

Bilaga till rapport

Analsfinkterskador vid
förlossning nr 249
(2016)

Appendix 4 Search strategies/Bilaga 4 Sökstrategier

Cinahl via EBSCO 26 August 2015

Title: Perineal trauma/sphincter rupture during delivery

Search terms		Items found
Population: women in labour		
1.	MH "Delivery, Obstetric Adverse Effects" OR (MH "Vacuum Extraction, Obstetrical") OR (MH "Labor, Induced") OR (MH "Vaginal Birth After Cesarean") OR (MH "Labor Stage, Second") OR (MH "Labor Complications") OR MH "Vaginal Birth" OR MH "Labor Stages" OR MH "Obstetric Care" OR MH "Primiparas" OR MH "Multiparas" OR MH "Pregnancy"	101,228
2.	TI ("vaginal birth" OR labour OR labor OR delivery OR deliveries OR childbirth OR Obstetric* OR postpartum OR birth OR intrapartum OR primiparous)	41,060
3.	1 OR 2	121,263
Outcome: perineal trauma, anal sphincter ruptures		
4.	MH "Perineum Injuries" OR MH "Rectum Injuries" OR MH "Anus Injuries" OR MH "Perineal Care" OR (MH "Tears and Lacerations" AND MH "Perineum")	1,005
5.	TX (Perine* N2 (trauma OR intact OR tear* OR management OR laceration* OR integrity OR lesion* OR outcome*)) OR (("second degree" OR "third degree" OR "fourth degree") W1 (tear* OR laceration*))	1,361
6.	"rectal mucosa injury" OR rectal W0 injur* OR (sphincter N2 (rupture* OR disruption OR injur* OR tear* OR damage* OR trauma OR laceration* OR lesion*))	237
7.	4 OR 5 OR 6	2,029
Combined sets		
8.	(3 AND 7) OR MH "Perineum Injuries In Pregnancy"	1,294
9.	8 AND Limiters - Peer Reviewed; Language: Danish, English, Norwegian, Swedish	1,162

The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract

AU = Author

DE = Term from the thesaurus

MH = Term from the "Cinahl Headings" thesaurus

MM = Major Concept

TI = Title

TX = All Text. Performs a keyword search of all the database's searchable fields

ZC = Methodology Index

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

Cochrane Library via Wiley 25 June 2015 (CDSR, DARE & CENTRAL)

Title: Perineal trauma/sphincter rupture during delivery

Search terms		Items found
Population: women during labour		
1.	MeSH descriptor: [Delivery, Obstetric] this term only	927
2.	MeSH descriptor: [Extraction, Obstetrical] explode all trees	131
3.	MeSH descriptor: [Labor, Induced] explode all trees	1067
4.	MeSH descriptor: [Vaginal Birth after Cesarean] explode all trees	53
5.	MeSH descriptor: [Labor, Obstetric] this term only	889
6.	MeSH descriptor: [Labor Stage, Second] explode all trees	152
7.	MeSH descriptor: [Obstetric Labor Complications] explode all trees	2391
8.	labour or labor or delivery or deliveries or childbirth or Obstetric* or postpartum or birth or intrapartum:ti,ab,kw	38369
9.	1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7 OR 8	38473
Outcome: perineal trauma, anal sphincter ruptures		
10.	MeSH descriptor: [Perineum] explode all trees	266
11.	MeSH descriptor: [Rectum] explode all trees	1199
12.	MeSH descriptor: [Anal Canal] explode all trees	522
13.	(perineal and (trauma or injur* or tear* or lesion* or integrity or laceration*)):ti,ab,kw	299
14.	(sphincter and (trauma or injur* or tear* or lesion* or integrity or laceration or damage* or rupture* or disruption*)):ti,ab,kw	288
15.	<i>10 OR 11 OR 12 OR 13 OR 14</i>	<i>2135</i>
Combined sets		
16.	15 with Pregnancy and Childbirth Group in Review Groups	Central/171
17.	9 AND 15	CDSR/35 DARE/7 CENTRAL/318 HTA/6 EED/3

The search result, usually found at the end of the documentation, forms the list of abstracts.

[AU] = Author

[MAJR] = MeSH Major Topic

[MeSH] = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

Systematic[SB] = Filter for retrieving systematic reviews

[TI] = Title

[TIAB] = Title or abstract

[TW] = Text Word

* = Truncation

“ ” = Citation Marks; searches for an exact phrase

CDSR = Cochrane Database of Systematic Review

CENTRAL = Cochrane Central Register of Controlled Trials, “trials”

CRM = Method Studies

DARE = Database Abstracts of Reviews of Effects, “other reviews”

EED = Economic Evaluations

HTA = Health Technology Assessments

Embase via Elsevier 15 January 2016

Title: Perineal trauma/sphincter rupture during delivery – economic aspects

Search terms		Items found
Population: women during labour		
1.	'vaginal delivery'/de OR 'childbirth'/de OR 'instrumental delivery'/de OR 'forceps delivery'/de OR 'vacuum extraction'/de OR 'labor induction'/de OR 'labor stage 2'/de OR 'labor complication'/de OR 'parity'/de	81,709
2.	('vaginal birth' OR labour OR labor OR delivery OR deliveries OR childbirth OR Obstetric* OR postpartum OR birth OR intrapartum OR antepartum):ti,ab	812,260
3.	1 OR 2	840,127
Outcome: perineal trauma, anal sphincter ruptures		
4.	'perineum injury'/de OR (('anus sphincter'/de OR 'perineum'/de) AND ('laceration'/de OR 'rupture'/de))	2,311
5.	((perine* OR sphincter) NEAR/1 (tear* OR rupture OR injur* OR disruption OR damage* OR trauma OR laceration* OR lesion*)):ab,ti	3,581
6.	4 OR 5	4,682
Health economic aspects (filter: NHS EED, modified for EMBASE.com)		
7.	('health economics'/de OR 'economic evaluation'/exp OR 'health care cost'/exp OR 'pharmacoeconomics'/exp OR econom*:ab,ti OR cost:ab,ti OR costs:ab,ti OR costly:ab,ti OR costing:ab,ti OR price:ab,ti OR prices:ab,ti OR pricing:ab,ti OR pharmacoeconomic*:ab,ti OR (expenditure* NOT energy):ti,ab OR (value NEXT/2 money):ab,ti OR Budget*:ab,ti) NOT ((metabolic NEXT/2 cost):ab,ti OR ((energy or oxygen) NEXT/2 cost):ab,ti OR ((energy or oxygen) NEAR/2 expenditure):ab,ti)	1,017,290
8.	'quality adjusted life year'/de/mj OR utility:ti,ab OR utilities:ti,ab OR qaly*:ti,ab OR "quality adjusted life":ti,ab OR "disability adjusted life":ti,ab OR daly*:ti,ab OR qald*:ti,ab OR qale*:ti,ab OR qtime*:ti,ab OR "hye":ti,ab OR "hyes":ti,ab OR (('healthy year' OR 'healthy years' OR 'health year' OR 'health years') NEXT/2 equivalent*):ti,ab OR "quality of well being":ti,ab OR "qwb":ti,ab OR "euroqol":ti,ab OR "eq5d":ti,ab OR "eq 5d":ti,ab OR "health utilities index":ti,ab OR "hui":ti,ab OR "hui2":ti,ab OR "hui3":ti,ab OR "rosser":ti,ab OR "sf 6":ti,ab OR "sf6":ti,ab OR "sf6D":ti,ab OR "sf 6D":ti,ab OR "short form 6D":ti,ab OR "time trade off":ti,ab OR "time tradeoff":ti,ab OR "standard gamble":ti,ab OR ((willing or willingness) near/2 (pay or accept)):ti,ab	209,478
9.	7 OR 8	1,191,511
Combined sets		
10.	3 AND 6 AND 8	132
11.	10 NOT ([editorial]/lim OR [erratum]/lim OR [letter]/lim OR [short survey]/lim)	129
12.	11 AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim)	121

/de= Term from the EMTREE controlled vocabulary

/exp= Includes terms found below this term in the EMTREE hierarchy

/mj = Major Topic

:ab = Abstract

:au = Author

:ti = Article Title

:ti,ab = Title or abstract

* = Truncation

“ “ = Citation Marks; searches for an exact phrase “ “ = Citation Marks; searches for an exact phrase

Embase via Elsevier 25 August 2015

Title: Perineal trauma/sphincter rupture during delivery

Search terms	Items found
Population: women during labour	
1. 'vaginal delivery'/de OR 'childbirth'/de OR 'instrumental delivery'/de OR 'forceps delivery'/de OR 'vacuum extraction'/de OR 'labor induction'/de OR 'labor stage 2'/de OR 'labor complication'/de OR 'parity'/de	79,323
2. ('vaginal birth' OR labour OR labor OR delivery OR deliveries OR childbirth OR Obstetric* OR postpartum OR birth OR intrapartum OR antepartum):ti,ab	788,430
3. 1 OR 2	815,623
Outcome: perineal trauma, anal sphincter ruptures	
4. 'perineum injury'/de OR (('anus sphincter'/de OR 'perineum'/de) AND ('laceration'/de OR 'rupture'/de))	2,232
5. ((perine* OR sphincter) NEAR/1 (tear* OR rupture OR injur* OR disruption OR damage* OR trauma OR laceration* OR lesion*)):ab,ti	3,447
6. 4 OR 5	4,521
Combined sets	
7. 3 AND 6	2,784
8. #3 AND #6 NOT ([editorial]/lim OR [erratum]/lim OR [letter]/lim OR [short survey]/lim)	2,650
9. 8 AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim)	2,345

/de= Term from the EMTREE controlled vocabulary

/exp= Includes terms found below this term in the EMTREE hierarchy

/mj = Major Topic

:ab = Abstract

:au = Author

:ti = Article Title

:ti:ab = Title or abstract

* = Truncation

“ “ = Citation Marks; searches for an exact phrase “ “ = Citation Marks; searches for an exact phrase

PubMed via NLM 215 January 2016

Title: Perineal trauma/sphincter rupture during delivery –Economic aspects

Search terms		Items found
Population: women in labour		
1.	"Delivery, Obstetric"[Mesh:NoExp] OR Extraction, Obstetrical[MeSH] OR Labor, Induced[MeSH] OR Vaginal Birth after Cesarean[MeSH] OR Labor, Obstetric[MeSH:NoExp] OR "Labor Stage, Second"[Mesh] OR "Obstetric Labor Complications"[Mesh:NoExp] OR "Parturition"[Mesh] OR "Pregnancy"[Mesh:NoExp]	767293
2.	vaginal birth[ti] OR labour[ti] OR labor[ti] OR delivery[ti] OR deliveries[ti] OR childbirth[ti] OR Obstetric*[ti] OR postpartum[ti] OR birth[ti] OR intrapartum[ti] OR Primiparity[ti]	202771
3.	((vaginal birth[tiab] OR labour[tiab] OR labor[tiab] OR delivery[tiab] OR deliveries[tiab] OR childbirth[tiab] OR vaginal delivery[tiab] OR Obstetric[tiab] OR postpartum[tiab] OR birth[tiab] OR intrapartum[tiab]) NOT medline[SB])	66029
4.	1 OR 2 OR 3	924898
Outcome: perineal trauma, anal sphincter ruptures		
5.	("Perineum"[Mesh] OR Rectum[MeSH] OR Anal Canal[MeSH]) AND (injuries[subheading] OR Lacerations[MeSH])	3700
6.	Perineal[ti] OR perineum[ti] OR genital tract trauma[tiab] OR intact perineum[tiab] OR laceration*[tiab] OR Perineal trauma[tiab] OR Perineal tear*[tiab] OR perineal management[tiab] OR perineal laceration*[tiab] OR perineal integrity[tiab] OR perineal lesion*[tiab] OR perineal outcome*[tiab] OR (Protec*[ti] AND perineum[ti] OR (tear*[tiab] AND vaginal delivery[tiab]) OR ((second degree[tiab] OR third degree[tiab] OR fourth degree[tiab]) AND (tear*[tiab] OR laceration*[tiab])))	15401
7.	rectal mucosa injury[tiab] OR rectal injur*[tiab] OR rupture of the sphincter[tiab] OR sphincter disruption[tiab] OR sphincter rupture*[tiab] OR sphincter injur*[tiab] OR sphincter muscle injur*[tiab] OR sphincter tear*[tiab] OR sphincter damage*[tiab] OR Sphincter Trauma[tiab] OR sphincter laceration*[tiab] OR sphincter lesion*[tiab]	1702
8.	5 OR 6 OR 7	18585
Health economic aspects (filter: NHS EED) or quality of life		
9.	((("Economics"[Mesh:NoExp] OR "Costs and Cost Analysis"[Mesh] OR "Economics, Dental"[Mesh] OR "Economics, Hospital"[Mesh] OR "Economics, Medical"[Mesh] OR "Economics, Nursing"[Mesh] OR "Economics, Pharmaceutical"[Mesh] OR economic*[Title/Abstract] OR cost[Title/Abstract] OR costs[Title/Abstract] OR costly[Title/Abstract] OR costing[Title/Abstract] OR price[Title/Abstract] OR prices[Title/Abstract] OR pricing[Title/Abstract] OR pharmacoeconomic*[Title/Abstract] OR "value for money"[Title/Abstract] OR budget*[Title/Abstract] OR (expenditure*[Title/Abstract] NOT energy[Title/Abstract])) NOT (energy cost[Title/Abstract] OR oxygen cost[Title/Abstract] OR metabolic cost[Title/Abstract] OR energy expenditure[Title/Abstract] OR oxygen expenditure[Title/Abstract]))	680695
10.	"Quality-Adjusted Life Years"[Mesh] OR utility[tiab] OR utilities[tiab] OR qaly*[tiab] OR "quality adjusted life"[tiab] OR "disability adjusted life"[tiab] OR daly*[tiab] OR qald*[tiab] OR qale*[tiab] OR qtime*[tiab] OR "hye"[tiab] OR "hyes"[tiab] OR "healthy year equivalent"[tiab] OR "healthy year equivalents"[tiab] OR "healthy years equivalent"[tiab] OR "healthy years equivalents"[tiab] OR "quality of well being"[tiab] OR "qwb"[tiab] OR "euroqol"[tiab] OR "eq5d"[tiab] OR "eq 5d"[tiab] OR "health utilities index"[tiab] OR "hui"[tiab] OR "hui2"[tiab] OR "hui3"[tiab] OR "rosser"[tiab] OR "sf 6"[tiab] OR "sf6"[tiab] OR "sf6D"[tiab] OR "sf 6D"[tiab] OR "short form 6D"[tiab] OR "time trade off"[tiab] OR time trade-off[tiab] TTO[tiab] OR "time tradeoff"[tiab] OR "standard gamble"[tiab] OR "willingness to pay"[tiab] OR "willingness to accept"[tiab] OR "willing to pay"[tiab]	5141
11.	9 OR 10	682330

Combined sets

12.	(4 AND 8 AND 11) NOT ((animals [mh] NOT humans [mh])) NOT ("Comment" [Publication Type] OR "Letter" [Publication Type])) AND ((english[la] OR swedish[la] OR danish[la] OR Norwegian[la]))	67
-----	---	----

The search result, usually found at the end of the documentation, forms the list of abstracts.

[MeSH] = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

[MAJR] = MeSH Major Topic

[TIAB] = Title or abstract

[TI] = Title

[AU] = Author

[TW] = Text Word

Systematic[SB] = Filter for retrieving systematic reviews

* = Truncation

PubMed via NLM 24 August 2015

Title: Perineal trauma/sphincter rupture during delivery

Search terms		Items found
Population: women in labour		
1.	"Delivery, Obstetric"[Mesh:NoExp] OR Extraction, Obstetrical[MeSH] OR Labor, Induced[MeSH] OR Vaginal Birth after Cesarean[MeSH] OR Labor, Obstetric[MeSH:NoExp] OR "Labor Stage, Second"[Mesh] OR "Obstetric Labor Complications"[Mesh:NoExp] OR "Parturition"[Mesh] OR "Pregnancy"[Mesh:NoExp]	724018
2.	vaginal birth[ti] OR labour[ti] OR labor[ti] OR delivery[ti] OR deliveries[ti] OR childbirth[ti] OR Obstetric*[ti] OR postpartum[ti] OR birth[ti] OR intrapartum[ti] OR Primiparity[ti]	198275
3.	((vaginal birth[tiab] OR labour[tiab] OR labor[tiab] OR delivery[tiab] OR deliveries[tiab] OR childbirth[tiab] OR vaginal delivery[tiab] OR Obstetric[tiab] OR postpartum[tiab] OR birth[tiab] OR intrapartum[tiab]) NOT medline[SB])	64135
4.	1 OR 2 OR 3	881727
Outcome: perineal trauma, anal sphincter ruptures		
5.	("Perineum"[Mesh] OR Rectum[MeSH] OR Anal Canal[MeSH]) AND (injuries[subheading] OR Lacerations[MeSH])	3577
6.	Perineal[ti] OR perineum[ti] OR genital tract trauma[tiab] OR intact perineum[tiab] OR laceration*[tiab] OR Perineal trauma[tiab] OR Perineal tear*[tiab] OR perineal management[tiab] OR perineal laceration*[tiab] OR perineal integrity[tiab] OR perineal lesion*[tiab] OR perineal outcome*[tiab] OR (Protec*[ti] AND perineum[ti]) OR (tear*[tiab] AND vaginal delivery[tiab]) OR ((second degree[tiab] OR third degree[tiab] OR fourth degree[tiab]) AND (tear*[tiab] OR laceration*[tiab]))	15110
7.	rectal mucosa injury[tiab] OR rectal injur*[tiab] OR rupture of the sphincter[tiab] OR sphincter disruption[tiab] OR sphincter rupture*[tiab] OR sphincter injur*[tiab] OR sphincter muscle injur*[tiab] OR sphincter tear*[tiab] OR sphincter damage*[tiab] OR Sphincter Trauma[tiab] OR sphincter laceration*[tiab] OR sphincter lesion*[tiab]	1664
8.	5 OR 6 OR 7	18219
Combined sets		
9.	4 AND 8	3105
10.	(4 AND 8) NOT ((animals [mh] NOT humans [mh])) NOT (("Comment" [Publication Type] OR "Letter" [Publication Type])) AND ((english[la] OR swedish[la] OR danish[la] OR Norwegian[la]))	2398

The search result, usually found at the end of the documentation, forms the list of abstracts.

[MeSH] = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

[MAJR] = MeSH Major Topic

[TIAB] = Title or abstract

[TI] = Title

[AU] = Author

[TW] = Text Word

Systematic[SB] = Filter for retrieving systematic reviews

* = Truncation

Scopus via Elsevier 27 August 2015

Title: Perineal trauma/sphincter rupture during delivery

Search terms	Items found
Population: women in/after labour	
1. TITLE-ABS-KEY ("vaginal birth" OR childbirth OR postpartum OR intrapartum) OR TITLE (labour OR labor OR delivery OR deliveries OR childbirth OR Obstetric* OR postpartum OR birth OR intrapartum)	356,316
Outcome: perineal trauma, anal sphincter ruptures	
2. TITLE-ABS-KEY ((perine* OR sphincter) W/1 (tear* OR rupture OR injur* OR disruption OR damage* OR trauma OR laceration* OR lesion*))	4,646
Combined sets	
3. 1 AND 2	1,892
4. 3 AND ((LIMIT-TO (DOCTYPE , "ar") OR LIMIT-TO (DOCTYPE , "re")) AND (LIMIT-TO (LANGUAGE , "English") OR LIMIT-TO (LANGUAGE , "Danish") OR LIMIT-TO (LANGUAGE , "Norwegian") OR LIMIT-TO (LANGUAGE , "Swedish"))	1,377

The search result, usually found at the end of the documentation, forms the list of abstracts.

TITLE-ABS-KEY = Title or abstract or keywords

ALL= All fields

PRE/n= "precedes by". The first term in the search must precede the second by a specified number of terms (n).

W/n= "within". The terms in the search must be within a specified number of terms (n) in any order.

* = Truncation

LIMIT-TO (SRCTYPE , "j" = Limit to source type journal

LIMIT-TO (DOCTYPE , "ar" = Limit to document type article

LIMIT-TO (DOCTYPE , "re" = Limit to document type review