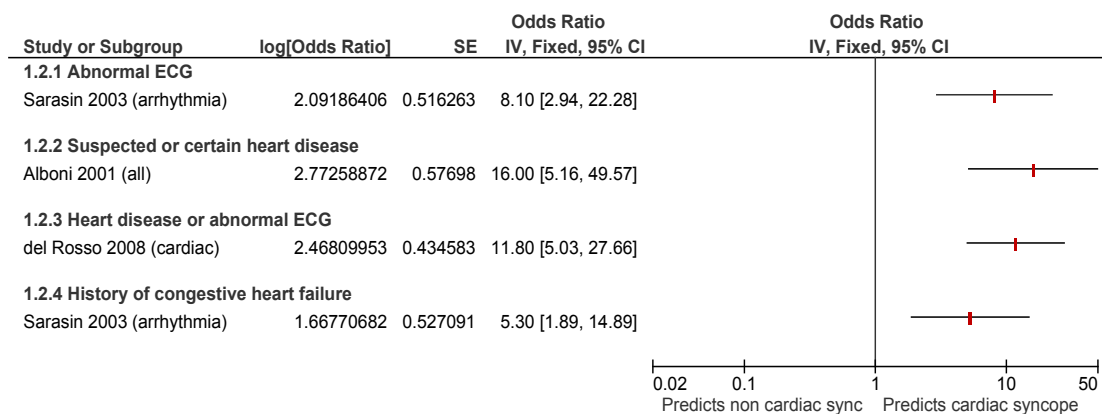


1.5 Cardiac syncope versus non-cardiac syncope: signs and symptoms for prediction of a diagnosis of cardiac syncope - multivariate predictors (odds ratios)

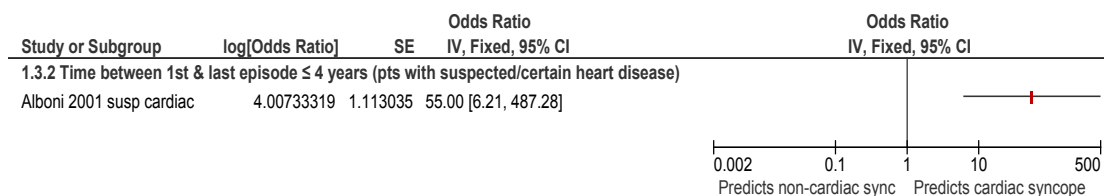
1.5.1 Patient characteristics



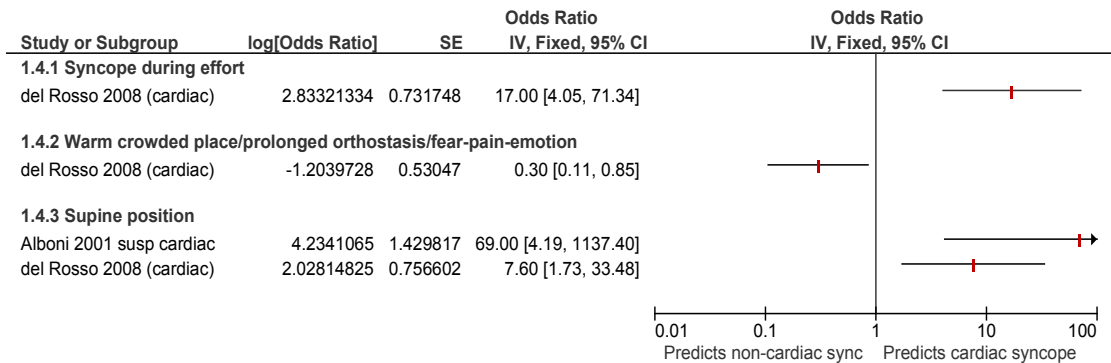
1.5.2 Heart disease or abnormal ECG or both



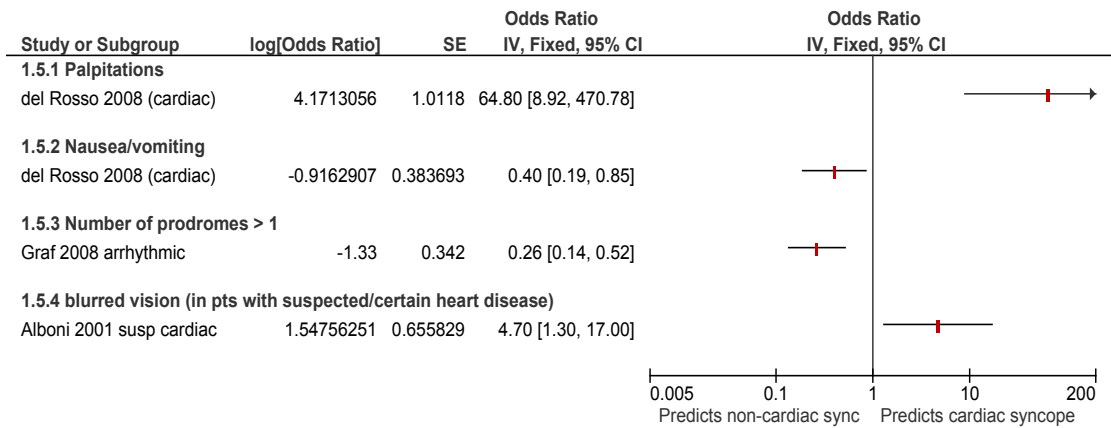
1.5.3 TLoC history



1.5.4 Predisposing / precipitating factors

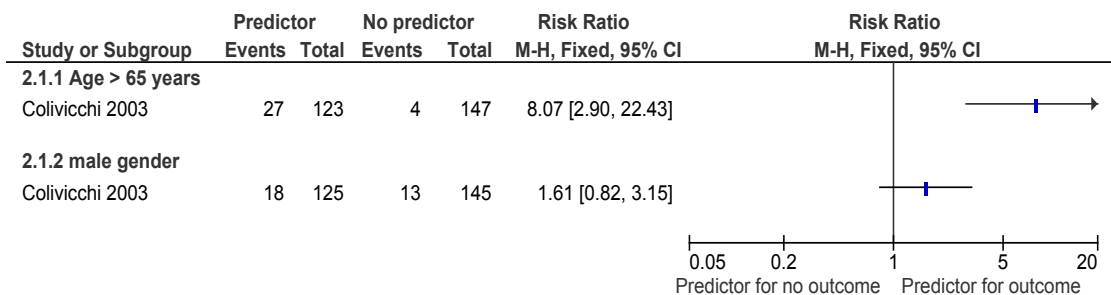


1.5.5 Prodromal symptoms and signs pre-TLoC

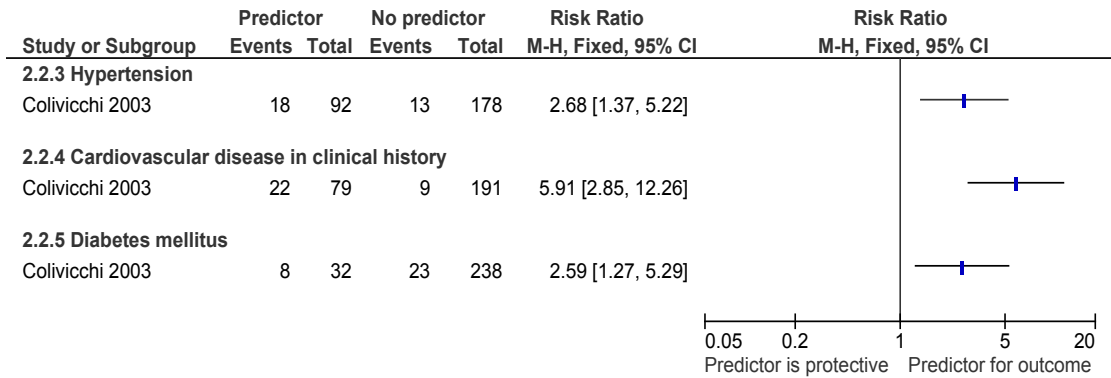


1.6 Signs and symptoms that indicate an increased risk of death at 12 months (relative to the risk for not having this symptom) - univariate predictors (relative risks)

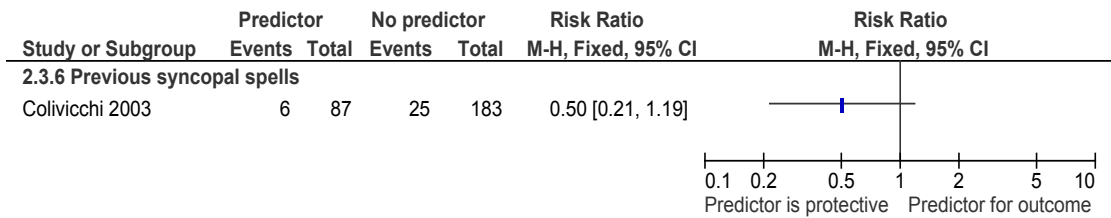
1.6.1 Patient characteristics



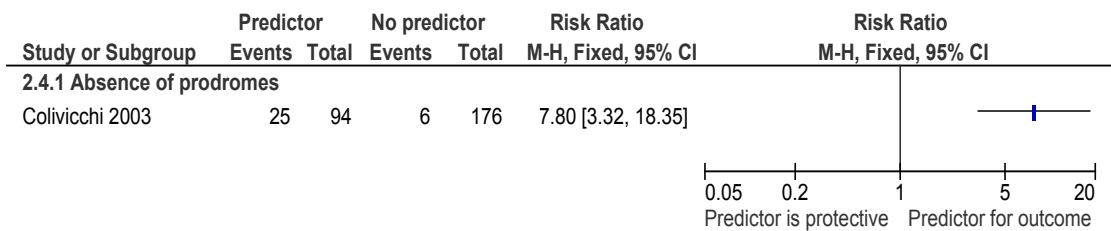
1.6.2 Medical history



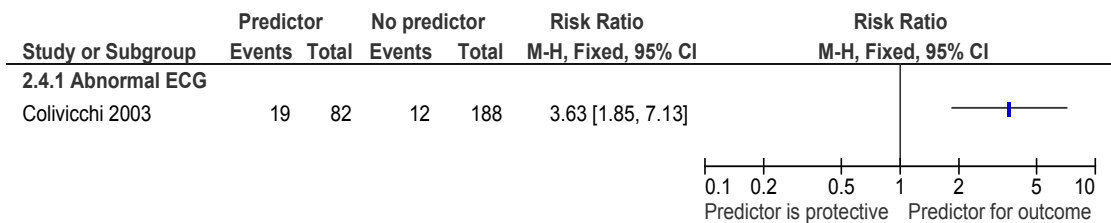
1.6.3 TLoC history



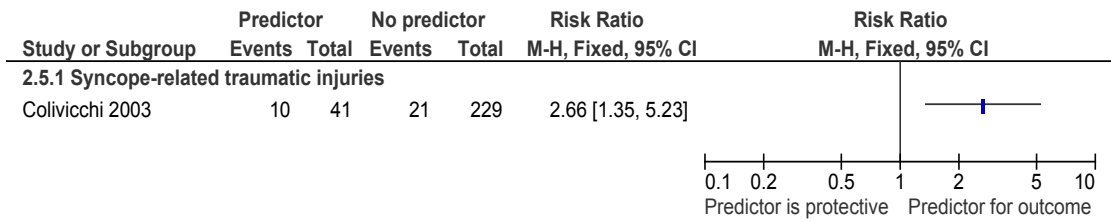
1.6.4 Prodromal symptoms and signs



1.6.5 ECG findings

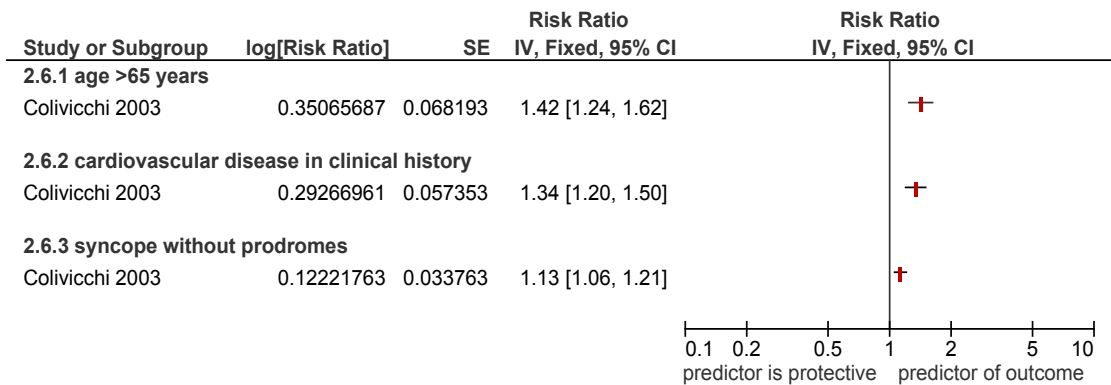


1.6.6 Signs and symptoms post-TLoC

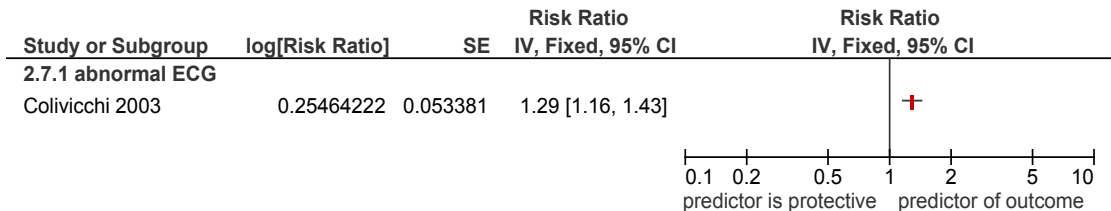


1.7 Signs and symptoms, and laboratory and ECG results that indicate an increased risk of death at 12 months (relative to the risk for those without the symptom) - multivariate predictors (relative risks)

1.7.1 Patient characteristics

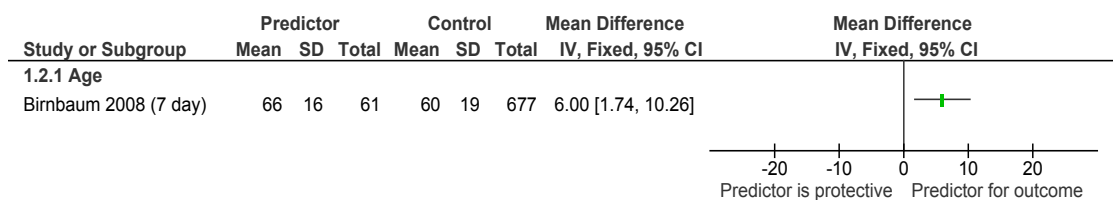
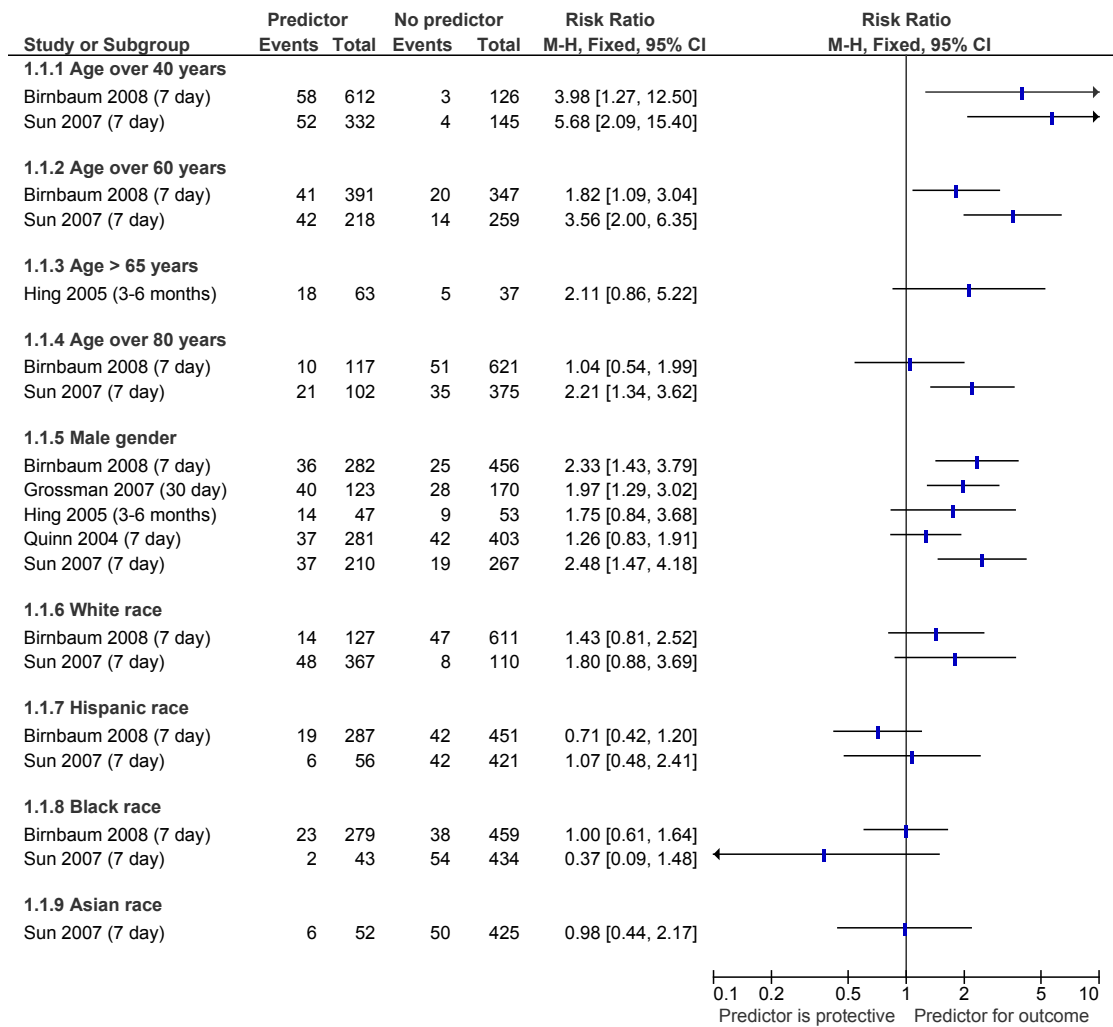


1.7.2 ECG findings

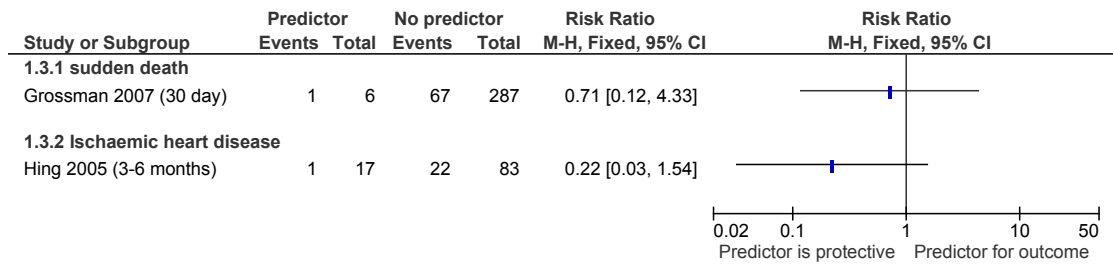


1.8 Signs and symptoms, and laboratory and ECG results that indicate an increased risk of adverse events (relative to the risk for those without the symptom) - univariate predictors (relative risks)

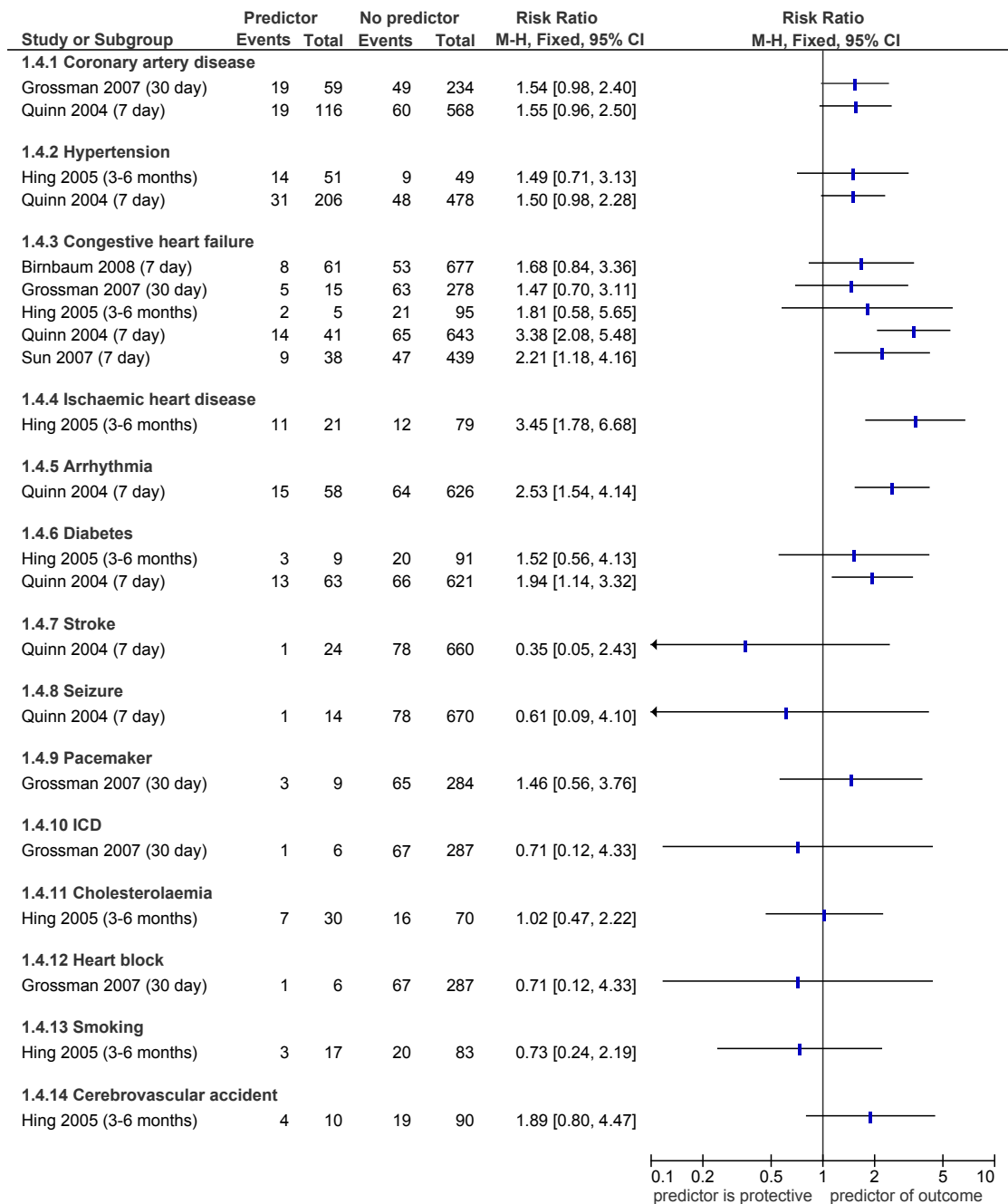
1.8.1 Patient Characteristics



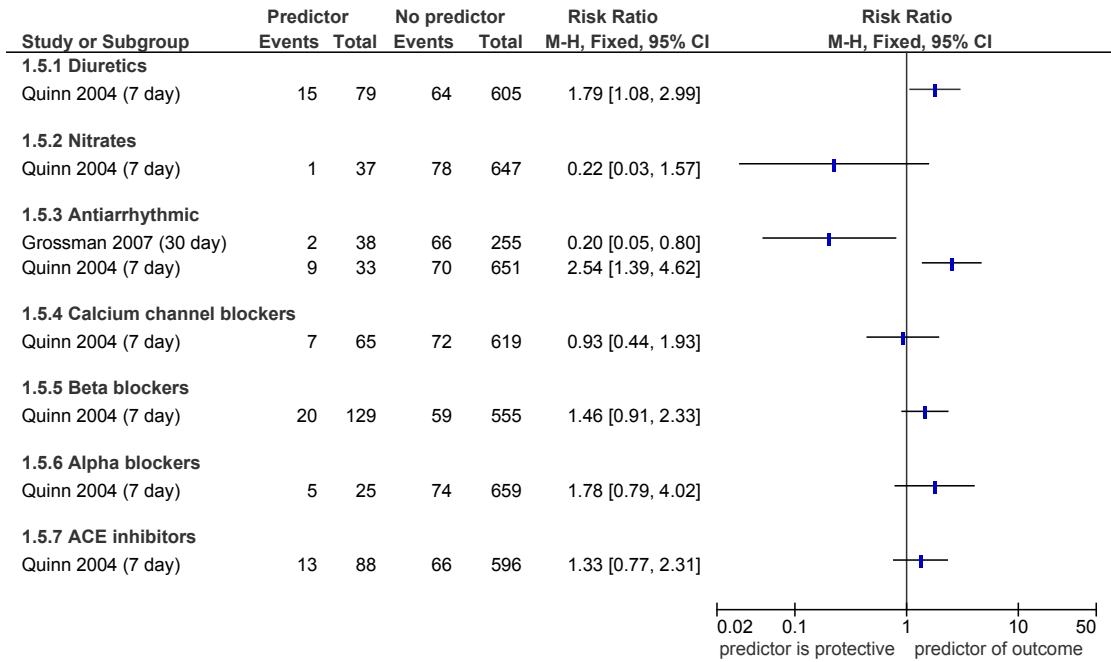
1.8.2 Family history



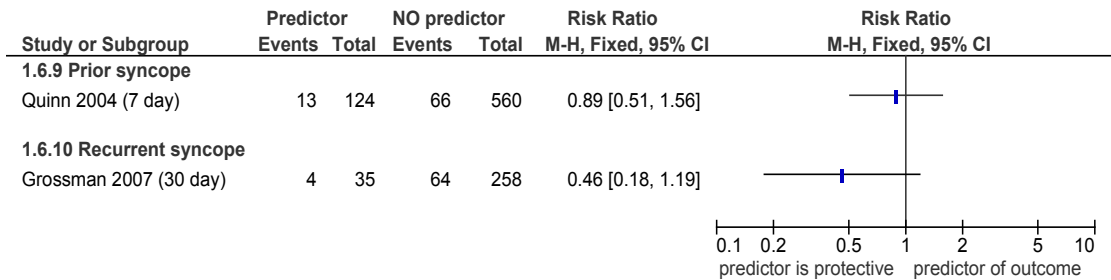
1.8.3 Medical history



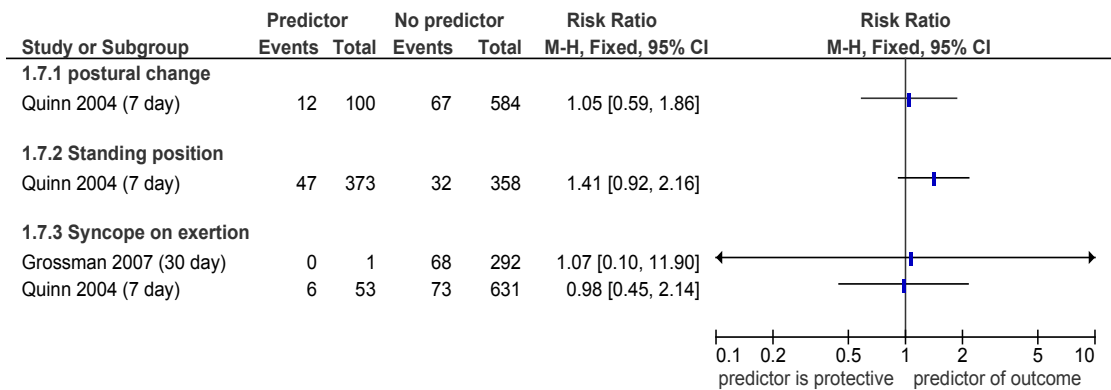
1.8.4 Medications



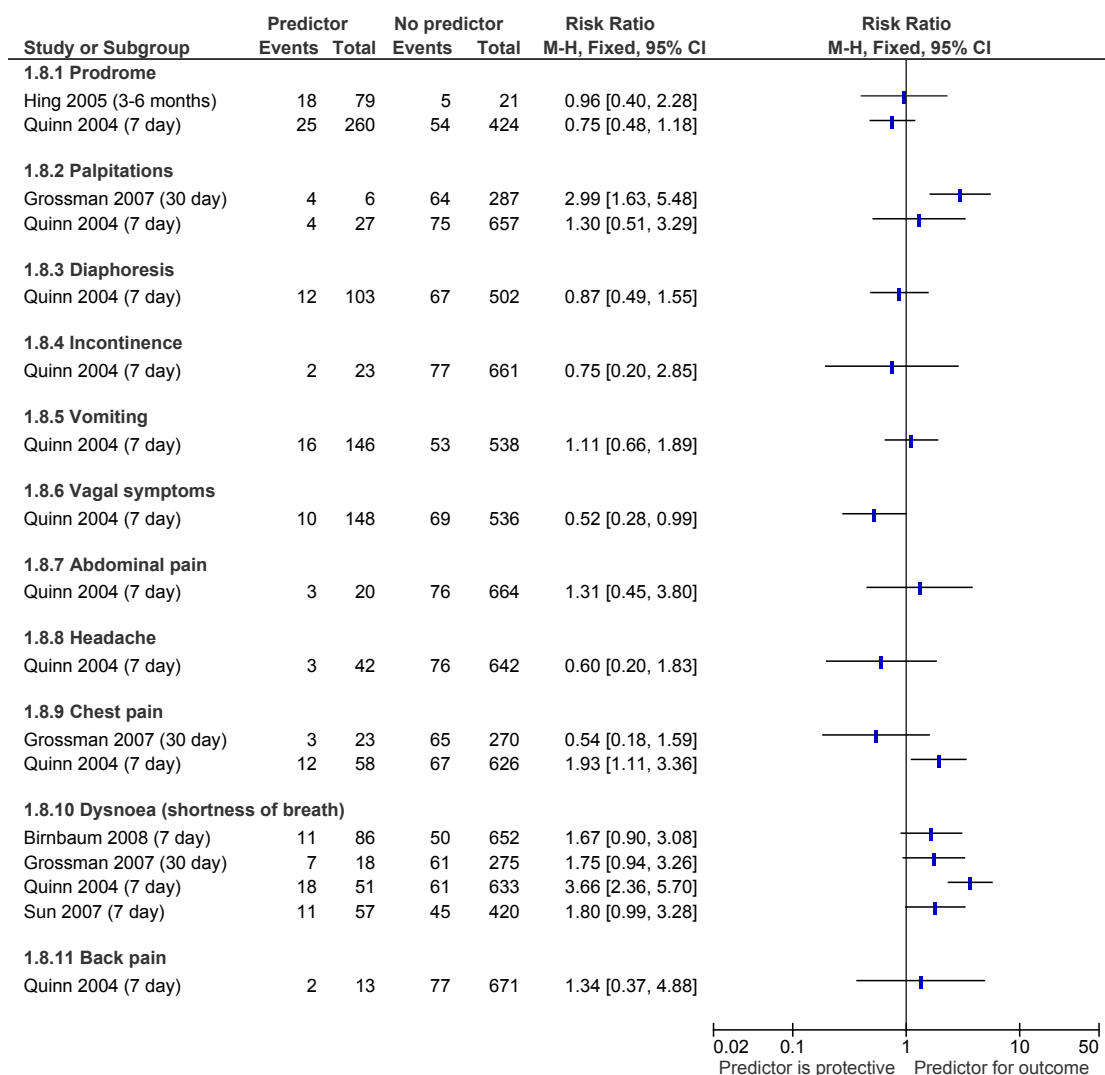
1.8.5 History of TLoC



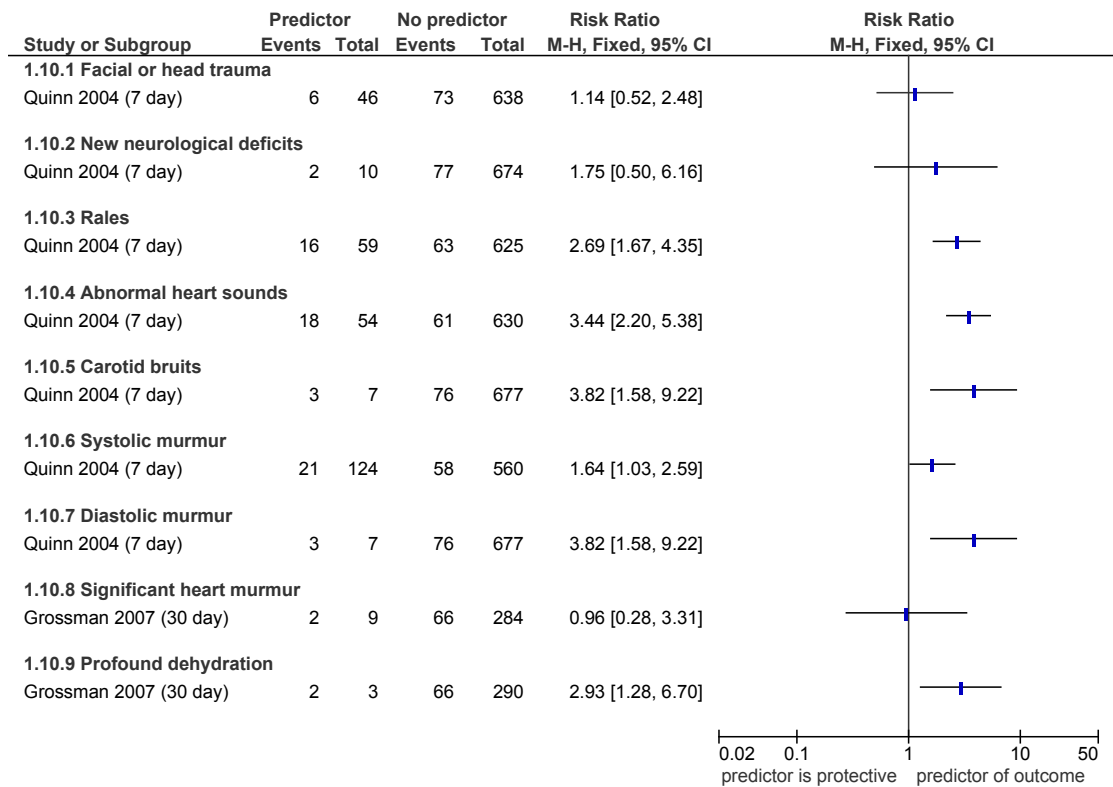
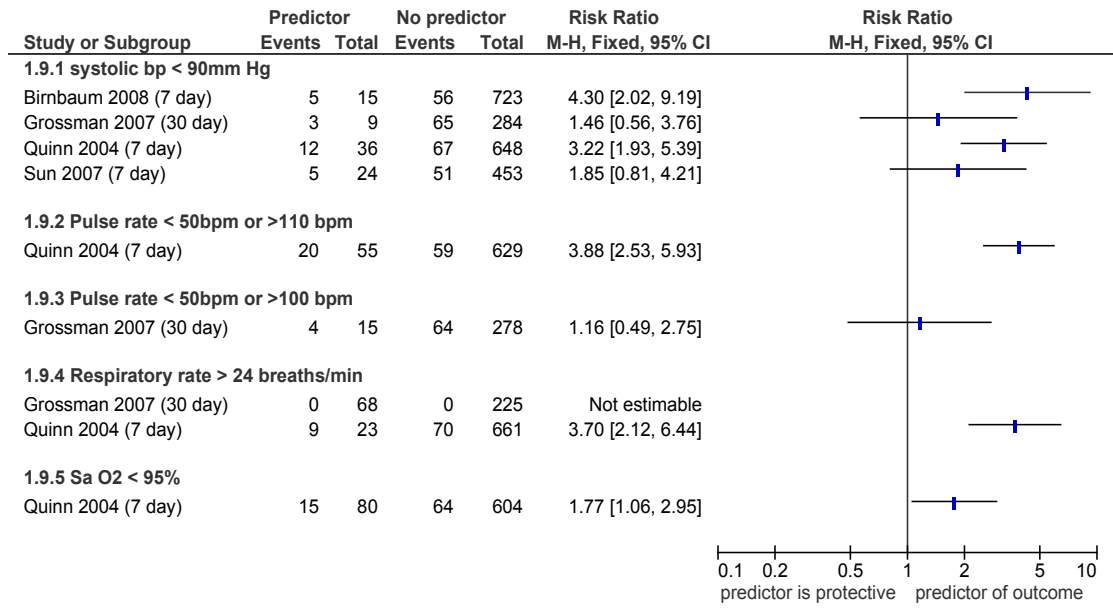
1.8.6 Predisposing / precipitating factors



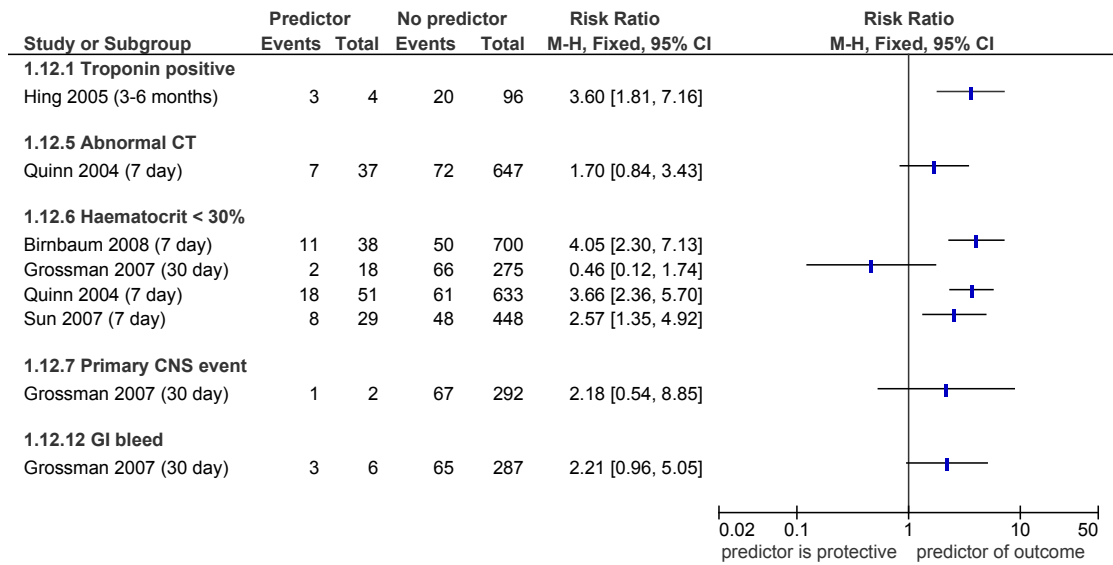
1.8.7 Prodromal symptoms



1.8.8 Physical examination

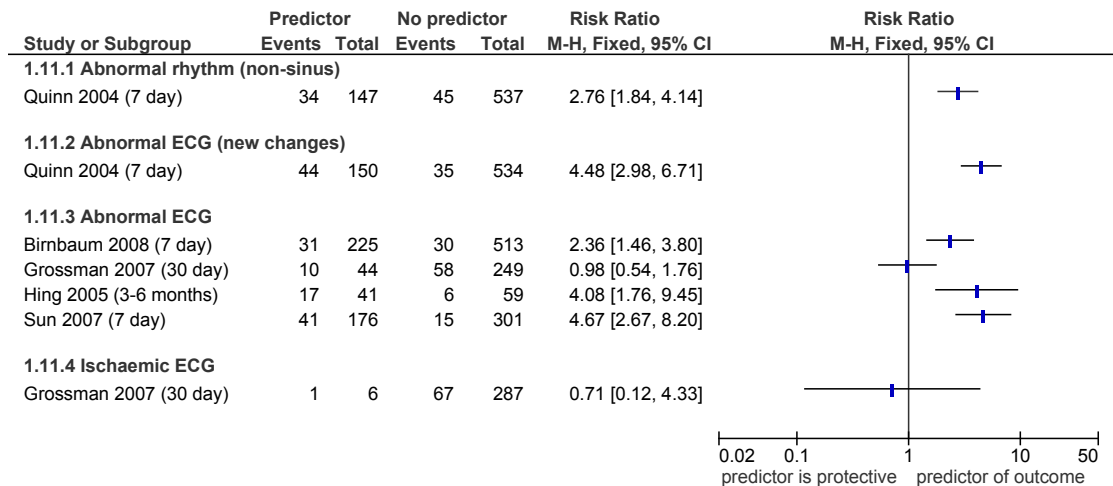


1.8.9 Laboratory and other initial tests



One study (Quinn 2004) also reported that there was a significant difference in glucose level, with higher levels predicting the adverse outcome (153 mg/dl versus 122 mg/dl).

1.8.10 ECG findings



2 DTA statistics for decision rules for diagnosis

2.1 Target condition: epilepsy / seizures

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Sheldon 2002 Initial symptoms decision rule Rule 1 symptoms only Test operator: investigator	94.0	94.0	94.0	94.0	15.8	0.06	50.0	94.0	6.0	248.1	50
Sheldon 2002 Initial symptoms decision rule Rule 2 symptoms + TLoC history Test operator: investigator	92.2	82.5	86.0	90.4	5.3	0.09	53.0	86.0	9.6	55.9	57
van Dijk 2008 ESC guidelines certain only Test operator: attending physician	100.0	99.8	67.0	100.0	NA	0.00	0.4	66.7	0.0	NA	1
van Dijk 2008 ESC guidelines Highly likely Test operator: attending physician	66.7	99.8	86.0	99.4	NA	0.33	1.8	85.7	0.6	NA	1
van Dijk 2008 ESC guidelines certain and highly likely Test operator: attending physician	72.7	99.6	80.0	99.4	NA	0.27	2.2	80.0	0.6	NA	2

2.2 Target condition: psychiatric cause of TLoC

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
van Dijk 2008 ESC guidelines certain and highly likely Test operator: attending physician	85.7	100.0	100.0	99.6	NA	0.14	2.8	100.0	0.4	NA	2

2.3 Target condition: neurally mediated syncope

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Graf 2008 Initial symptoms decision rule VV/Psychogenic model; validation cohort Test operator: attending physician	84.0	50.0	51.0	83.3	1.7	0.32	38.5	51.2	16.7	5.3	63
Sheldon 2006 Initial symptoms decision rule for vasovagal syncope; cut off above -2; Test operator: investigator	89.4	90.9	96.0	76.2	9.8	0.12	72.8	96.3	23.8	84.0	67
van Dijk 2008 ESC guidelines certain only Test operator: attending physician	97.0	99.5	98.0	99.3	NA	0.03	19.7	98.0	0.7	NA	19
van Dijk 2008 ESC guidelines Highly likely only Test operator: attending physician	94.7	96.2	90.0	98.1	25.0	0.05	26.4	90.0	1.9	457.7	28
van Dijk 2008 ESC guidelines certain and highly likely Test operator: attending physician	95.7	94.1	93.0	96.2	16.2	0.05	46.1	93.3	3.8	353.8	47

2.4 Target condition: cardiac syncope

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Graf 2008 Initial symptoms decision rule Rhythmic model; validation cohort Test operator: attending physician	58.8	70.8	42.0	82.9	2.0	0.58	26.2	41.7	17.1	3.5	37
Sarasin 2003 Initial symptoms decision rule >0 risk factors; Validation study Test operator: research physician + investigator	93.8	41.6	26.0	96.8	1.6	0.15	18.0	26.0	3.2	10.7	65

2.5 Target condition: cardiac syncope

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Sarasin 2003 Initial symptoms decision rule >1 risk factor; Validation study Test operator: research physician + investigator	64.6	72.1	34.0	90.3	2.3	0.49	18.0	33.7	9.7	4.7	34
van Dijk 2008 ESC guidelines certain only Test operator: attending physician	71.4	100.0	100.0	99.6	NA	0.29	1.4	100.0	0.4	NA	1
van Dijk 2008 ESC guidelines Highly likely only Test operator: attending physician	73.9	98.5	71.0	98.7	50.7	0.26	4.6	70.8	1.3	191.5	5
van Dijk 2008 ESC guidelines certain and highly likely Test operator: attending physician	73.3	98.5	76.0	98.3	49.6	0.27	6.0	75.9	1.7	183.1	6
Elseber 2005 ACEP guidelines ACEP level B Test operator: investigator	100.0	81.3	42.0	100.0	5.3	0.00	12.0	42.1	0.0	100000 00.0	29
Elseber 2005 ACEP guidelines ACEP level B + C Test operator: investigator	100.0	33.0	17.0	100.0	1.5	0.00	12.0	16.9	0.0	100000 00.0	71
del Rosso 2008 EGSYS score EGSYS score >2; Test operator: attending physician + senior physicians (ECG)	91.4	69.2	32.0	98.1	3.0	0.12	13.7	32.0	1.9	24.0	39
del Rosso 2008 EGSYS score EGSYS score >4 Test operator: attending physician + senior physicians (ECG)	28.6	98.6	77.0	89.7	21.0	0.72	13.7	76.9	10.3	29.1	5

2.6 Target condition: orthostatic hypotension

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
van Dijk 2008 ESC guidelines certain only Test operator: attending physician	100.0	99.0	62.0	100.0	99.0	0.00	1.6	61.5	0.0	100000 00.0	3
van Dijk 2008 ESC guidelines Highly likely only Test operator: attending physician	80.0	98.8	57.0	99.6	65.7	0.20	2.0	57.1	0.4	324.7	3
van Dijk 2008 ESC guidelines certain and highly likely Test operator: attending physician	88.9	97.7	59.0	99.6	39.2	0.11	3.6	59.3	0.4	344.7	5

2.7 Target condition: vascular syncope

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
van Dijk 2008 ESC guidelines certain only Test operator: attending physician	100.0	99.0	96.0	100.0	99.0	0.00	21.3	96.4	0.0	100000 00.0	22
van Dijk 2008 ESC guidelines Highly likely only Test operator: attending physician	97.9	96.1	91.0	99.1	25.2	0.02	28.4	90.9	0.9	1153.3	31
van Dijk 2008 ESC guidelines certain and highly likely Test operator: attending physician	98.8	92.9	93.0	98.7	13.9	0.01	49.7	93.2	1.3	1074.9	53

3 Diagnostic test accuracy statistics - risk stratification tools

3.1 Decision rules for risk stratification (death)

3.1.1 Target condition: death as the only outcome

3.1.1.1 Index test: San Francisco Syncope Rule

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Quinn 2008 San Francisco Syncope Rule deaths related to syncope at 6 months Test operator: attending physician	100.0	52.5	5.0	100.0	2.1	0.00	2.3	4.7	0.0	100000 00.0	49
Quinn 2008 San Francisco Syncope Rule all cause deaths at 6 months Test operator: attending physician	89.1	53.1	8.0	99.1	1.9	0.21	4.3	7.9	0.9	9.2	49
Quinn 2008 San Francisco Syncope Rule deaths related to syncope at 12 months Test operator: attending physician	92.9	53.0	7.0	99.5	2.0	0.13	3.8	7.2	0.5	14.7	49
Quinn 2008 San Francisco Syncope Rule all cause deaths at 12 months Test operator: attending physician	83.0	54.1	13.0	97.5	1.8	0.31	7.6	13.0	2.5	5.8	49

3.1.1.2 Index test: OESIL score

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Colivicchi 2003 OESIL score 12 months OESIL > 1 Test operator: attending physician	96.8	72.8	32.0	99.4	3.6	0.04	11.0	31.0	0.5	80.3	35

3.1.1.3 ACP guidelines

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Crane 2002 ACP guidelines ACP guidelines, high risk group; death 12 months Test operator: investigator	66.7	83.0	36.0	94.5	3.9	0.40	12.7	36.4	5.5	9.8	23
Crane 2002 ACP guidelines ACP guidelines, moderate risk; death 12 months Test operator: investigator	33.3	70.3	14.0	87.9	1.1	0.95	12.7	14.0	12.1	1.2	30
Crane 2002 ACP guidelines ACP guidelines, high + moderate risk; 12 months Test operator: investigator	100.0	53.3	24.0	100.0	2.1	0.00	12.7	23.8	0.0	1000000.0	53
Crane 2002 ACP guidelines ACP guidelines; low risk group; death 12 months Test operator: investigator	0.0	46.7	0.0	76.2	0.0	2.14	12.7	0.0	23.8	0.0	47

3.1.1.4 Index test: EGSYS score

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
del Rosso 2008 EGSYS score EGSYS score \geq 3; 21-24 months Test operator: attending physician + senior physicians (ECG)	82.4	82.0	30.0	98.0	4.6	0.22	8.7	30.4	2.0	21.3	24

3.1.2 Target condition: all adverse outcomes

3.1.2.1 Index test: San Francisco Syncope Rule

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Birnbaum 2008 San Francisco Syncope Rule 7 day outcomes Test operator: attending physician + senior physicians (ECG)	73.8	57.4	14.0	95.9	1.7	0.46	9.0	15.0	4.3	3.8	45
Cosgriff 2007 San Francisco Syncope Rule 7 day follow up Test operator: investigator nor part of clinical team treating	90.0	57.0	21.0	97.8	2.1	0.18	11.0	21.0	2.1	11.9	48
Quinn 2005 San Francisco Syncope Rule ED and post-ED outcomes at 7 days Test operator: attending physician	96.2	62.0	25.0	99.2	2.5	0.06	12.0	26.0	0.8	41.3	45
Quinn 2006 San Francisco Syncope Rule serious outcomes after ED visit; 30 days follow up Test operator: attending physician	98.1	56.1	15.0	99.7	2.2	0.03	7.0	14.0	0.3	66.3	48
Quinn 2006 San Francisco Syncope Rule 30 days follow up, during + after ED visit; Test operator: attending physician	99.1	57.4	28.0	99.7	2.3	0.02	14.0	27.0	0.3	142.6	51
Reed 2007 (ROSE pilot) San Francisco Syncope Rule 3 months follow up Test operator: attending physician	100.0	45.5	19.0	100.0	1.8	0.00	11.0	18.0	0.0	100000.0	60
Schladenhaufen 2008 San Francisco Syncope Rule Older people; 7 days follow up Test operator: investigator	76.5	36.8	22.0	87.0	1.2	0.64	19.0	22.1	13.0	1.9	66
Sun 2007 San Francisco Syncope Rule 7 day outcomes in and out of ED Test operator: attending physician	89.3	41.4	22.0	95.3	1.5	0.26	16.0	22.0	4.7	5.9	64

3.1.2.2 Index test: Boston Syncope Criteria

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Grossman 2007 Boston Syncope Criteria 30 days Test operator: treating physician	97.1	62.2	44.0	98.6	2.6	0.05	23.0	43.0	1.4	54.4	52

3.1.2.3 Index test: OESIL score

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Reed 2007 (ROSE pilot) OESIL score OESIL score >1; 3 months follow up Test operator: attending physician	90.9	48.9	18.0	97.7	1.8	0.19	11.0	18.0	2.2	9.6	56

3.1.2.4 Index test: Initial evaluation based on ESC, AAP & ACEP guidelines

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Reed 2007 (ROSE pilot)a Initial evaluation based on ESC, AAP & ACEP guidelines ED guidelines for high risk patients; 3 months Test operator: attending physician	63.6	71.6	22.0	94.0	2.2	0.51	11.0	22.0	5.9	4.4	32
Reed 2007 (ROSE pilot)a Initial evaluation based on ESC, AAP & ACEP guidelines ED guidelines for medium risk patients; 3 months Test operator: attending physician	36.4	46.6	8.0	85.4	0.7	1.37	11.0	8.0	14.4	0.5	52
Reed 2007 (ROSE pilot)a Initial evaluation based on ESC, AAP & ACEP guidelines ED guidelines for high + med risk patients; 3 mo Test operator: attending physician	100.0	18.2	13.0	100.0	1.2	0.00	11.0	13.0	0.0	100000.0	84

3.1.3 Target condition: death and cardiac outcomes

3.1.3.1 Index test: OESIL score

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Hing 2005 OESIL score OESIL score >1; cardiac outcomes Test operator: not stated / unclear	78.3	63.6	39.0	90.7	2.2	0.34	23.0	39.1	9.3	6.3	46

4 Diagnostic test accuracy statistics: 12-lead ECG

4.1 Target condition: death as the only outcome

4.1.1 Index test: 12 lead ECG

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Colivicchi 2003 12 lead ECG death 12 months Test operator: attending physician	61.3	73.6	23.0	93.6	2.3	0.53	11.5	23.2	6.4	4.4	30

4.2 Target condition: all adverse outcomes

4.2.1 Index test: 12 lead ECG

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Grossman 2007 12 lead ECG ischaemic ECG; all adverse events Test operator: treating physician	1.5	97.8	17.0	76.7	0.7	1.01	23.2	16.7	23.3	0.7	2
Grossman 2007 12 lead ECG abnormal rhythm / new ECG changes; all adverse Test operator: treating physician	14.7	84.9	23.0	76.7	1.0	1.00	23.2	22.7	23.3	1.0	15
Grossman 2007 12 lead ECG QT interval > 500ms; all adverse events Test operator: treating physician	0.0	100.0	0.0	76.8	NA	1.00	23.2	100.0	23.2	NA	0
Grossman 2007 12 lead ECG heart block; all adverse events Test operator: treating physician	1.5	97.8	17.0	76.7	0.7	1.01	23.3	16.7	23.4	0.7	2
Grossman 2007 12 lead ECG abnormal sinus rate Test operator: treating physician	5.9	95.1	27.0	77.0	1.2	0.99	23.2	26.7	23.0	1.2	5
Quinn 2004 12 lead ECG Abnormal ECG Test operator: attending physician	65.8	72.6	24.0	94.2	2.4	0.47	11.5	23.9	5.8	5.1	32
Quinn 2004 12 lead ECG Abnormal rhythm (non sinus); 7 days Test operator: attending physician	43.0	81.3	23.0	91.6	2.3	0.70	11.5	23.1	8.4	3.3	21
Quinn 2004 12 lead ECG abnormal ECG, new changes Test operator: attending physician	55.7	82.5	29.0	93.4	3.2	0.54	11.5	29.3	6.6	5.9	22
Reed 2007 (ROSE pilot)d 12 lead ECG 3 months follow up Test operator: not stated / unclear	81.8	45.5	16.0	95.2	1.5	0.40	11.0	16.0	4.7	3.8	58

4.2.2 Target condition: death and cardiac outcomes

4.2.2.1 Index test: 12 lead ECG

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Hing 2005 12 lead ECG 12-lead ECG cardiac outcomes Test operator: not stated / unclear	73.9	68.8	41.0	89.8	2.4	0.38	23.0	41.5	10.2	6.3	41
Sun 2008 12 lead ECG all ages; 14 days follow up Test operator: treating physician	75.6	75.8	27.0	96.4	3.1	0.32	10.0	26.0	3.5	9.7	30

4.2.2.2 12-lead ECG – effect of patient age and operator expertise

Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test prob	post test prob (rule in)	post test prob (rule out)	Diag OR	Diag yield
Sun 2008 12 lead ECG age 18-39y; 14 days follow up Test operator: treating physician	50.0	87.7	7.0	98.9	4.1	0.57	2.0	8.0	1.1	7.2	13
Sun 2008 12 lead ECG age 40-59y; 14 days follow up Test operator: treating physician	90.0	87.6	45.0	98.7	7.3	0.11	10.0	45.0	1.3	63.8	20
Sun 2008 12 lead ECG age 60-79y; 14 days follow up Test operator: treating physician	71.4	67.0	23.0	94.4	2.2	0.43	12.0	23.0	5.5	5.1	38
Sun 2008 12 lead ECG age 80 and above; 14 days follow up Test operator: treating physician	72.2	60.4	27.0	91.7	1.8	0.46	17.0	27.0	8.6	4.0	45
Sun 2008 12 lead ECG age 18-39y; attending physician; 14 days follow up Test operator: treating physician	0.0	87.5	0.0	98.0	0.0	1.14	2.0	0.0	2.3	0.0	12
Sun 2008 12 lead ECG age 18-39y; resident physician; 14 days follow up Test operator: treating physician	0.0	82.1	0.0	97.9	0.0	1.22	2.0	0.0	2.4	0.0	18
Sun 2008 12 lead ECG age 40-59y; attending physician; 14 days follow up Test operator: treating physician	50.0	80.4	18.0	94.9	2.6	0.62	8.0	18.0	5.1	4.1	22
Sun 2008 12 lead ECG age 40-59y; resident physician; 14 days follow up Test operator: treating physician	100.0	84.8	36.0	100.0	6.6	0.00	8.0	36.0	0.0	100000 00.0	22
Sun 2008 12 lead ECG age 60-79y; attending physician; 14 days follow up Test operator: treating physician	66.7	55.1	27.0	87.1	1.5	0.60	20.0	27.0	13.1	2.5	49
Study and analysis details	Sens	Spec	PPV	NPV	LR+	LR-	pre test	post test	post test	Diag OR	Diag

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								prob	prob (rule in)	prob (rule out)	yield	
Sun 2008 12 lead ECG age 60-79y; resident physician; 14 days follow up Test operator: treating physician	66.7	67.3	33.0	89.2	2.0	0.49		20.0	34.0	11.0	4.1	39
Sun 2008 12 lead ECG age over 80y; attending physician; 14 days Test operator: treating physician	58.3	64.7	28.0	86.8	1.7	0.64		19.0	28.0	13.1	2.6	40
Sun 2008 12 lead ECG age over 80y; resident physician; 14 days Test operator: treating physician	75.0	60.8	31.0	91.2	1.9	0.41		19.0	31.0	8.8	4.7	46
Sun 2008 12 lead ECG all ages attending physician; 14 days follow up Test operator: treating physician	58.6	72.1	23.0	92.4	2.1	0.57		13.0	24.0	7.9	3.7	32
Sun 2008 12 lead ECG all ages resident physician; 14 days follow up Test operator: treating physician	72.4	73.6	28.0	94.9	2.7	0.37		13.0	29.0	5.3	7.3	32