



Åldersbedömning- magnetkameraundersökning av tillväxtzonen i lårbenets nedre del/ Age estimation by magnetic resonance imaging of the knee, rapport 333 2021

## Bilaga 1 Sökdokumentation /Appendix 1 Search strategies

Cochrane Library via Wiley 13 March 2021 (CDSR, Cochrane Protocols & CENTRAL)

Search terms		Items found
<b>Age assessment</b>		
1.	2. ((age or matur* or ossification or year*) NEAR/3 (assess* or chronologic* or determ* or estimat* or evaluat* or examin* or forensic or ident* or legal or measur* or predict* or verif*)):ti,ab,kw	33,728
3.	((epiphys* or "growth plate*") AND (adolescen* or age or child* or matur* or ossification or year* or "young adult*")):ti,ab,kw	197
4.	1 OR 2	33,904
<b>Knee</b>		
5.	(femur or femoral or knee* or tibia*):ti,ab,kw	47,628
<b>MRI</b>		
6.	("magnetic resonance imag*" or mr or mri or mris or nmr or radiolog* or radiograp*):ti,ab,kw	71,218
<b>Combined sets</b>		
7.	3 AND 4 AND 5 with Publication Year from 2017 to 2021, in Trials	175
8.		
<b>Final result</b>		
9.		CENTRAL/175

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

:**ti,ab,kw** = Title, abstract or keyword; \* = Truncation; " " = Citation Marks; searches for an exact phrase; **CDSR** = Cochrane Database of Systematic Review; **Cochrane Protocols** = Protocols of systematic reviews registered in Cochrane Library; **CENTRAL** = Cochrane Central Register of Controlled Trials, "trials"

## Embase via Elsevier 13 March 2021

Search terms	Items found
<b>Age assessment</b>	
1. 'age determination'/exp	7,157
2. 'forensic anthropology'/de	945
3. 'epiphysis'/exp AND ('adolescent'/de OR 'young adult'/de)	1,598
4. ((age OR matur* OR ossification OR year*) NEAR/3 (assess* OR chronologic* OR determ* OR estimat* OR evaluat* OR examin* OR forensic OR ident* OR legal OR measur* OR predict* OR verif*)):ti,ab,kw	390,674
5. (epiphys*:ti,ab,kw OR 'growth plate*':ti,ab,kw) AND (adolescen*:ti,ab,kw OR age:ti,ab,kw OR child*:ti,ab,kw OR matur*:ti,ab,kw OR ossification:ti,ab,kw OR year*:ti,ab,kw OR 'young adult*':ti,ab,kw)	14,541
6. 1 OR 2 OR 3 OR 4 OR 5	408,413
<b>Knee</b>	
7. 'knee'/de	72,652
8. 'tibia'/exp	50,583
9. 'femur'/exp	99,787
10. femur:ti,ab,kw OR femoral:ti,ab,kw OR knee*:ti,ab,kw OR tibia*:ti,ab,kw	484,203
11. 7 OR 8 OR 9 OR 10	515,789
<b>MRI</b>	
12. 'nuclear magnetic resonance imaging'/de	827,865
13. 'radiography'/de	279,653
14. 'magnetic resonance imag*':ti,ab,kw OR mr:ti,ab,kw OR mri:ti,ab,kw OR mris:ti,ab,kw OR nmr:ti,ab,kw OR radiolog*:ti,ab,kw OR radiograp*:ti,ab,kw	1,524,715
15. 12 OR 13 OR 14	1,995,377
<b>Combined sets</b>	
16. 6 AND 11 AND 15	6,454
17. #16 AND (2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py)	1,717
<b>Final result</b>	
<b>18.</b>	<b>1,717</b>

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

**/de** = Term from the EMTREE controlled vocabulary; **/exp** = Includes terms found below this term in the EMTREE hierarchy; **:ti,ab,kw** = Title, abstract or keyword; **\*** = Truncation; **' '** = Citation Marks, searches for an exact phrase; **NEAR/n** = Requests terms that are within 'n' words of each other in either direction

## Medline via OvidSP 13 March 2021

Search terms	Items found
<b>Age assessment</b>	
1. Age Determination by Skeleton/	4,522
2. Forensic Anthropology/	3,456
3. Age Factors/	460,586
4. exp Epiphyses/ and (Adolescent/ or Young Adult/)	2,470
5. ((age or matur* or ossification or year*) adj3 (assess* or chronologic* or determ* or estimat* or evaluat* or examin* or forensic or ident* or legal or measur* or predict* or verif*)).ti,ab,kf.	262,304
6. ((epiphys* or growth plate*) and (adolescen* or age or child* or matur* or ossification or year* or young adult*)).ti,ab,kf.	11,304
7. 1 OR 2 OR 3 OR 4 OR 5 OR 6	
<b>Knee</b>	
8. Knee/	14,687
9. exp Knee Joint/	62,570
10. Tibia/	35,866
11. Femur/	42,511
12. (femur or femoral or knee* or tibia*).ti,ab,kf.	362,387
13. 8 OR 9 OR 10 OR 11 OR 12	392,387
<b>MRI</b>	
14. Magnetic Resonance Imaging/	417,253
15. Radiography/	320,591
16. (magnetic resonance imag* or mr or mri or mris or nmr or radiolog* or radiograp*).ti,ab,kf.	1,124,815
17. 14 OR 15 OR 16	1,472,256
<b>Combined sets</b>	
18. 7 AND 13 AND 17	7,406
19. limit 18 to yr="2017 -Current"	1,389
<b>Final result</b>	
20.	1,389

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

**ti.ab,kf.** = Title, abstract or Keyword Heading Word; **/** = Term from the Medline controlled vocabulary, but does not include terms (if existing) found below this term in the MeSH hierarchy; **\*** = Truncation (if found at the end of a free text term); **adjN** = Positional operator that lets you retrieve records that contain your terms (in any order) within a specified number (n) of words of each other

## Epistemonikos 13 March 2021

Search terms	Items found
<b>Age assessment</b>	
1. (title:(((age OR matur* OR year*) AND (assess* OR chronologic* OR determ* OR estimat* OR evaluat* OR examin* OR forensic OR ident* OR legal OR measur* OR predict* OR verif*)) OR ((epiphys* OR "growth plate*") AND (adolescen* OR age OR child* OR matur* OR ossification OR year* OR "young adult*")))) OR abstract:(((age OR matur* OR year*) AND (assess* OR chronologic* OR determ* OR estimat* OR evaluat* OR examin* OR forensic OR ident* OR legal OR measur* OR predict* OR verif*)) OR ((epiphys* OR "growth plate*") AND (adolescen* OR age OR child* OR matur* OR ossification OR year* OR "young adult*"))))	
<b>Knee</b>	
2. (title:(femur OR femoral OR knee* OR tibia*) OR abstract:(femur OR femoral OR knee* OR tibia*))	
<b>MRI</b>	
3. (title:("magnetic resonance imag*" OR mr OR mri OR mris OR nmr OR radiolog* OR radiograp*) OR abstract:("magnetic resonance imag*" OR mr OR mri OR mris OR nmr OR radiolog* OR radiograp*))	
<b>Combined sets</b>	
4. 1 AND 2 AND 3 (Year 2017–2021)	198
<b>Final result</b>	
5.	198

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\* = Truncation

## KSR Evidence 13 March 2021

Search terms	Items found
<b>Age assessment</b>	
1. ((age OR matur* OR year*) AND (assess* OR chronologic* OR determ* OR estimat* OR evaluat* OR examin* OR forensic OR ident* OR legal OR measur* OR predict* OR verif*)) OR ((epiphys* OR "growth plate*") AND (adolescen* OR age OR child* OR matur* OR ossification OR year* OR "young adult*"))	
<b>Knee</b>	
2. (femur OR femoral OR knee* OR tibia*)	
<b>MRI</b>	
3. ("magnetic resonance imag*" OR mr OR mri OR mris OR nmr OR radiolog* OR radiograp*)	
<b>Combined sets</b>	
4. 1 AND 2 AND 3 (Year 2017–2021)	193
<b>Final result</b>	
5.	193

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

**All text** = All fields; \* = Truncation; " " = Citation Marks; searches for an exact phrase

## International HTA Database 13 March 2021

Search terms	Items found
<b>Age assessment</b>	
1. ((age OR matur* OR year*) AND (assess* OR chronologic* OR determ* OR estimat* OR evaluat* OR examin* OR forensic OR ident* OR legal OR measur* OR predict* OR verif*)) OR ((epiphys* OR "growth plate*") AND (adolescen* OR age OR child* OR matur* OR ossification OR year* OR "young adult*"))	
<b>Knee</b>	
2. (femur OR femoral OR knee* OR tibia*)	
<b>MRI</b>	
3. ("magnetic resonance imag*" OR mr OR mri OR mris OR nmr OR radiolog* OR radiograp*)	
<b>Combined sets</b>	
4. 1 AND 2 AND 3 (Year 2017–2021)	0
5.	
<b>Final result</b>	
6.	0

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

**All** = All fields; \* = Truncation; " " = Citation Marks; searches for an exact phrase