

### Stichworte, kombiniert mit dem boolschen Operator “OR“

Super group	Synonym keywords combined with “OR”	Search number
Location	„prehospital“ „preclinical“ „out-of-hospital“ „on scene“	#1
Thoracotomy procedure	„resuscitative thoracotomy“ „Thoracotomy“ (MeSH) „clamshell thoracotomy“ „urgent thoracotomy“ „emergency thoracotomy“ “Prehospital and Emergency Department Thoracotomy (PHRT)“	#2
Cardiac arrest	„traumatic cardiac arrest“ „cardiac arrest“ (MeSH) „out of hospital cardiac arrest“	#3
Thoracic injuries	„thoracic injuries“ (MeSH) „chest injuries“ „thoracic trauma“ „chest trauma“ „penetrating trauma“ „blunt trauma“	#4

## Stichworte kombiniert mit dem Boolschen Operator „AND“

Super group combination	Search number
Location (#1) AND Thoracotomy procedure (#2)	#5
cardiac arrest (#3) AND Thoracic injuries (#4)	#6
(Location AND Thoracotomy procedure [#5]) AND (cardiac arrest AND Thoracic injuries [#6])	#7
<b>Simple keywords</b>	
“prehospital thoracotomy” AND	#8
“preclinical thoracotomy” AND	#9

## Vollständige Suche

- 01. prehospital
- 02. preclinical
- 03. out-of-hospital
- 04. on scene
- 05. 1 OR 2 OR 3 Or 4 (in this thesis registered as #1)
- 06. resuscitative thoracotomy
- 07. Thoracotomy (MeSh)
- 08. thoracotom\*
- 09. clamshell thoracotom\*
- 10. urgent thoracotom\*
- 11.emergency thoracotom\*
- 12. Prehospital and Emergency Department Thoracotomy (PHRT)
- 13. 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12 (in this thesis registered as #2)
- 14. traumatic cardiac arrest
- 15. cardiac arrest (MeSh)
- 16. cardiac arrest
- 17. out of hospital cardiac arrest
- 18. 14 OR 15 OR 16 OR 17 (in this thesis registered as #3)
- 19. thoracic injur\*(MeSh)
- 20. thoracic injur\*
- 21. chest injur\*
- 22. thoracic trauma
- 23. chest trauma
- 24. penetrating trauma
- 25. 19 OR 20 OR 21 OR 22 OR 23 OR 24 (in this thesis registered as #4)
- 26. 06 AND 13 (registered as #5)
- 27. 18 AND 25 (registered as #6)
- 28. 27 AND 27 (registered as #7)
- 29.01 AND 08 (registered as #8)
- 30. 02 AND 08 (registered as #9)

Stufenschema der Ein- und Ausschlusskriterien		
<b>Erste Stufe</b> Screening der Titel aller gefundener Publikationen	<b>Einschluss von</b> Jeder gezeigte Artikel zu emergency/resuscitative thoracotomy, präklinisches Management von TCA (traumatic cardiac arrest), ATLS, (offener)CPR etc.	<b>Ausschluss von</b> - Publikationen mit anderen Inhalten (soweit im Titel erkennbar) z.B. Tierstudien - Publikationen in anderen Sprachen als Deutsch und Englisch - Publikationen, die keine peer reviewed publications darstellten
<b>Zweite Stufe</b> Screening der Abstracts aller ausgewählten Artikel	<b>Einschluss von</b> Jede Publikation welche Informationen zu PHRT enthält	<b>Ausschluss von</b> Artikeln über emergency department Thorakotomien oder anderen Maßnahmen (z.B. Bluttransfusionen)
<b>Dritte Stufe</b> Screening des Volltextes aller ausgewählten Artikel	<b>Einschluss von</b> Publikationen die Daten zur PHRT boten	<b>Ausschluss von</b> Publikationen ohne PHRT Daten z.B. Instruktionen, Reviews oder Leserbriefen

Modifiziertes Tool zur Bias-Bewertung der eingeschlossenen Publikationen																					
Appraisal Question	Athanasiuo	Beleza	Coats	Corrai	Craig	Dahmen.	Davies	Deakin	Hachimi-Idrissi	Keogh	Lockey	Matsu moto	McKenzie	Puchwein	Purkis	Rudolph	Van Vledder.	Wall	Wright	Schauer	Schob
Did the Study address a clearly focused issue?	Green	Red	Green	Red	Yellow	Yellow	Red	Yellow	Green	Yellow	Green	Green	Red	Yellow	Red	Yellow	Green	Yellow	Green		
Are both the setting and the subject's representative regarding the population to which the findings will be referred?	Green	Yellow	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Red	Green	Green	Green	Green	Red	Green		
Were there more than one patient included in the study?	Green	Green	Green	Green	Red	Red	Green	Red	Green	Red	Green	Green	Red	Red	Green	Red	Green	Red	Green		
Were there enough subjects in the study to establish that the findings did not occur by chance?	Green	Yellow	Green	Yellow	Red	Red	Red	Red	Green	Red	Green	Green	Red	Yellow	Red	Green	Red	Green	Red		
Was the selection of the cohort / panel based on external, objective and validated criteria?	Green	Yellow	Green	Yellow	Yellow	Yellow	Red	Yellow	Green	Yellow	Green	Yellow	Red	Yellow	Yellow	Green	Yellow	Yellow	Red		
Are the methods for collecting data clearly described?	Green	Red	Green	Yellow	Yellow	Yellow	Red	Yellow	Green	Yellow	Green	Green	Yellow	Yellow	Yellow	Green	Yellow	Green	Red		
Are the results credible and if so, are they relevant for practice?	Green	Green	Green	Green	Green	Green	Green	Green	Red	Green	Green	Green	Green	Green	Yellow	Green	Green	Green	Green		
How precise is the estimate of the effect? Were confidence intervals given?	Red	Red	Red	Red	Yellow	Yellow	Red	Red	Green	Yellow	Green	Green	Yellow	Yellow	Green	Red	Yellow	Yellow	Red		
Can confounding factors that haven't been accounted be precluded?	Red	Red	Red	Red	Red	Red	Red	Red	Green	Red	Red	Red	Red	Red	Red	Red	Green	Red	Red		