



Effekten av speilterapi hos slagpasienter med paralyse eller alvorlig parese i overekstremiteten på armfunksjon og ADL.

Kontaktperson: Liv Hege Kateraas og Bent Indredavik
Søk: Malene Wøhlk Gundersen
Kommentar: Søk etter systematiske oversikter og RCT-er
Tidsbruk: 27 timer

Dublettsjekk i EndNote (Best Practice og UpToDate er ikke inkludert i disse tallene):

Før dublettkontroll: SR: 281
RCT: 648
Etter dublettkontroll: SR: 192
RCT: 382

Pico-skjema:

Hva handler spørsmålet om?	Spørsmålet i PICO format			
	Populasjon (pasient)	Intervensjon (tiltak)	Comparison (sammenligning/kontroll)	Outcome(s) (utfall/effekt)
Hva er effekten av speilterapi hos slagpasienter med paralyse eller alvorlig parese i overekstremiteten på armfunksjon og ADL?	Stroke patients with upper extremity paresis or paralysis	Mirror therapy	No treatment or treatment as usual.	Upper extremity function, ADL.

Database: Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations, Ovid MEDLINE(R) Daily and Ovid MEDLINE(R) 1946 to Present
Dato: 13.01.2016
Antall treff: 202 totalt (101 SR og 107 RCT)

#	Searches	Results
1	stroke/	68866
2	cerebrovascular disorders/	44146
3	brain infarction/	3522
4	brain stem infarctions/	610
5	cerebral infarction/	19937
6	infarction, anterior cerebral artery/	196
7	infarction, middle cerebral artery/	6204



8	infarction, posterior cerebral artery/	226
9	intracranial embolism/	4492
10	intracranial thrombosis/ or "Intracranial Embolism and Thrombosis"/	2046
11	cerebral hemorrhage/	28692
12	intracranial hemorrhage, hypertensive/	266
13	Stroke, Lacunar/	265
14	(stroke* or cerebrovasc* or apoplex* or poststroke* or post-stroke*).tw.	198479
15	((brain* or cerebr* or cerebell* or intracerebral) adj5 (haemorrhage* or hemorrhage* or haematoma* or hematoma*)).tw.	25938
16	or/1-15	279213
17	illusions/	4650
18	optical illusions/	4224
19	mirror*.tw.	34315
20	((visual or virtual) adj3 (reflect* or illusion* or feedback or therap*)).tw.	6379
21	((upper limb* or upper extremit* or arm or shoulder* or hand* or axilla* or elbow* or forearm* or finger* or wrist*) adj3 (reflect* or illusion*)).tw.	1186
22	or/17-21	48560
23	((systematic* or literature) adj2 review*).mp.	180212
24	(metaanalys* or meta analys*).mp. or (meta analysis or review).pt.	2110415
25	or/23-24	2168927
26	16 and 22 and 25	139
27	limit 26 to yr="2005 -Current"	101
28	randomized controlled trial.pt. or (placebo or sham).tw. or randomi#ed.ti. or randomly.tw.	702516
29	16 and 22 and 28	126
30	limit 29 to yr="2005 -Current"	107
31	27 or 30	202



Database: Embase 1974 to 2016 January 12

Dato: 13.01.2016

Antall treff: 214 totalt (58 SR og 186 RCT)

#	Searches	Results
1	cerebrovascular accident/	116249
2	cerebrovascular disease/	50916
3	brain infarction/	40406
4	brain stem infarction/	1112
5	cerebral artery disease/	3715
6	brain embolism/	5915
7	occlusive cerebrovascular disease/	7779
8	brain hemorrhage/	71352
9	lacunar stroke/	1488
10	cardioembolic stroke/	1273
11	experimental stroke/	313
12	stroke patient/	16169
13	stroke unit/	2832
14	(stroke* or cerebrovasc* or apoplex* or poststroke* or post-stroke*).tw.	295195
15	((brain* or cerebr* or cerebell* or intracerebral) adj5 (haemorrhage* or hemorrhage* or haematoma* or hematoma*)).tw.	35893
16	or/1-15	435645
17	illusion/	4519
18	visual illusion/	4327
19	visual feedback/	1720
20	mirror*.tw.	35144
21	((visual or virtual) adj3 (reflect* or illusion* or feedback or therap*)).tw.	7591
22	((upper limb* or upper extremit* or arm or shoulder* or hand* or axilla* or elbow* or forearm* or finger* or wrist*) adj3 (reflect* or illusion*)).tw.	1409
23	or/17-22	51512



24	meta analysis/ or "systematic review"/	163735
25	((systematic* adj2 review*) or metaanalys* or meta analys*).tw.	176008
26	or/24-25	225236
27	16 and 23 and 26	63
28	limit 27 to yr="2005 -Current"	58
29	randomized controlled trial/	391636
30	(randomi#ed or placebo).mp.	969245
31	or/29-30	969245
32	16 and 23 and 31	204
33	limit 32 to yr="2005 -Current"	186
34	28 or 33	214

Database: The Cochrane Library (*Cochrane Database of Systematic Reviews: Issue 1 of 12, January 2016; Database of Abstracts of Reviews of Effect: Issue 2 of 4, April 2015; Cochrane Central Register of Controlled Trials: Issue 12 of 12, December 2015; Health Technology Assessment Database: Issue 4 of 4, October 2015*)

Dato: 13.01.2016

Antall treff: 193 (CDSR: 4; Other: 4; Trials: 185; HTA: 0)

ID	Search	Hits
#1	MeSH descriptor: [Stroke] this term only	5088
#2	MeSH descriptor: [Cerebrovascular Disorders] this term only	1413
#3	MeSH descriptor: [Brain Infarction] this term only	53
#4	MeSH descriptor: [Brain Stem Infarctions] this term only	2
#5	MeSH descriptor: [Cerebral Infarction] this term only	511
#6	MeSH descriptor: [Infarction, Anterior Cerebral Artery] this term only	3
#7	MeSH descriptor: [Infarction, Middle Cerebral Artery] this term only	93
#8	MeSH descriptor: [Infarction, Posterior Cerebral Artery] this term only	3
#9	MeSH descriptor: [Intracranial Embolism] this term only	115
#10	MeSH descriptor: [Intracranial Thrombosis] this term only	34
#11	MeSH descriptor: [Cerebral Hemorrhage] this term only	689
#12	MeSH descriptor: [Intracranial Hemorrhage, Hypertensive] this term only	17
#13	MeSH descriptor: [Stroke, Lacunar] this term only	16



#14	(stroke* or cerebrovasc* or apoplex* or poststroke* or post-stroke*):ti,ab,kw	32480
#15	((brain* or cerebr* or cerebell* or intracerebral) near/5 (haemorrhage* or hemorrhage* or haematoma* or hematoma*)):ti,ab,kw	3127
#16	{or #1-#15}	34737
#17	MeSH descriptor: [Illusions] this term only	92
#18	MeSH descriptor: [Optical Illusions] this term only	86
#19	mirror*:ti,ab,kw	972
#20	((visual or virtual) near/3 (reflect* or illusion* or feedback or therap*)):ti,ab,kw	1831
#21	((upper limb* or upper extremit* or arm or shoulder* or hand* or axilla* or elbow* or forearm* or finger* or wrist*) near/3 (reflect* or illusion*)):ti,ab,kw	73
#22	{or #17-#21}	2961
#23	#16 and #22 Publication Year from 2005 to 2016, in Cochrane Reviews (Reviews and Protocols), Other Reviews and Technology Assessments	8
#24	#16 and #22 Publication Year from 2005 to 2016, in Trials	185

Database: Cinahl via EBSCOhost
Dato: 14.01.2016
Antall treff: 84 totalt (35 SR og 61 RCT)

#	Query	Results
S1	(MH "Stroke")	35,767
S2	(MH "Cerebrovascular Disorders")	3,482
S3	(MH "Intracranial Embolism")	185
S4	(MH "Intracranial Thrombosis")	117
S5	(MH "Intracranial Embolism and Thrombosis")	872
S6	(MH "Cerebral Hemorrhage")	3,269
S7	(MH "Intracranial Hemorrhage")	1,155
S8	(MH "Stroke, Lacunar")	53
S9	(MH "Stroke Units")	280
S10	(MH "Stroke Patients")	2,520



S11	TI ((stroke or cerebrovasc* or apoplex* or or poststroke* or post-stroke)) OR AB ((stroke or cerebrovasc* or apoplex* or or poststroke* or post-stroke))	42,700
S12	TI (((brain* or cerebr* or cerebell* or intracerebral) N5 (haemorrhage* or hemorrhage* or haematoma* or hematoma*))) OR AB (((brain* or cerebr* or cerebell* or intracerebral) N5 (haemorrhage* or hemorrhage* or haematoma* or hematoma*)))	3,031
S13	S1 OR S2 OR S3 OR S4 OR S5 OR S6 OR S7 OR S8 OR S9 OR S10 OR S11 OR S12	57,898
S14	(MH "Illusions")	124
S15	(MH "Optical Illusions")	77
S16	TI mirror* OR AB mirror*	2,587
S17	TI (((visual or virtual) N3 (reflect* or illusion* or feedback or therap*))) OR AB (((visual or virtual) N3 (reflect* or illusion* or feedback or therap*)))	867
S18	TI (((upper limb* or upper extremit* or arm or shoulder* or hand* or axilla* or elbow* or forearm* or finger* or wrist*) N3 (reflect* or illusion*))) OR AB (((upper limb* or upper extremit* or arm or shoulder* or hand* or axilla* or elbow* or forearm* or finger* or wrist*) N3 (reflect* or illusion*)))	193
S19	S14 OR S15 OR S16 OR S17 OR S18	3,745
S20	(MH "Systematic Review")	24,770
S21	(MH "Literature Review")	3,531
S22	(MH "Meta Analysis")	17,061
S23	PT systematic review OR PT review OR PT meta analysis	144,579
S24	TI ((metaanalys* or meta analys*)) OR AB ((metaanalys* or meta analys*))	17,093
S25	TI (((systematic* or literature) N2 review*)) OR AB (((systematic* or literature) N2 review*))	59,192
S26	S20 OR S21 OR S22 OR S23 OR S24 OR S25	180,828
S27	S13 AND S19 AND S26	41
S28	S13 AND S19 AND S26 Limiters - Published Date: 20050101-20161231	35



S29	(MH "Randomized Controlled Trials")	25,053
S30	PT Randomized Controlled Trial	30,144
S31	TI (randomi?ed or placebo) OR AB (randomi?ed or placebo)	93,369
S32	S29 OR S30 OR S31	104,013
S33	S13 AND S19 AND S32	67
S34	S13 AND S19 AND S32 Limiters - Published Date: 20050101-20161231	61
S35	S28 OR S34	84

Database: Epistemonikos
Dato: 14.01.2016
Antall treff: 65 SR og 97 primærstudier

(title:(stroke* OR cerebrovasc* OR apoplex* OR poststroke* OR "post-stroke*" OR ischemi* OR ischaemi* OR infarct* OR thrombo* OR emboli* OR cerebr* OR cerebell* OR intracerebral*) OR abstract:(stroke* OR cerebrovasc* OR apoplex* OR poststroke* OR "post-stroke*" OR ischemi* OR ischaemi* OR infarct* OR thrombo* OR emboli* OR cerebr* OR cerebell* OR intracerebral*)) AND (title:(mirror* OR illusion* OR "visual feedback*" OR virtual*) OR abstract:(mirror* OR illusion* OR "visual feedback*" OR virtual*))

Database: UpToDate
Dato: 14.01.2016
Antall treff: Første 30 presentert her. Tilsynelatende kun diagnosen som gir utslag i søket, ikke intervensjonen.
Søk: stroke mirror
cerebrovascular disease mirror

Resultater:

-
- **Blunt cerebrovascular injury: Mechanisms, screening, and diagnostic evaluation**
 - **Secondary prevention for specific causes of ischemic stroke and TIA**
 - **Clinical diagnosis of stroke subtypes**
 - **Cerebrovascular disorders complicating pregnancy**
 - **Screening for asymptomatic carotid artery stenosis**
 - **Etiology, classification, and epidemiology of stroke**
 - **Initial assessment and management of acute stroke**
 - **Neuroimaging of acute ischemic stroke**
 - **Reperfusion therapy for acute ischemic stroke**



- Antihypertensive therapy to prevent recurrent stroke or transient ischemic attack
- Headache, migraine, and stroke
- Differential diagnosis of transient ischemic attack and stroke
- Stroke in patients with atrial fibrillation
- Carotid artery stenting and its complications
- Antiplatelet therapy for secondary prevention of stroke
- Etiology and clinical manifestations of transient ischemic attack
- Ischemic stroke prognosis in adults
- Cerebrovascular complications of sickle cell disease
- Pathophysiology of ischemic stroke
- Use and utility of stroke scales and grading systems

- Overview of the evaluation of stroke
- Overview of secondary prevention of ischemic stroke
- Antithrombotic treatment of acute ischemic stroke and transient ischemic attack
- Stroke in the newborn
- Ischemic stroke in children: Secondary prevention
- Cryptogenic stroke
- Ischemic stroke in children: Evaluation, initial management, and prognosis
- Ischemic stroke in children and young adults: Etiology and clinical features
- Stroke after cardiac catheterization
- Intravenous fibrinolytic (thrombolytic) therapy in acute ischemic stroke: Therapeutic

Database: Best Practice

Dato: 14.01.2016

Antall treff: 10

Søk: mirror AND stroke
"cerebrovascular disease" AND mirror

Resultater:

Diagnosis

[Assessment of memory deficit > Diagnosis> Differential diagnosis](#)

... , hypertension, diabetes, hypercholesterolaemia, cardiac disease, and prior **stroke**),

Diagnosis

[Assessment of memory deficit > Diagnosis> Step-by-step](#)

... the underlying aetiology: Acute symptoms (i.e., within minutes to hours) are suggestive of ischaemic **stroke** ...

Overview



[Assessment of dysphagia > Overview> Aetiology](#)

... dysphagia; **stroke** in this group is the most common cause: **Stroke**: nearly 50% of **stroke** patients ...

Diagnosis

[High altitude related illness > Diagnosis> Differential](#)

... or localising abnormality. Overview of **stroke Cerebrovascular** event Most commonly present with amaurosis ...

Diagnosis

[Assessment of coma > Diagnosis> Step-by-step](#)

... **stroke**, the patient will have severe memory impairment. Duration of unconsciousness
Syncope, seizure ...

Resources

[Complex regional pain syndrome > Resources> References](#)

... of the upper limb in **stroke** patients. Neurorehabil Neural Repair. 2009;23:792-799.
21326041 Rothgangel ...

Diagnosis

[Assessment of hoarseness and dysphonia > Diagnosis> Differential diagnosis](#)

... base) or intubation; possible neurological symptoms of **stroke**, brainstem lesion, or bulbar

Diagnosis

[Alzheimer's dementia > Diagnosis> History & examination](#)

... syndrome, **cerebrovascular disease**, and hyperlipidaemia. memory loss The hallmark
feature of AD ...

Evidence

[Parkinson's disease: fetal or stem cell-derived treatments > Clinical Evidence > Fetal cell or stem cell-derived therapy in Parkinson's disease > Fetal cell therapy versus sham surgery](#)

... , or **cerebrovascular disease**. Human embryonic mesencephalic tissue containing
dopamine neurons was recovered ...

Diagnosis

[Assessment of memory deficit > Diagnosis> Differential diagnosis](#)

... and neck may show intracranial vessel thrombosis and/or **cerebrovascular disease** in
anterior ...

Database: PubMed (ePub ahead of print)

Dato: 14.01.2016

Antall treff: 23 (14 SR og 12 RCT)

(((stroke*[Text Word] OR cerebrovasc*[Text Word] OR apoplex*[Text Word] OR
poststroke*[Text Word] OR "post-stroke"*[Text Word] OR ischemi*[Text Word] OR
ischaemi*[Text Word] OR infarct*[Text Word] OR thrombo*[Text Word] OR emboli*[Text
Word] OR cerebr*[Text Word] OR cerebell*[Text Word] OR intracerebral*[Text Word])) AND
(mirror*[Text Word] OR illusion*[Text Word] OR "visual feedback"*[Text Word] OR
virtual*[Text Word])) AND (review*[Text Word] OR meta[Text Word] OR metaana*[Text
Word] OR random*[Text Word] OR placebo*[Text Word] OR sham*[Text Word])) AND
pubstatusaheadofprint