

Rad: 87

Tillstånd: Dentinkaries, vuxen person med behov av särskilt stöd.

Åtgärd: Atraumatic restorative treatment (ART).

### *Beskrivning av tillstånd och åtgärd*

Tillståndet innefattar dentinkaries hos vuxen person med behov av särskilt stöd, till exempel på grund av kognitiv svikt, funktionsnedsättning eller annan medicinsk orsak. Atraumatic restorative treatment (ART) är en alternativ metod för att behandla kariesangrepp med en exkaveringsteknik där dentinkaries tas bort genom handexkavering.

### *Vilken effekt har åtgärden?*

Det saknas studier för att kunna bedöma effekten av ART jämfört med ingen behandling av dentinkaries hos vuxen person med behov av särskilt stöd för utfallen livskvalitet, pulpvitalitet eller apikal parodontit.

### *Har åtgärden några biverkningar eller oönskade effekter?*

- Åtgärden innebär inga kända biverkningar eller oönskade effekter.
- Det saknas information i studierna om biverkningar eller oönskade effekter.
- Ja. [Här beskriver du eventuella biverkningar och oönskade effekter som inte är evidensgraderade.]

### *Vilka studier ingår i granskningen?*

I granskningen ingår 0 studier.

I interventionsgruppen skulle tand med dentinkaries ha behandlats med ART och i kontrollgruppen skulle tand med dentinkaries inte ha behandlats.

- Inga pågående studier har identifierats.
- Ja. [Här beskriver du mycket kort de identifierade pågående studierna.]

### *Saknas någon information i studierna?*

- Ingen relevant information saknas i studierna utifrån de uppställda inklusionskriterierna.
- Ja. Det saknas studier som har studerat effekten av ART jämfört med ingen behandling på effektmåten livskvalitet, pulpvitalitet eller apikal parodontit, för en vuxen person med behov av särskilt stöd.



## Översikt av granskade studier

### Val av litteratur

Resultat från litteratursökning från 2019-02-20 och från uppdaterad sökning 2019-11-25

Beskrivning	Antal
Studier som granskades på abstractnivå utifrån de uppställda kriterierna för PICO	2 527
Granskade abstract/s som bedömdes relevanta utifrån de uppställda kriterierna för PICO och granskades på fulltextnivå	242
Systematiska översikter/RCT-studier/observationsstudier som uppfyllde kriterierna för PICO och ingår i underlaget	0

## Litteratursökning

Denna sökning innefattar flera TÅ-rader (TÅ-38-41 samt TÅ 86–87).

### Cochrane Library via Wiley 25 November 2019 (CDSR, CENTRAL)

Search terms		Items found
<b>Intervention:</b>		
1.	("ART-technique" OR "atraumatic restorative treatment" OR "caries excavation" OR "complete excavation" OR "complete caries excavation" OR "complete caries removal" OR "incomplete caries removal" OR "incomplete dentine caries removal" OR "incomplete excavation" OR "incompletely excavated teeth" OR "indirect pulp capping" OR "indirect pulp therapy" OR "indirect pulp treatment" OR "micro dentistry" or "minimal caries removal" OR "minimal intervention dentistry" OR "partial caries removal" OR "partial excavation" OR "selective caries excavation" OR "selective caries removal" OR "stepwise caries excavation" OR "stepwise caries removal" OR "stepwise caries removal" OR "stepwise carious tissue removal" OR "stepwise excavation" OR "SWR method" OR "SWR treatment" OR "total caries excavation"):ti,ab,kw	310
<b>Combined sets</b>		
2.	<b>Final set</b>	CDSR/3 Central/359

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

:au = Author

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

this term only = Does not include terms found below this term in the MeSH hierarchy

:ti = title

:ab = abstract

:kw = keyword

\* = 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 25 November 2019

Search terms	Items found
<b>Intervention:</b>	
1. ART-technique:ab,kw,ti OR 'atraumatic restorative treatment':ab,kw,ti OR 'caries excavation':ab,kw,ti OR 'complete excavation':ab,kw,ti OR 'complete caries excavation':ab,kw,ti OR 'complete caries removal':ab,kw,ti OR 'incomplete caries removal':ab,kw,ti OR 'incomplete dentine caries removal':ab,kw,ti OR 'incomplete excavation':ab,kw,ti OR 'incompletely excavated teeth':ab,kw,ti OR 'indirect pulp capping':ab,kw,ti OR 'indirect pulp therapy':ab,kw,ti OR 'indirect pulp treatment':ab,kw,ti OR 'micro dentistry':ab,kw,ti or 'minimal caries removal':ab,kw,ti OR 'minimal intervention dentistry':ab,kw,ti OR 'partial caries removal':ab,kw,ti OR 'partial excavation':ab,kw,ti OR 'selective caries excavation':ab,kw,ti OR 'selective caries removal':ab,kw,ti OR 'stepwise caries excavation':ab,kw,ti OR 'stepwise caries removal':ab,kw,ti OR 'stepwise caries removal':ab,kw,ti OR 'stepwise carious tissue removal':ab,kw,ti OR 'stepwise excavation':ab,kw,ti OR 'SWR method':ab,kw,ti OR 'SWR treatment':ab,kw,ti OR 'total caries excavation':ab,kw,ti	1103
2. ((atraumatic OR caries OR complete OR conservative OR incomplete* OR invasive OR methods OR minimal* OR 'multi step' OR 'one step' OR partial* OR procedure* OR selective OR 'single step' OR 'step by step' OR stepwise OR strategy* OR techniques OR 'three step' OR total OR 'two step' OR 'ultra-conservative') NEAR/8 (excavation* OR excavated)):ab,kw,ti	600
3. (("alternative restorative" OR atraumatic OR complete OR "conservative treatment" OR incomplete OR invasive OR management OR minimal* OR multi-step OR non-selective OR one-step OR partial* OR removal OR selective OR single-step OR step-by-step OR stepwise OR three-step OR two-step OR ultra-conservative) NEAR/3 (caries or carious)):ab,kw,ti	1685
4. 1-3 (OR)	2832
<b>Study types:</b>	
5. (('clinical trial'/exp OR 'clinical trial (topic)'/exp OR 'randomized controlled trial'/de OR 'randomization'/de OR 'single blind procedure'/de OR 'double blind procedure'/de OR 'crossover procedure'/de OR 'placebo'/de OR (randomi?ed NEXT/1 controlled NEXT/1 trial*) OR rct OR 'random allocation' OR 'randomly allocated' OR (allocated NEAR/2 random) OR (single NEXT/1 blind*) OR (double NEXT/1 blind*) OR ((treble OR triple) NEXT/1 blind*) OR placebo*) NOT ('case study'/de OR 'case report' OR 'abstract report'/de OR 'letter'/de))	1995280
<b>Combined sets/Limits</b>	
6. 4 AND 'systematic review'/de	30
7. 4 AND 5 [embase]/lim AND ((danish)/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim)	70

The 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  
/mj = Major Topic  
:ab = Abstract  
:au = Author  
:ti = Article Title  
:ti:ab = Title or abstract  
\* = Truncation  
" " = Citation Marks; searches for an exact phrase

## Medline via Ovid 25 November 2019

Search terms	Items found
<b>Intervention:</b>	
1. ("ART-technique" OR "atraumatic restorative treatment" OR "caries excavation" OR "complete excavation" OR "complete caries excavation" OR "complete caries removal" OR "incomplete caries removal" OR "incomplete dentine caries removal" OR "incomplete excavation" OR "incompletely excavated teeth" OR "indirect pulp capping" OR "indirect pulp therapy" OR "indirect pulp treatment" OR "micro dentistry" or "minimal caries removal" OR "minimal intervention dentistry" OR "partial caries removal" OR "partial excavation" OR "selective caries excavation" OR "selective caries removal" OR "stepwise caries excavation" OR "stepwise caries removal" OR "stepwise caries removal" OR "stepwise carious tissue removal" OR "stepwise excavation" OR "SWR method" OR "SWR treatment" OR "total caries excavation").af.	1194
2. ((atraumatic or caries or complete or conservative or incomplete* or invasive or methods or minimal* or multi-step or one-step or partial* or procedure* or selective or single-step or step-by-step or stepwise or strategy* or techniques or three-step or total or two-step or "ultra-conservative") adj8 (excavation* or excavated)).af.	551
3. (("alternative restorative" OR atraumatic OR complete OR "conservative treatment" OR incomplete OR invasive OR management OR minimal* OR multi-step OR non-selective OR one-step OR partial* OR removal OR selective OR single-step OR step-by-step OR stepwise OR three-step OR two-step OR ultra-conservative) ADJ3 (caries or carious)).af.	1746
4. exp *Dental Caries/th OR exp *Dental Cavity Preparation/mt OR exp Dental Atraumatic Restorative Treatment/ OR *Dentin/su OR *Dental Pulp Exposure/pc OR exp *Dental Pulp Capping/mt	4222
5. 1-4 (OR)	6117
<b>Combined sets/Study types/Limits:</b>	
6. 5 limit to (yr="2000 - 2019" and (danish or english or norwegian or swedish) and systematic reviews) [date of search 21 February 2019]	236
7. 5 limit to (danish or english or norwegian or swedish) and "therapy (maximizes sensitivity)" [date of search 21 February 2019]	2064
8. 5 limit 5 to (yr="2019" and (danish or english or norwegian or swedish)) [date of search 25 nov 2019]	229

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

.ab. =Abstract

.ab.ti. = Abstract or title

.af.= All fields

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

.sh.= Term from the Medline controlled vocabulary

.ti. = Title

/ = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy

\* = Focus (if found in front of a MeSH-term)

\* or \$= Truncation (if found at the end of a free text term)

.mp=text, heading word, subject area node, title