

AMSTAR vurdering af systematiske oversigtsartikler over ikke-kirurgiske interventioner for patienter med cervical radikulopati

I alt otte systematiske oversigtsartikler blev AMSTAR vurderet. Ingen af disse kunne bidrage til at svare på de fokuserede spørgsmål, men flere havde haft søgestrategier, som ville have fundet evidens for interventioner, hvis der var havde været noget for patienter med cervical radikulopati. For sikre deres kvalitet, primært på søgestrategier og udvælgelse blev de AMSTAR vurderet og indgik til for nogle af de fokuserede spørgsmål til at sætte nedre dato for litteratursøgning.

Som det fremgår af oversigten nedenfor, var de to bedømmere rimeligt enige om kvaliteten af studierne, og de fleste var af god kvalitet.

Følgende studier blev AMSTAR vurderet

1. Thoomes EJ, Scholten-Peeters W, Koes B, Falla D, Verhagen AP: **The effectiveness of conservative treatment for patients with cervical radiculopathy: a systematic review.** *The Clinical journal of pain* 2013, **29**(12):1073-1086.
2. Graham N, Gross A, Goldsmith CH, Klaber Moffett J, Haines T, Burnie SJ, Peloso PMJ: **Mechanical traction for neck pain with or without radiculopathy.** *The Cochrane database of systematic reviews* 2008(3):CD006408.
3. Gross A, Forget M, St George K, Fraser MMH, Graham N, Perry L, Burnie SJ, Goldsmith CH, Haines T, Brunarski D: **Patient education for neck pain.** *The Cochrane database of systematic reviews* 2012, **3**:CD005106.
4. Hurwitz EL, Carragee EJ, Van Der Velde G, Carroll LJ, Nordin M, Guzman J, Peloso PM, Holm LW, Cote P, Hogg-Johnson S *et al*: **Treatment of neck pain: noninvasive interventions: Results of the Bone and Joint Decade 2000-2010 Task Force on Neck Pain and its Associated Disorders.** *Spine* 2008, **33**(4 SUPPL):S123-S152.
5. Kuijper B, Tans JTJ, Schimsheimer RJ, Van Der Kallen BFW, Beelen A, Nollet F, De Visser M: **Degenerative cervical radiculopathy: Diagnosis and conservative treatment. A review.** *European Journal of Neurology* 2009, **16**(1):15-20.
6. Patel KC, Gross A, Graham N, Goldsmith CH, Ezzo J, Morien A, Peloso PMJ: **Massage for mechanical neck disorders.** *Cochrane Database of Systematic Reviews* 2012(9).
7. Southerst D, Nordin M, Cote P, Shearer H, Varatharajan S, Yu H, Wong JJ, Sutton D, Randhawa K, Velde G *et al*: **Is exercise effective for the management of neck pain and associated disorders or whiplash-associated disorders? A systematic review by the Ontario Protocol for Traffic Injury Management (OPTIMA) Collaboration (Provisional abstract).** In.; 2014: epub-epub.
8. Yu H, Cote P, Southerst D, Wong JJ, Varatharajan S, Shearer HM, Gross DP, van der Velde GM, Carroll LJ, Mior SA *et al*: **Does structured patient education improve the recovery and clinical outcomes of patients with neck pain? A systematic review from the Ontario Protocol for Traffic Injury Management (OPTIMA) Collaboration.** *Spine J* 2014.

Observer	Citation	PICO/PIRO no.	PICO/PIRO name	List relevant outcomes	Was meta-analysis performed for the relevant outcomes?	1. Was an 'a priori' design provided?	2. Was there duplicate study selection and data extraction?	3. Was a comprehensive literature search performed?	4. Was the status of publication (i.e. grey literature) used as an inclusion criterion?	5. Was a list of studies (included and excluded) provided?	6. Were the characteristics of the included studies provided?	7. Was the scientific quality of the included studies assessed and documented?	8. Was the scientific quality of the included studies used appropriately in formulating conclusions?	9. Were the methods used to combine the findings of studies appropriate?	10. Was the likelihood of publication bias assessed?	11. Was the conflict of interest included?	Notes
PK JN	Thoomes 2013 Thoomes	4, 5, 6, 9	7 Traction	pain, disability, RTW, GPE, Quality of Life Pain, disability, pain, disability, RTW, GPE, Quality of Life	yes Yes	Yes Yes	Yes No	Yes Yes	No No	Yes No	Yes Yes	Yes No	Yes No	No No	No No	Yes Yes	
PK JN	Graham 2008 [2] Graham 2008	9	Traction 7 Traction	pain, disability, RTW, GPE, Quality of Life Pain, function	yes Yes	Yes Yes	Yes No	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes No	Yes No	No No	Yes No	used for reference and search date
PK	Gross 2012 [3]	8	EDU	pain, function, disability, knowledge transfer, behavioural change	yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Ingen studier fundet for CR, but search is comprehensive Ingen studier med radiculopati, der anføres at der er fundet 0! reviews included and characteristics of studies published elsewhere Konklusion: Der er ingen evidens fra nogen af de undersøgte kombinationer af ikke-invasive interventioner til behandling af nakkesmerter og WAD, der differentieres ikke til nervesdøds påvirkning
BSC	Gross	8	Education	Udstrålende smerter	uspec NS	Yes	Can't answer	Yes	Can't answer	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
PK	Hurwitz 2008 [4] Hurwitz 2008 Treatment of Neck Pain: Noninvasive Interventions	1, 2, 3, 4, 5	Formeligt alle	pain, disability, men ikke for CR ingen specifikt rapporteret for CR	no nej	Yes Yes	Yes Yes	No Yes	No No	Yes Yes	Yes Yes	Yes Yes	Yes Not applicable	Can't answer No	No No	No Yes	
AK	Kuijper 2009 [5]	1,2,3,5	Formeligt alle	pain, funktion, disability, GPE	no	Can't answer	Can't answer	No	No	No	Yes	No	Yes	No	No	No	only one study Kuijper 2009 was included. I believe the search has been extensive enough to cover all about exercise up to their last search date
PK LVH	Patel 2012 [6] Patel 2012	5 5	Message 5 Message	pain, funktion, disability, GPE	no	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Yes Yes	Not applicable Not applicable	No No	No Yes	Yes Yes	
PK	Southerst 2014 [7]	1, 2, 3,		pain, funktion, quality of life adverse events udstrålende smerter, nakkefunktion mv., sygefravær (antal dage), livskvalitet, frafald (status: vigtig), efterfølgende nakkeopereret	no	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	No	
JH	Southerst et al, Spine Journal, In Press	1, 2, 3	Vejledt individualiseret	self-rated and functional recovery, pain, QOL, psych	no	Yes	Yes	No	No	Yes	Yes	Yes	Yes	No	No	No	I am not sure that this review contributes to answering PICO3 This review cannot answer PICO 8 but they have searched the literature sufficiently
PK	Yu 2014 [9]	8	patient education	Udstrålende smerter, nakkefunktion, sygefravær, livskvalitet, frafald, operation	no	Yes	Yes	No	No	Yes	Yes	Yes	Not applicable	No	Yes	Yes	nakkesmerter og WAD, der differentieres ikke til nervesdøds påvirkning
BSC	Yu H	8	Education	operation	uspec NS	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Can't answer	Yes	No	