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Search Strategy:

#	Searches	Results
1	exp vertebroplasty/ or exp kyphoplasty/ or exp cementoplasty/ or (vertebroplast* or kyphoplast* or cementoplast* or PVP or PKP).mp. or (cement* adj3 augment*).mp.	13850
2	((exp Spinal Fractures/ or ((spin* or compress* or vertebral) adj3 fract*).mp.) and (exp Osteoporosis/ or osteopor*.mp.)) or Osteoporotic Fractures/ or (osteopor* adj3 fract*).mp.	22169
3	((randomized controlled trial or controlled clinical trial).pt. or randomized.ab. or randomised.ab. or placebo.ab. or drug therapy.fs. or randomly.ab. or trial.ab. or groups.ab.) not (exp animals/ not humans.sh.)	4148208
4	1 and 2 and 3	845
5	limit 4 to (english or german)	754

1. Fragility **Vertebral Compression Fractures** in Postmenopausal Women: The Role of a **Fracture** Liaison Service Program.

Jackson A; Wasfie T; Brock C; Galovska S; Smalley M; Grundman K; Hella JR.

American Surgeon. 3134820933254, 2020 Jun 24.

[Journal Article]

UI: 32683912

Authors Full Name

Jackson, Avery; Wasfie, Tarik; Brock, Caramarie; Galovska, Stefaniya; Smalley, Melany; Grundman, Kendra; Hella, Jennifer R.



Cite



Embase Session Results (5 Aug 2020)

No.	Query	Results
#8	#3 AND #4 NOT [conference abstract]/lim AND ([english]/lim OR [german]/lim)	737
#7	#3 AND #4 NOT [conference abstract]/lim	879
#6	#3 AND #4 AND [conference abstract]/lim	264
#5	#3 AND #4	1143
#4	('randomized controlled trial'/de OR 'controlled clinical trial'/de OR random*:ti,ab OR 'randomization'/de OR 'intermethod comparison'/de OR placebo:ti,ab OR compare:ti OR compared:ti OR comparison:ti OR ((evaluated:ab OR evaluate:ab OR evaluating:ab OR assessed:ab OR assess:ab) AND (compare:ab OR compared:ab OR comparing:ab OR comparison:ab)) OR ((open NEAR/1 label):ti,ab) OR (((double OR single OR doubly OR singly) NEAR/1 (blind OR blinded OR blindly)):ti,ab) OR 'double blind procedure'/de OR 'parallel group*:ti,ab OR crossover:ti,ab OR 'cross over':ti,ab OR (((assign* OR match OR matched OR allocation) NEAR/5 (alternate OR group* OR intervention* OR patient* OR subject* OR participant\$)):ti,ab) OR assigned:ti,ab OR allocated:ti,ab OR ((controlled NEAR/7 (study OR design OR trial)):ti,ab) OR volunteer:ti,ab OR volunteers:ti,ab OR 'human experiment'/de OR trial:ti) NOT (((random* NEAR/1 sampl* NEAR/7 ('cross section*' OR questionnaire\$ OR survey* OR database\$)):ti,ab) NOT ('comparative study'/de OR 'controlled study'/de OR 'randomized controlled':ti,ab OR 'randomised controlled':ti,ab OR 'randomly assigned':ti,ab) OR ('cross-sectional study'/de NOT ('randomized controlled trial'/de OR 'controlled clinical trial'/de OR 'controlled study'/de OR 'randomized controlled':ti,ab OR 'randomised controlled':ti,ab OR "control group\$":ti,ab)) OR ((case NEAR/1 control*) AND random*)) NOT ('randomized controlled':ti,ab OR 'randomised controlled':ti,ab) OR ('systematic review':ti NOT (trial:ti OR study:ti)) OR (nonrandom*:ti,ab NOT random*:ti,ab) OR 'random field':ti,ab OR (('random cluster' NEAR/3 sampl*):ti,ab) OR (review:ab AND 'review':it NOT trial:ti) OR ('we searched':ab AND (review:ti OR 'review':it)) OR 'update review':ab OR ((databases NEAR/4 searched):ab) OR ((rat:ti OR rats:ti OR mouse:ti OR mice:ti OR swine:ti OR porcine:ti OR murine:ti OR sheep:ti OR lambs:ti OR pigs:ti OR piglets:ti OR rabbit:ti OR rabbits:ti OR cat:ti OR cats:ti OR dog:ti OR dogs:ti OR cattle:ti OR bovine:ti OR monkey:ti OR monkeys:ti OR trout:ti OR marmoset\$:ti) AND 'animal experiment'/de) OR ('animal experiment'/de NOT ('human experiment'/de OR 'human'/de)))	4527424
#3	#1 AND #2	3809
#2	('spine fracture'/exp OR (((spin* OR compress* OR vertebral) NEAR/3 fract*):ti,ab,kw)) AND ('osteoporosis'/exp OR osteopor*:ti,ab,kw) OR ((osteopor* NEAR/3 fract*):ti,ab,kw)	34757
#1	'percutaneous vertebroplasty'/exp OR 'kyphoplasty'/exp OR 'cementoplasty'/exp OR vertebroplast*:ti,ab,kw OR kyphoplast*:ti,ab,kw OR cementoplast*:ti,ab,kw OR pvp:ti,ab,kw OR pkp:ti,ab,kw OR ((cement* NEAR/3 augment*):ti,ab,kw)	20266

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#1

(vertebroplast* OR kyphoplast* OR cementoplast* OR PVP OR PKP):ti,ab,kw OR (cement* NEAR/3 augment*):ti,ab,kw

Limits

1043

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#2

(((((spin* OR compress* OR vertebral) NEAR/3 fract*):ti,ab,kw) AND osteopor*:ti,ab,kw) OR (osteopor* NEAR/3 fract*):ti,ab,kw

Limits

3315

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#1 AND #2

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376

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#4

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⚠ For COVID-19 related studies, please also see the **Cochrane COVID-19 Study Register**

373 Trials matching "#3 - #1 AND #2"

Cochrane Central Register of Controlled Trials

Issue 8 of 12, August 2020

☒ Deselect all (373) Export selected citation(s)

Order by Relevancy

Results per page 25

1 ☒

Cost Effectiveness and Efficacy of Kyphoplasty and Vertebroplasty Trial

NCT00279877

<https://clinicaltrials.gov/show/NCT00279877>, 2006 | added to CENTRAL: 31 January 2020 | 2020 Issue 01

CT.gov

2 ☒

A randomized controlled trial for the vertebral augmentation treatment for the osteoporotic vertebral compression fracture

ChiCTR1900021960

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Set	Results	Save History / Create Alert	Open Saved History	Edit Sets	Combine Sets		Delete Sets
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					Combine		Select All  Delete
# 5	692	#3 AND #2 AND #1 Refined by: LANGUAGES: (ENGLISH OR GERMAN) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years					
# 4	705	#3 AND #2 AND #1 Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years					Edit
# 3	3,064,271	TS=(random* OR rtc OR crossover* OR "cross over" OR factorial* OR placebo* OR volunteer*) OR TS=((singl* OR doubl* OR trebl* OR tripl*) NEAR/25 (blind* OR mask)) OR TS=(clin* NEAR/25 trial*) OR TS=((controlled OR multicenter) NEAR/3 (study OR studies)) OR TI=(trial*) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years					Edit
# 2	25,537	TS((((spin* OR compress* OR vertebral) NEAR/3 fract*)) AND osteopor*) OR TS=(osteopor* NEAR/3 fract*) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years					Edit
# 1	27,021	TS=(vertebroplast* OR kyphoplast* OR cementoplast* OR PVP OR PKP) OR TS=(cement* NEAR/3 augment*) Indexes=SCI-EXPANDED, SSCI, A&HCI, CPCI-S, CPCI-SSH, BKCI-S, BKCI-SSH, ESCI, CCR-EXPANDED, IC Timespan=All years					Edit
					AND	OR	Select All
					Combine		 Delete

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ALL("Cognitive architectures") AND AUTHOR-NAME(smith)
TITLE-ABS-KEY(*somatic complaint wom?n) AND PUBYEAR AFT 1993
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Conferences ☐
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Editors ☐
Funding ☐

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- Publication ☐
- References ☐
- Subject Areas ☐

Search history

Combine queries...

e.g. #1 AND NOT #3



6 (TITLE-ABS-KEY (vertebroplast* OR kyphoplast* OR cementoplast* OR pvp OR
pkp) OR TITLE-ABS-KEY (cement* W/3 augment*)) AND (TITLE-ABS-
KEY ((((spin* OR compress* OR vertebral) W/3 fract*)) AND osteopor*) OR
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EXCLUDE (DOCTYPE , "ch"))

1,080 document results



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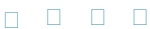
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TITLE-ABS-KEY (osteopor* W/3 fract*)) AND (TITLE-ABS-KEY (random* OR rtc OR
crossover* OR "cross over" OR factorial* OR placebo* OR volunteer*) OR TITLE-

1,315 document results



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W/3 (study OR studies)) OR TITLE (trial*)

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3 TITLE-ABS-KEY (random* OR rtc OR crossover* OR "cross over" OR factorial* OR
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9,505,030 document results



2 TITLE-ABS-KEY ((((spin* OR compress* OR vertebral) W/3 fract*)) AND
osteopor*) OR TITLE-ABS-KEY (osteopor* W/3 fract*)

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1 TITLE-ABS-KEY (vertebroplast* OR kyphoplast* OR cementoplast* OR pvp OR
pkp) OR TITLE-ABS-KEY (cement* W/3 augment*)

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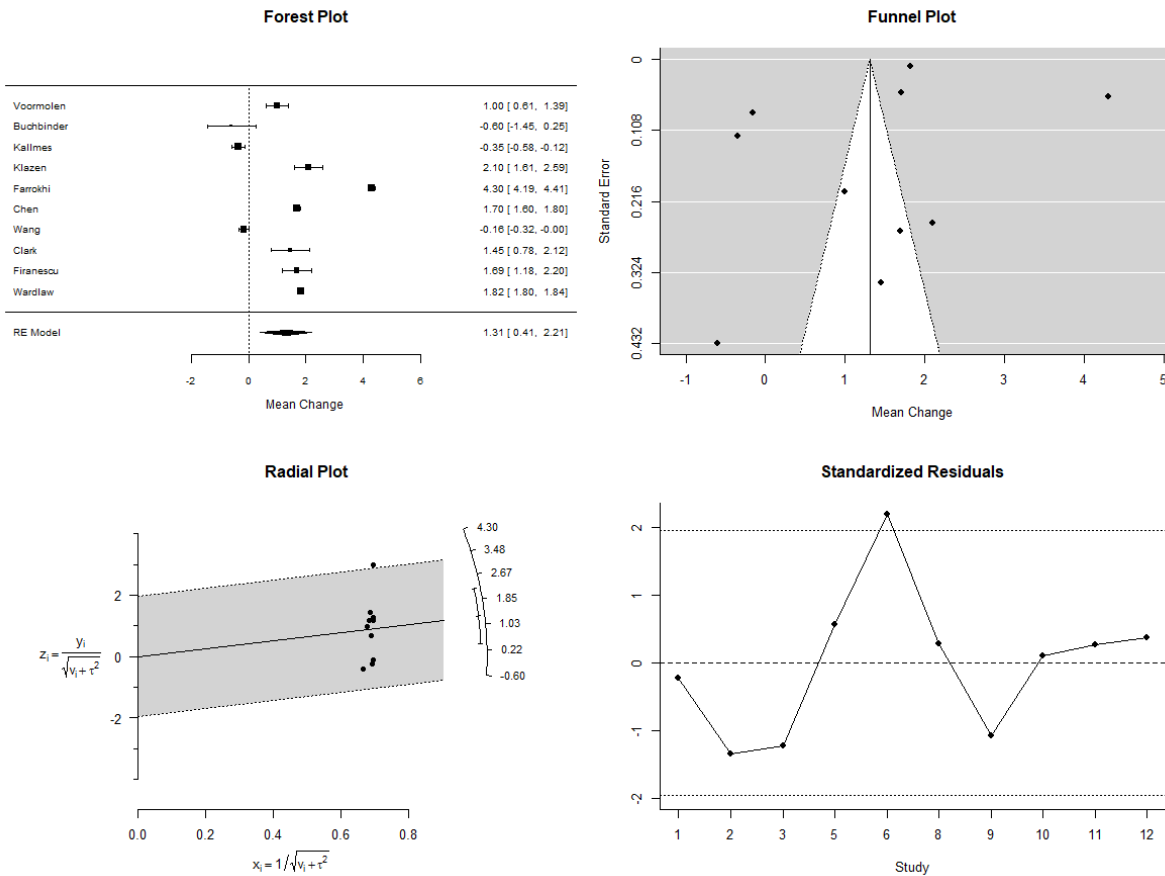
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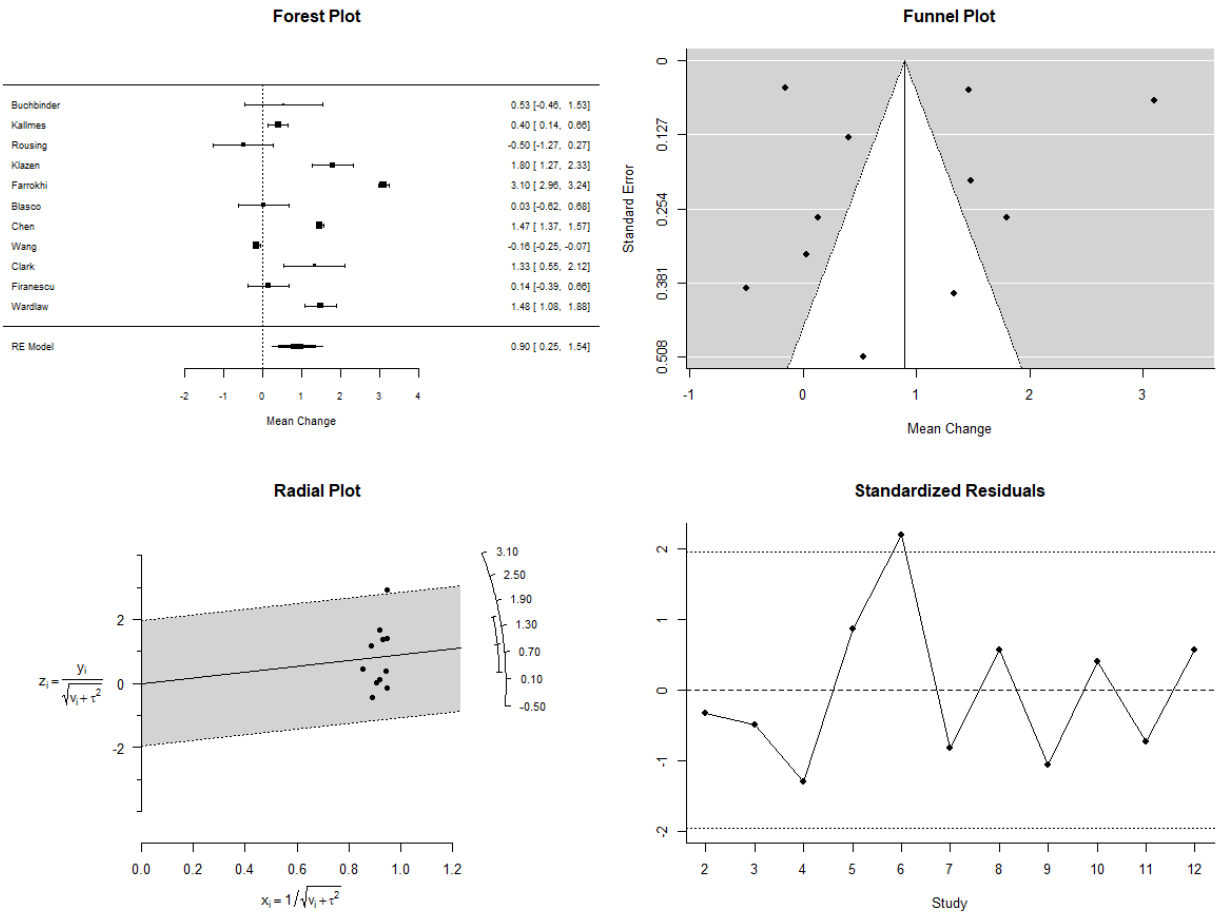


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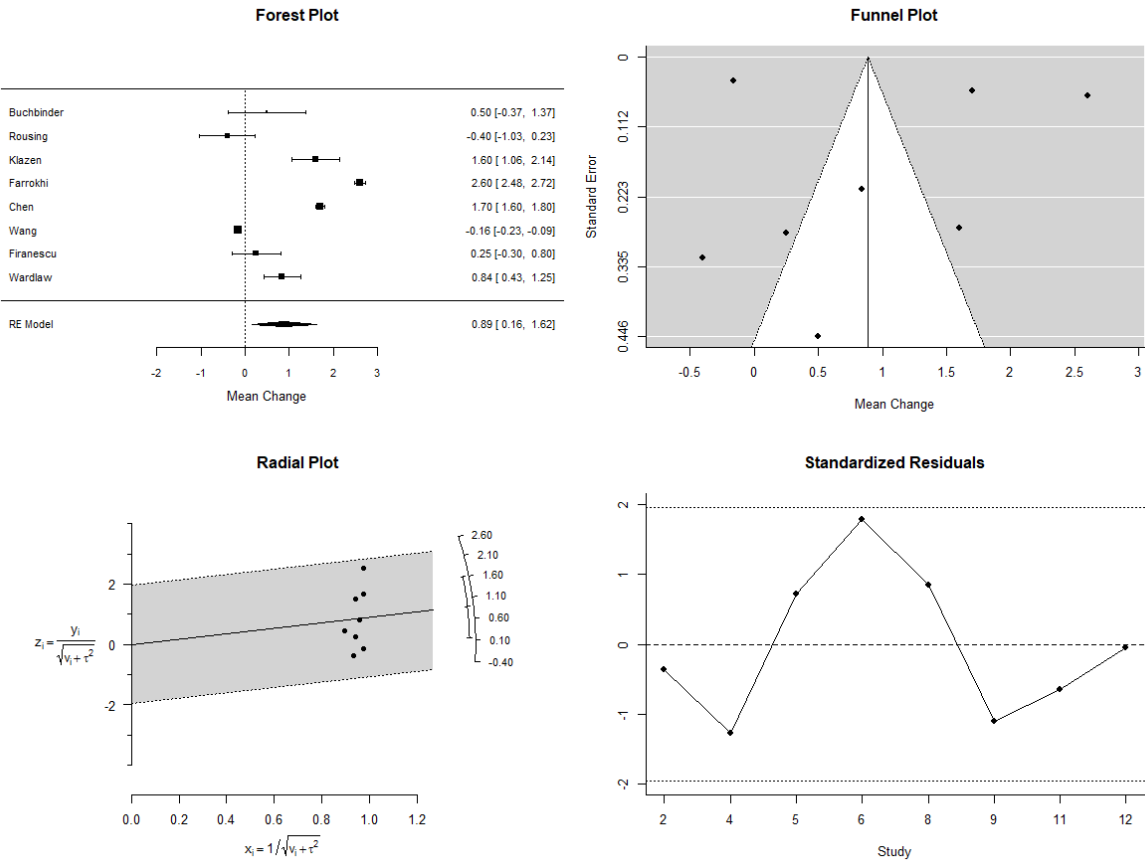
Short-term effect of treatment strategy on VAS: VP/KP versus NOM



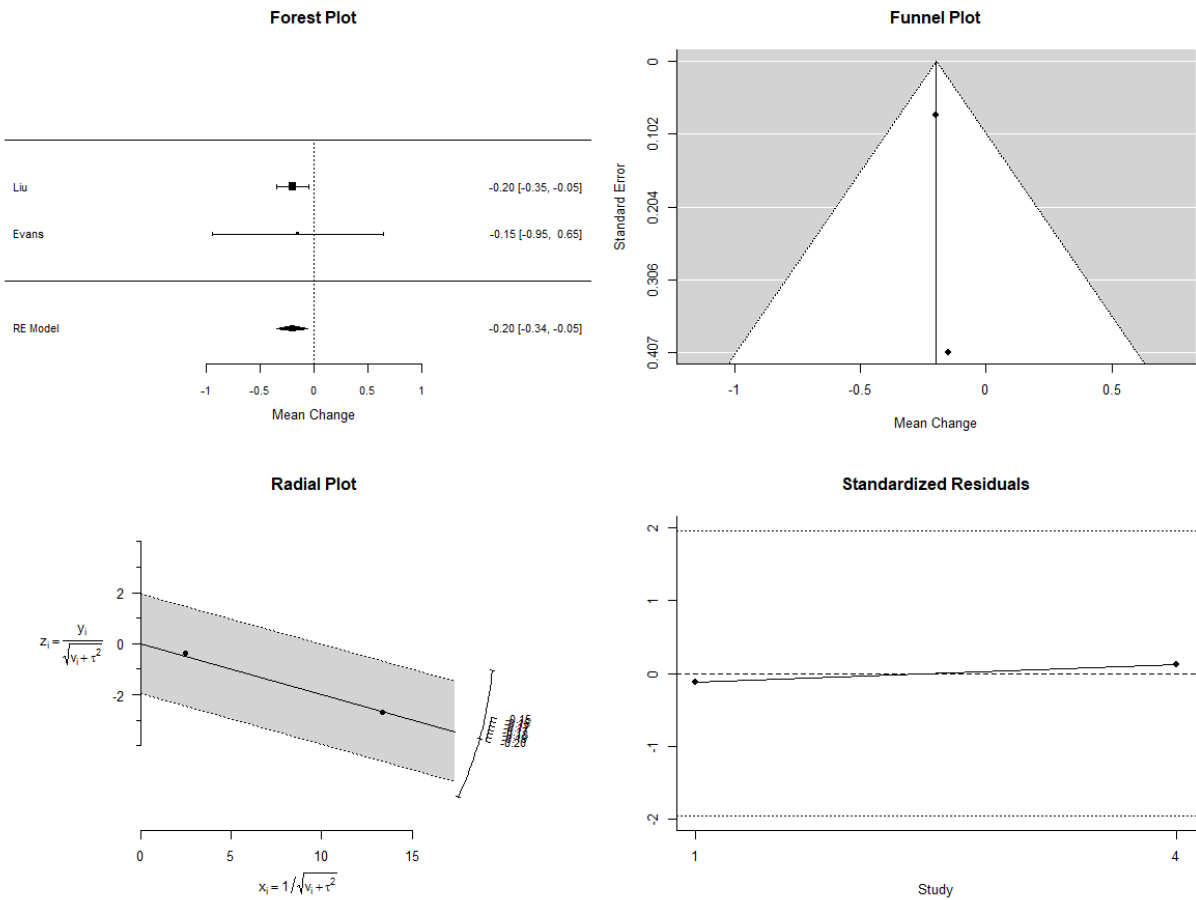
Mid-term effect of treatment strategy on VAS: VP/KP versus NOM



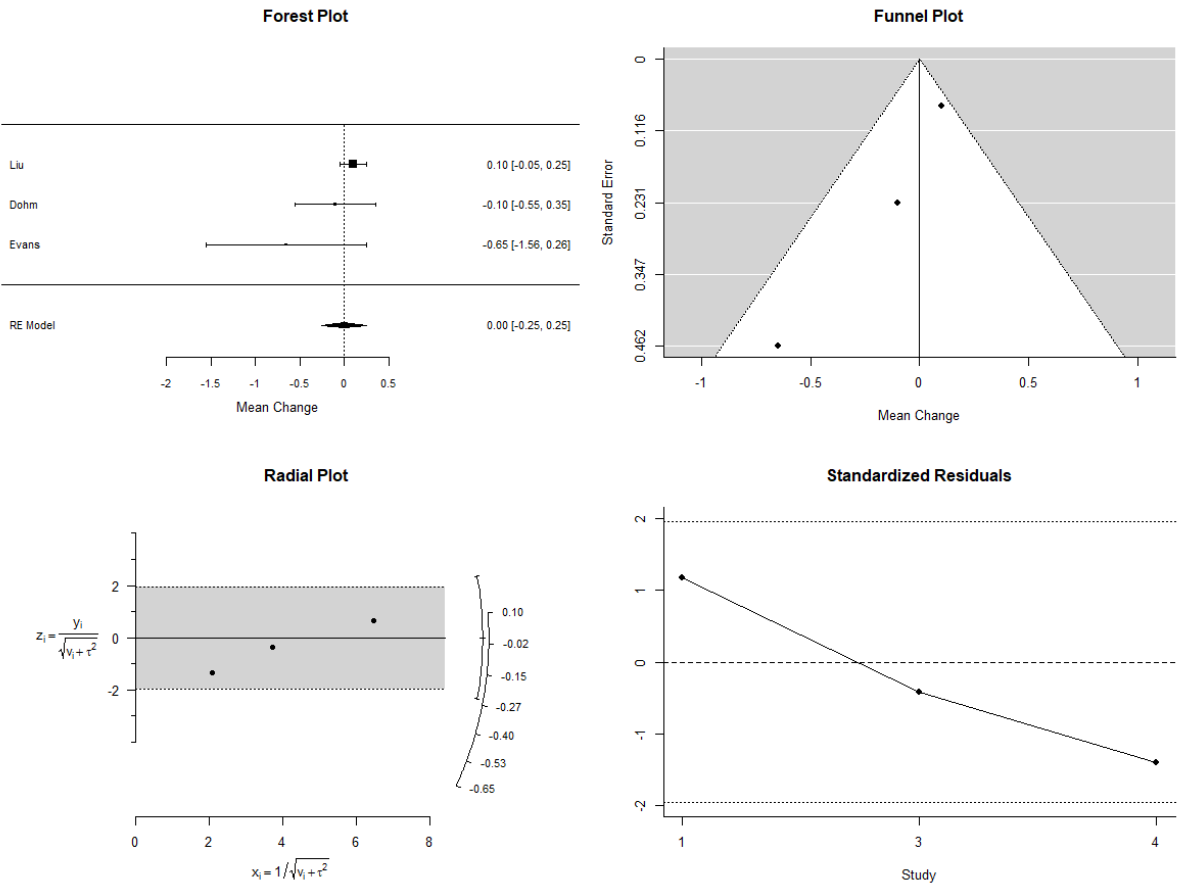
Long-term effect of treatment strategy on VAS: VP/KP versus NOM



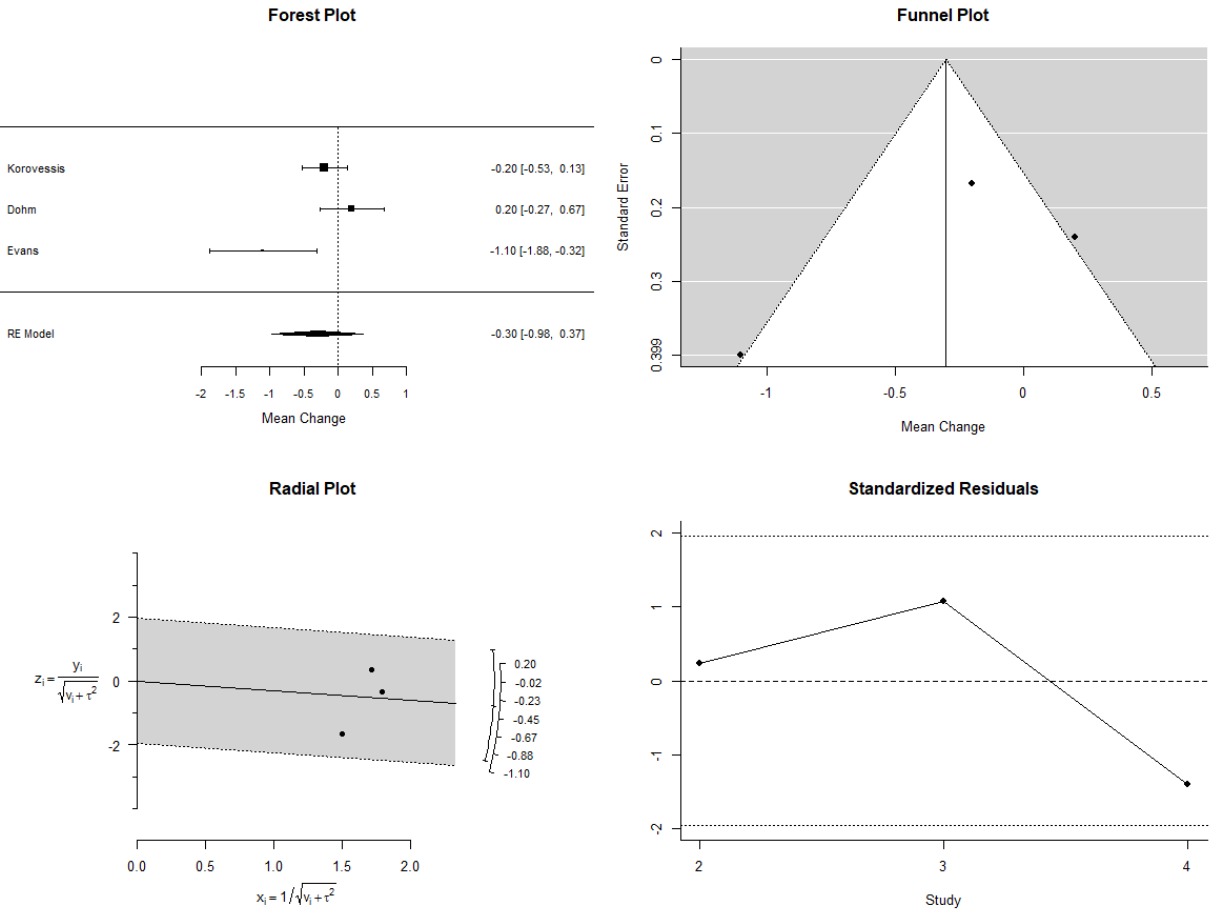
Short-term effect of treatment strategy on VAS: KP versus VP



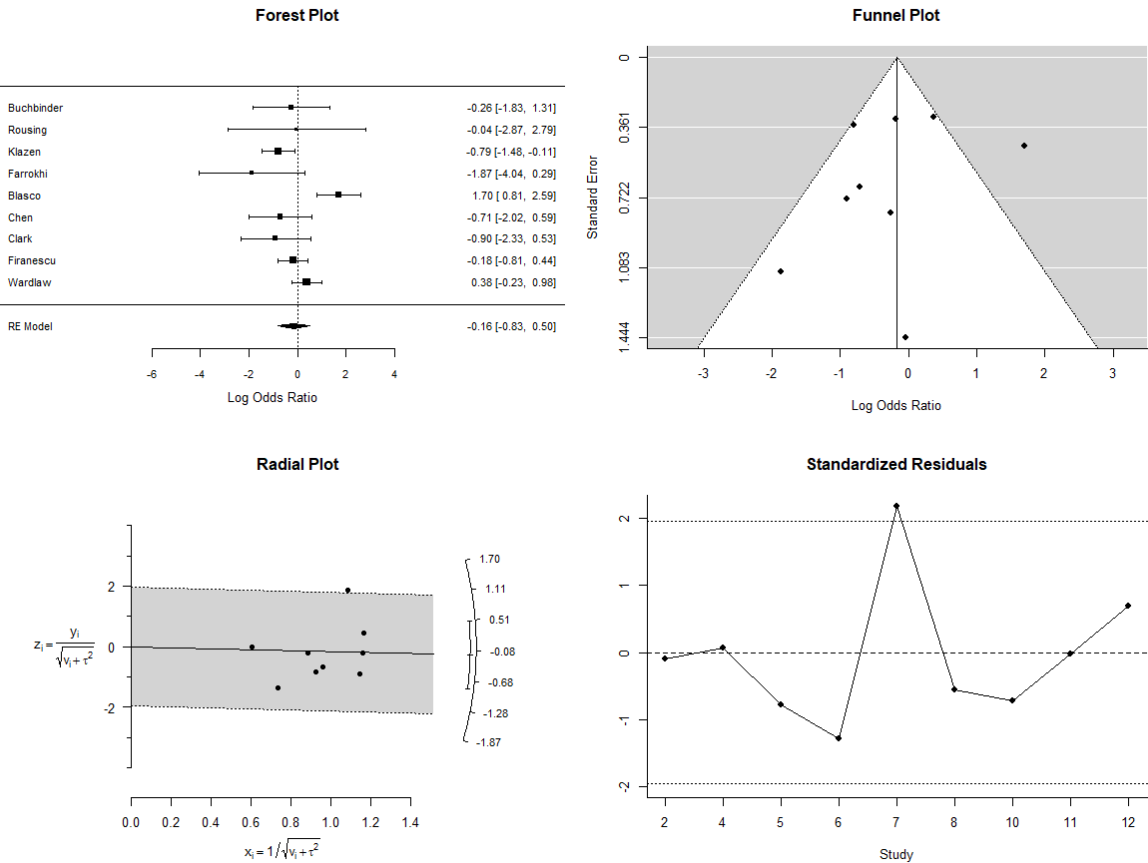
Mid-term effect of treatment strategy on VAS: KP versus VP



Long-term effect of treatment strategy on VAS: KP versus VP



Risk for adjacent fractures VP/KP versus NOM



Author	DXA Group Intervention	DXA Group Control	Pain Medication type duration control	Compliance control	Osteoporotic medication: type, duration, treatment	After care	Main Conclusion
Buchbinder	Not reported	Not reported	Analgesia was given according to standard practice, and its use was recorded	Not reported	80% in placebo and 82% in intervention took bisphosphonates prior the study (no report on ongoing medication)	Usual care at the discretion of the treating physician, who received up-to-date guidelines on the management of osteoporosis	Comparable in pain improvement and quality of life
Chen	3.02 (0.8)	3.0 (0.44)	Not further reported	Not reported	Patients were offered diphosphonate. Not further specified	Patients were offered brace treatment, analgesia, general mobilizing physiotherapy, and osteoporotic medication treatment including vitamin D and diphosphonate	VAS improved more in Group Int when compared with Group Cont
Blasco	2.48 (1.77)	2.8 (1.32)	Therapy consisted of analgesics with a standardized format and nasal calcitonin. We offered rescue therapy by intrathecal infusion (fentanyl and bupivacain) when treatment was ineffective	Not reported	After one month of treatment, both groups began and/or continued treatment with bisphosphonates, respectively according to the attending physician	Bisphosphonates, pain medication according attending physician	Faster pain relief with vertebroplasty
Wang	3.06 (0.38)	3.03 (0.41)	Not reported	Not reported	Not reported	To aid ambulation, the patient wore a brace to aid ambulation for 3 months after receiving the procedure (Group Control)	Improved pain relief following vertebroplasty
Clark	4.1 (1.1)	4.5 (0.9)	Not reported	Not reported	49% in Intervention and 36% of patients in Group Control took bisphosphonates prior the study	After the procedure, participants received the usual medical care directed by their attending physicians	Vertebroplasty superior to placebo for pain reduction
Farrokhi	Not reported	Not reported	250mg acetaminophen with codeine twice daily, 400mg ibuprofen twice a day	Not reported	1000mg calcium daily, 400 IU vitamin D daily, 70mg alendronate orally once weekly, and 200 IU calcitonin daily	The physician could increase them [dosage of medication] to achieve an optimum dose. Change in lifestyle and physical treatment was also suggested to patients in both groups.	Group Intervention improve pain relief
Firanesco	2.4 (1.0)	2.4 (0.9)	Not further reported	Not reported	Drugs for osteoporosis were prescribed according to the standard protocol of the participating institutions for patients with osteoporotic vertebral fractures	Participants were advised to restart daily activities after discharge	Intervention and control comparable
Kallmes	Not reported	Not reported	Not reported	Not reported	Not reported	All subjects will be given the same instructions regarding the bandages applied to the injection/incision site and will be instructed to notify the physician with any problems	Group intervention with modest pain relief
Klazen	3.0 (1.17)	3.0 (1.05)	Not further reported	Not reported	All patients are put on osteoporosis medication, such as bisphosphonates together with supplemental calcium and vitamin D	Corrections in dose and classification of pain medication are made if necessary by the internist. In most cases physiotherapy is prescribed. All patients receive osteoporosis medication, such as bisphosphonates together with supplemental calcium and vitamin D.	Greater pain relief after vertebroplasty
Rousing	Not reported	Not reported	Not further reported	Not reported	Not reported	Both groups were offered pain medication and physiotherapy if necessary until discharge. Additionally patients in the conservative group were offered brace treatment	Vertebroplasty as good treatment for some patients
Voormolen	Not reported	Not reported	The pain medication was optimized according to the individual need of patients. [...]. Corrections were made on a daily basis by the endocrinologists on an as-needed basis.	Not reported	Not reported	According patients need	pain relief better in Intervention