

Søk skal dokumenteres på en slik måte at de kan reproduseres nøyaktig slik de ble gjennomført. Dato for søk skal alltid oppgis. Antall treff oppgis der det er relevant. Trefflister og lenker til treff skal ikke legges i dette skjemaet, men kan legges i eget resultatskjema eller direkte i e-post til prosedyremaker.

Prosedyrens tittel eller arbeidstitel	Stabilisering av columna fra skadested til avklaring
Spørsmål fra PICO-skjema	
Kontakt detaljer prosedyremakere	Navn: Per Kristian Hyldmo, Sørlandet sykehus HF, e-post: pkh@sshf.no Navn: Elisabeth Jeppesen, Kunnskapssenteret, e-post: elisabeth.jeppesen@norskluftambulans.no
Bibliotekar som utførte eller veiledet søket	Navn: Anita Saur Haukvik Arbeidssted: Sørlandet sykehus HF, Medisinsk bibliotek E-post: Anita.Haukvik@sshf.no Tlf: 3807 3835
Bibliotekar som fagvurderte søket (Ikke obligatorisk)	Navn: Hilde Strømme Arbeidssted: Kunnskapssenteret E-post: hilde.stromme@kunnskapssenteret.no Tlf: 45215163

Obligatoriske kilder er merket med **fet** skrift. Slett gjerne bokser for kilder det ikke er søkt i, og legg eventuelt til nye bokser for kilder som er søkt i tillegg. Nederst i skjemaet er en tom boks som kan kopieres og limes inn andre steder.

Retningslinjer og kliniske oppslagsverk

Database/kilde	Prosedyrer i Nasjonalt nettverk for fagprosedyrer
Dato for søk	5.12.14
Søkehistorie eller fremgangsmåte	nakkekrage, immobilisering, spinal skade
Kommentarer	41 treff, ingen relevante

Database/kilde	Nasjonale retningslinjer fra Helsedirektoratet
Dato for søk:	5.12.14
Søkehistorie eller fremgangsmåte	Søk: Nasjonale retningslinjer, begrenset til publikasjoner, gått gjennom alle titler
Kommentarer	49 treff, ingen relevante

Database/kilde	UpToDate
Dato for søk	5.12.14
Søkehistorie eller	spinal immobilization, spinal immobilisation (redirected to z) http://www.uptodate.com/contents/prehospital-care-of-the-adult-trauma-

fremgangsmåte	patient?source=machineLearning&search=spinal+immobilization&selectedTitle=1~150§ionRank=1&ancho
Kommentarer	Treff i flere artikler via lenker, kopiert i dokumentet <i>UpToDate_Dec_5_2014</i>

Database/kilde	BMJ Best Practice
Dato for søk	5.12.14
Søkehistorie eller fremgangsmåte	Spinal immobilisation (spinal immobilization ga ikke flere treff). Manuelt gått gjennom alle treff i kategoriene Guidelines og Evidence.
Kommentarer	<p>Guidelines: 26 treff, 5 mulig relevante. Evidence: 69 treff, ingen relevante</p> <p>Guidelines:</p> <ul style="list-style-type: none"> • RECM 0024 Immobilization and Splinting in Mountain Rescue • ICAR 2008 The use of extrication devices in crevasse accidents • Theodore et al 2013 Prehospital Cervical Spinal Immobilization After Trauma • Ahn et al 2009 Pre-Hospital Care Management of a Potential Spinal Cord Injured Patient • NATA 2009 Position Statement Acute Management of the Cervical Spine–Injured Athlete

Database/kilde	NICE Guidance (UK)
Dato for søk	5.12.14
Søkehistorie eller fremgangsmåte	Søkeord: spinal immobilisation, spinal immobilization, cervical collar, "spinal injury"
Kommentarer	<p>spinal immobilisation: 3 treff, ingen relevante.</p> <p>spinal immobilization: ingen treff.</p> <p>cervical collar: 1 treff, ikke relevant.</p> <p>spinal injury: 55 treff, ingen relevante (2 under utarbeidelse, ferdig feb. 2016)</p>

Database/kilde	Guidelines International Network (G-I-N)
Dato for søk	5.12.14
Søkehistorie eller fremgangsmåte	Søkeord: spinal immobilisation, spinal immobilization, cervical collar, "spinal injury"
Antall treff	<p>spinal immobilisation: 0</p> <p>spinal immobilization: 1</p> <ul style="list-style-type: none"> • http://www.guideline.gov/content.aspx?id=44234 (vurdering av Theodore et al 2013 Prehospital Cervical Spinal Immobilization After Trauma) <p>cervical collar: 0</p> <p>spinal injury: 1, men bare ref til NICE CG, planlagt ferdig 2016</p>
Kommentarer	

Database/kilde	Helsebibliotekets retningslinjebase
Dato for søk	5-8.12.14

Søkehistorie eller fremgangsmåte	Søkeord: spinal immobilisering, nakkekrage, spinal skade
Kommentarer	Ingen relevante treff i retningslinjebasen

Database/kilde	Socialstyrelsen, Nationella riktlinjer (SE)
Dato for søk	8.12.14
Søkehistorie eller fremgangsmåte	Søkeord: spinal immobilisering, halskrage, spinal skada, ryggmargsskada
Kommentarer	spinal immobilisering: 3 treff, ingen relevante halskrage: 2 treff, ingen relevante spinal skada: 25 treff, ingen relevante ryggmargsskada: 17, ingen relevante

Systematiske oversikter

Database/kilde	The Cochrane Library Obligatorisk: Systematiske oversikter (Cochrane Reviews, Other Reviews) og metodevurderinger (Technology Assessments)																																																
Dato for søk	16/12/14																																																
Søkehistorie	<table border="0"> <thead> <tr> <th>ID</th> <th>Search</th> <th>Hits</th> </tr> </thead> <tbody> <tr> <td>#1</td> <td>(Spinal or spine or myelopath* or neck or cervix or cervical or brain or back or Whiplash or vertebra* or axis or dens or epistropheus or odontoid or atlant* or atlas or compressi*) near/2 (injur* or trauma* or fracture* or wound* or Polytrauma or transection* or laceration* or Post-Traumatic or "Post Traumatic" or contusion* or compressi* or dislocat* or displacement* or subluxation* or luxation*) (Conus next Medullaris next Syndrome*):ti,ab,kw (Word variations have been searched)</td> <td>10120</td> </tr> <tr> <td>#2</td> <td>MeSH descriptor: [Back Injuries] explode all trees</td> <td>766</td> </tr> <tr> <td>#3</td> <td>MeSH descriptor: [Spinal Injuries] explode all trees</td> <td>714</td> </tr> <tr> <td>#4</td> <td>MeSH descriptor: [Spinal Fractures] explode all trees</td> <td>630</td> </tr> <tr> <td>#5</td> <td>MeSH descriptor: [Multiple Trauma] explode all trees</td> <td>190</td> </tr> <tr> <td>#6</td> <td>MeSH descriptor: [Neck Injuries] explode all trees</td> <td>204</td> </tr> <tr> <td>#7</td> <td>MeSH descriptor: [Whiplash Injuries] explode all trees</td> <td>173</td> </tr> <tr> <td>#8</td> <td>MeSH descriptor: [Spinal Cord Injuries] explode all trees</td> <td>902</td> </tr> <tr> <td>#9</td> <td>MeSH descriptor: [Central Cord Syndrome] explode all trees</td> <td>0</td> </tr> <tr> <td>#10</td> <td>MeSH descriptor: [Spinal Cord Compression] explode all trees</td> <td>107</td> </tr> <tr> <td>#11</td> <td>MeSH descriptor: [Trauma, Nervous System] this term only</td> <td>18</td> </tr> <tr> <td>#12</td> <td>MeSH descriptor: [Spinal Cord Compression] explode all trees</td> <td>107</td> </tr> <tr> <td>#13</td> <td>#2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12</td> <td>2052</td> </tr> <tr> <td>#14</td> <td>#1 or #13</td> <td>10307</td> </tr> <tr> <td>#15</td> <td>(Immobili* or precaution* or stabili* or stable or collar* or board* or backboard* or "back board*" or back-board* or extrication or hypokine* or orthotic or orthos* or brace* or restraint* or "vacuum mattress*" or splint* or "sand bag*" or MILS or " manual in-line</td> <td></td> </tr> </tbody> </table>	ID	Search	Hits	#1	(Spinal or spine or myelopath* or neck or cervix or cervical or brain or back or Whiplash or vertebra* or axis or dens or epistropheus or odontoid or atlant* or atlas or compressi*) near/2 (injur* or trauma* or fracture* or wound* or Polytrauma or transection* or laceration* or Post-Traumatic or "Post Traumatic" or contusion* or compressi* or dislocat* or displacement* or subluxation* or luxation*) (Conus next Medullaris next Syndrome*):ti,ab,kw (Word variations have been searched)	10120	#2	MeSH descriptor: [Back Injuries] explode all trees	766	#3	MeSH descriptor: [Spinal Injuries] explode all trees	714	#4	MeSH descriptor: [Spinal Fractures] explode all trees	630	#5	MeSH descriptor: [Multiple Trauma] explode all trees	190	#6	MeSH descriptor: [Neck Injuries] explode all trees	204	#7	MeSH descriptor: [Whiplash Injuries] explode all trees	173	#8	MeSH descriptor: [Spinal Cord Injuries] explode all trees	902	#9	MeSH descriptor: [Central Cord Syndrome] explode all trees	0	#10	MeSH descriptor: [Spinal Cord Compression] explode all trees	107	#11	MeSH descriptor: [Trauma, Nervous System] this term only	18	#12	MeSH descriptor: [Spinal Cord Compression] explode all trees	107	#13	#2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12	2052	#14	#1 or #13	10307	#15	(Immobili* or precaution* or stabili* or stable or collar* or board* or backboard* or "back board*" or back-board* or extrication or hypokine* or orthotic or orthos* or brace* or restraint* or "vacuum mattress*" or splint* or "sand bag*" or MILS or " manual in-line	
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	<p>stabilization" or "manual in-line stabilisation" or tape* or taping or strap* or packag* or stretcher* or litter* or trolley* or gurney* or BNDR or fixation):ti,ab,kw (Word variations have been searched) 46488</p> <p>#16 MeSH descriptor: [Immobilization] explode all trees 625</p> <p>#17 MeSH descriptor: [Restraint, Physical] explode all trees 221</p> <p>#18 MeSH descriptor: [Braces] explode all trees 329</p> <p>#19 MeSH descriptor: [Splints] explode all trees 380</p> <p>#20 MeSH descriptor: [Stretchers] explode all trees 3</p> <p>#21 #16 or #17 or #18 or #19 or #20 1269</p> <p>#22 (Stif-neck or stiff-neck or "Stiff Neck" or x-collar or scoop or Kendrick or combicarrier* or skidboard or LBB or SAM or perfit or ACE og Redi-ACE*) (Word variations have been searched) 931</p> <p>#23 #15 or #21 or #22 47343</p> <p>#24 #14 and #23 1337</p>
Antall treff	<p>Cochrane Reviews:</p> <p>Other Reviews:</p> <p>Technology Assessments:</p> <p>(Legg eventuelt. også til antall treff for de andre delbasene)</p>
Kommentarer	

Primærstudier

Database/kilde	Ovid MEDLINE og Embase (avgrenset til publikasjonsår 2010-)
Dato for søk	17.03.2015
Søkehistorie	<ol style="list-style-type: none"> 1 exp Back Injuries/ 2 exp Spinal Injuries/ 3 exp Spinal Fractures/ 4 exp Multiple Trauma/ 5 exp Neck Injuries/ 6 exp Whiplash Injuries/ 7 exp Spinal Cord Injuries/ 8 exp Central Cord Syndrome/ 9 exp Spinal Cord Compression/ 10 Trauma, Nervous System/ 11 (((Spinal or spine or myelopath* or neck or cervix or cervical or brain or back or Whiplash or vertebra* or axis or dens or epistropheus or odontoid or atlant* or atlas or compressi*) adj2 (injur* or trauma* or fracture* or wound* or Polytrauma or transection* or laceration* or Post-Traumatic or "Post Traumatic" or contusion* or compressi* or dislocat* or displacement* or subluxation* or luxation*)) or (Conus adj Medullaris adj Syndrome*)),tw. 12 or/1-11

13	exp Orthotic Devices/
14	exp Braces/
15	exp Splints/
16	exp Stretchers/
17	((vacuum adj4 splint*) or Immobili* or precaution* or stabili* or stable or collar* or board* or backboard* or "back board*" or extrication or orthotic or orthos* or brace* or restraint* or "vacuum mattress*" or splint* or "sand bag*" or MILS or "manual in-line stabilization" or "manual in-line stabilisation" or tape* or taping or strap* or packag* or stretcher* or gurney* or "head block*" or headblock* or fixation).tw.
18	or/13-17
19	12 and 18
20	19 use pmfc
21	exp spine injury/
22	exp cervical spine injury/
23	exp spine fracture/
24	exp odontoid process fracture/
25	exp vertebra compression/
26	exp vertebra dislocation/
27	exp atlantoaxial dislocation/
28	exp atlantoaxial subluxation/
29	exp cervical spine dislocation/
30	((Spinal or spine or myelopath* or neck or cervix or cervical or brain or back or Whiplash or vertebra* or axis or dens or epistropheus or odontoid or atlant* or atlas or compressi*) adj2 (injur* or trauma* or fracture* or wound* or Polytrauma or transection* or laceration* or "Post Traumatic" or contusion* or compressi* or dislocat* or displacement* or subluxation* or luxation*)) or (Conus adj Medullaris adj Syndrome*).tw.
31	or/21-30
32	exp immobilization/
33	exp cervical collar/
34	exp rigid collar/
35	exp spine board/
36	exp spine stabilization/
37	exp splint/
38	exp stretcher/
39	((vacuum adj4 splint*) or Immobili* or precaution* or stabili* or stable or collar* or board* or backboard* or "back board*" or extrication or orthotic or orthos* or brace* or restraint* or "vacuum mattress*" or splint* or "sand bag*" or MILS or "manual in-line stabilisation" or tape* or taping or strap* or packag* or stretcher* or gurney* or "head block*" or headblock* or fixation).tw.
40	or/32-39
41	31 and 40
42	41 use emefd

	<p>43 20 or 42</p> <p>44 limit 43 to yr="2010"</p> <p>45 remove duplicates from 44</p> <p>46 limit 43 to yr="2011"</p> <p>47 remove duplicates from 46</p> <p>48 limit 43 to yr="2012"</p> <p>49 remove duplicates from 48</p> <p>50 limit 43 to yr="2013"</p> <p>51 remove duplicates from 50</p> <p>52 limit 43 to yr="2014"</p> <p>53 remove duplicates from 52</p> <p>54 limit 43 to yr="2015"</p> <p>55 remove duplicates from 54</p> <p>56 or/45,47,49,51,53,55</p> <p>57 limit 56 to (danish or english or german or norwegian or swedish)</p> <p>58 limit 57 to (addresses or autobiography or bibliography or biography or clinical conference or comment or congresses or consensus development conference or consensus development conference, nih or "corrected and republished article" or dataset or dictionary or directory or duplicate publication or editorial or evaluation studies or festschrift or historical article or in vitro or interactive tutorial or interview or lectures or legal cases or legislation or letter or news or newspaper article or patient education handout or periodical index or portraits or twin study or validation studies or video-audio media or webcasts or book or book series or conference abstract or conference paper or conference proceeding or "conference review" or note or report or short survey or trade journal) [Limit not valid in Ovid MEDLINE(R),Ovid MEDLINE(R) In-Process,Embase; records were retained]</p> <p>59 57 not 58</p>
Antall treff	9441
Kommentarer	<p>I Ovid er det ikke er mulig å «dedupe» (fjerne dubletter) fra sett på mer enn 6000 treff, derfor ble denne prosessen delt opp ved å først begrense på år og så «dedupe» (linje 44-55). I linje 56 ble treffene fra de «dedupede» linjene samlet. På grunn av enorm treffmengde, valgte gruppen å begrense til publikasjoner fra og med 2010. Ettersom treffmengden var svært stor (ca 14000 treff) selv etter begrensning på år, valgte vi også å begrense på språk og publikasjonstyper. De 9441 treffene ble eksportert til EndNote.</p>