

ALMA MATER STUDIORUM – UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO DI SCIENZE BIOMEDICHE E NEUROMOTORIE

Corso di Laurea in Fisioterapia

ALLEGATI DELLA TESI

Gli effetti della terapia manuale del rachide toracico sulla funzionalità degli organi intra-toracici, sub-diaframmatici e pelvici: A Systematic Review and Meta-analysis

Tesi di Laurea in Fisioterapia Speciale

Presentata da:

Francesco Bergonzoni

Relatore:

Chiar.mo Prof.

Giovanni Villani

I Sessione: 28 novembre 2025

Anno Accademico: 2024/2025

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ALLEGATI

Allegato 1: stringhe di ricerca

1 Pubmed

29-3-2025

1	((Chiropractic[MH] OR Musculoskeletal Manipulations[MH] OR Chiropract*[tiab] OR (Soft Tissue[tiab] and (technique*[tiab] or treatment[tiab] OR manipul*[tiab] OR mobilisation*[tiab]))) OR	43,549
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	Manipulative[tiab] OR Craniosacral[tiab] OR “Manual Therap*”[tiab] OR Myofascial*[tiab] OR “Trigger Point*”[tiab] OR Massage[MH] OR Muscle Relaxation[MH] OR Traction[MH] OR Manipulation*[tiab] OR “Manual Intervention*”[tiab] OR Massage[tiab] OR Mobilization*[tiab] OR Motor Control*[tiab] OR “Muscle Relaxation”[tiab] OR Osteopath*[tiab] OR “Physical Therapy”[tiab] OR Physiotherapy[tiab] OR Postural[tiab] OR Reflexology[tiab] OR Stabilization[tiab] OR Stretching[tiab] OR Traction[tiab] or touch[tiab]) NOT (animals[MH] NOT humans[MH])) and (spine[tiab] OR "Thoracic Vertebrae"[Mesh] OR dorsal[tiab] OR Thoracic[tiab] OR Thorac*[tiab] OR back[tiab] OR Vertebrogenic OR Back Pain[mh] OR Backache*[tiab] or dorsalgia)	
2	"Viscera"[Mesh] or "Urogenital System"[Mesh] or Kidney[tiab] or Bladder[tiab] or "Cardiovascular System"[Mesh] or Heart[tiab] or HRV[tiab] or "Digestive System"[Mesh] or Intestin* [tiab] or Duodenum[tiab] or Esophag*[tiab] or Stomach[tiab] or liver[tiab] or pancreas[tiab] or "Respiratory System"[Mesh] or lung[tiab] or organ[Title/Abstract] or subdiaphragmatic[Title/Abstract] OR intrathoracic[Title/Abstract] or pelvic[Title/Abstract]	7,005,948
3	((clinical[Title/Abstract] AND trial[Title/Abstract]) OR clinical trials as topic[MeSH Terms] OR clinical trial[Publication Type] OR random*[Title/Abstract] OR random allocation[MeSH Terms] OR therapeutic use[MeSH Subheading])	6,751,670
4	#1 AND #2 and # 3	1,869

2 Cochrane Library

Search Name: DP visc x lavoro 29-3-25

Date Run: 29/03/2025 16:44:08

Comment:

ID Search Hits

#1 MeSH descriptor: [Chiropractic] explode all trees 201

#2 MeSH descriptor: [Musculoskeletal Manipulations] this term only 735

#3 (Chiropract*):ti,ab,kw 1389

#4 (Soft Tissue):ti,ab,kw 11888

#5 (technique*):ti,ab,kw 130888

#6 (treatment):ti,ab,kw 994288

#7 (manipul*):ti,ab,kw 16352

#8 (mobilisation*):ti,ab,kw 1966

#9 #5 or #6 or #7 or #8 1076723

#10 #4 and #9 8199

#11 (Manipulative):ti,ab,kw 2178

#12 (Craniosacral):ti,ab,kw 92

#13 (Manual Therap*):ti,ab,kw 14105

#14 (Myofascial*):ti,ab,kw 4131

#15 (Trigger Point*):ti,ab,kw 2929

#16 MeSH descriptor: [Massage] this term only 1626

#17 MeSH descriptor: [Muscle Relaxation] this term only 562

#18 (Manipulation*):ti,ab,kw 11745

#19 (Manual Intervention*):ti,ab,kw 12846

#20 (Massage):ti,ab,kw 8282

#21 (Mobilization*):ti,ab,kw 10689

#22 (Motor Control*):ti,ab,kw 41882

#23 ("Muscle Relaxation"):ti,ab,kw 4156

#24 (Osteopath*):ti,ab,kw 1196

#25 ("Physical Therapy"):ti,ab,kw 14656

#26 (Physiotherapy):ti,ab,kw 18818

#27 (Postural):ti,ab,kw 11925

#28 (Reflexology):ti,ab,kw 797

#29 (Stabilization):ti,ab,kw 9086

#30 (Stretching):ti,ab,kw 9535

#31 (Traction):ti,ab,kw 2967

#32 (touch):ti,ab,kw 5664

#33 #1 or #2 or #3 or #10 or #11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32
148228

#34 (spine):ti,ab,kw 21230
 #35 MeSH descriptor: [Thoracic Vertebrae] explode all trees 672
 #36 (dorsal):ti,ab,kw 5165
 #37 ("thoracic"):ti,ab,kw 19600
 #38 (thorac*):ti,ab,kw 24692
 #39 (back):ti,ab,kw 38477
 #40 Vertebrogenic 42
 #41 MeSH descriptor: [Back Pain] explode all trees 7710
 #42 ("backache"):ti,ab,kw 4548
 #43 dorsalgia 211
 #44 #34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 83505
 #45 #33 and #44 17738
 #46 MeSH descriptor: [Viscera] explode all trees 128
 #47 MeSH descriptor: [Urogenital System] explode all trees 18118
 #48 (kindey):ti,ab,kw 27
 #49 (bladder):ti,ab,kw 18939
 #50 MeSH descriptor: [Cardiovascular System] explode all trees 28014
 #51 (Heart):ti,ab,kw 189626
 #52 (HRV):ti,ab,kw 3795
 #53 MeSH descriptor: [Digestive System] explode all trees 23013
 #54 (Intestin*):ti,ab,kw 33857
 #55 ("duodenum"):ti,ab,kw 3403
 #56 (Esophag*):ti,ab,kw 19715
 #57 (Stomach):ti,ab,kw 23271
 #58 (liver):ti,ab,kw 68593
 #59 (pancreas):ti,ab,kw 9316
 #60 MeSH descriptor: [Respiratory System] explode all trees 13048
 #61 (lung):ti,ab,kw 92182
 #62 (organ*):ti,ab,kw 107675
 #63 (subdiaphragmatic):ti,ab,kw 115
 #64 (intrathoracic):ti,ab,kw 886
 #65 (pelvic):ti,ab,kw 18954
 #66 #46 or #47 or #48 or #49 #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58
 or #59 or #60 or #61 or #62 or #63 or #64 or #65 513438

#67 #45 and #66 3614

3557 trials

1 cochrane protocol

3 Web of Science

29/03/2025

1	((ALL=Chiropractic OR ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*) OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*)))) OR (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR (TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND((TI=spine OR AB=spine or TI= back OR AB=back or TI=dorsal or AB=dorsal OR TI=Thoracic OR AB= Thoracic OR TI= Thorac* OR AB= Thorac* OR TS=thorac* spine or TS=dorsal spine or TS=Vertebrogenic OR TS=dorsalgia OR TS=back pain or TS=dorsal pain or TS=thoracic pain)) ((ALL=Chiropractic OR ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*) OR ((TI="Soft Tissue" OR AB="Soft	53 ,5 05
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Tissue") AND ((TI=technique* OR AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*))) OR (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR (TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR AB=pelvis) OR (TI=sacr* OR AB=sacr*)) ((ALL=Chiropractic OR ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*) OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*))) OR (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR (TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation")

OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR AB=pelvis) OR (TI=sacr* OR AB=sacr*))((ALL=Chiropractic OR ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*) OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*)))) OR (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR (TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR AB=pelvis) OR (TI=sacr* OR AB=sacr*))((ALL=Chiropractic OR

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 OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR
 AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR
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 OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR
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 AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR
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 (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR
 AB=pelvis) OR (TI=sacr* OR AB=sacr*))((ALL=Chiropractic OR
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 (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle"
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 ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR
 AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR

(TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR
 (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR
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 ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*)
 OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR
 AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR
 AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*))) OR
 (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR
 AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR
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 (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR
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 (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR
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 (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR
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 (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR
 ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR
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 AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR
 (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR
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 (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR
 (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization)
 OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR
 (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND
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 (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR
 (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR
 AB=pelvis) OR (TI=sacr* OR AB=sacr*))((ALL=Chiropractic OR
 ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*)
 OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR
 AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR
 AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*)))) OR
 (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR
 AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR

(TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR AB=pelvis) OR (TI=sacr* OR AB=sacr*))((ALL=Chiropractic OR ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*) OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*)))) OR (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR (TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR

	((TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR AB=pelvis) OR (TI=sacr* OR AB=sacr*))Inizio modulo ((ALL=Chiropractic OR ALL="Musculoskeletal Manipulations" OR (TI=Chiropract* OR AB=Chiropract*)) OR ((TI="Soft Tissue" OR AB="Soft Tissue") AND ((TI=technique* OR AB=technique*) OR (TI=treatment OR AB=treatment) OR (TI=manipul* OR AB=manipul*) OR (TI=mobilisation* OR AB=mobilisation*)))) OR (TI=Manipulative OR AB=Manipulative) OR (TI=Craniosacral OR AB=Craniosacral) OR (TI="Manual Therap*" OR AB="Manual Therap*") OR (TI=Myofascial* OR AB=Myofascial*) OR (TI="Trigger Point*" OR AB="Trigger Point*") OR ALL=Massage OR ALL="Muscle Relaxation" OR ALL=Traction OR (TI=Manipulation* OR AB=Manipulation*) OR (TI="Manual Intervention*" OR AB="Manual Intervention*") OR (TI=Massage OR AB=Massage) OR (TI=Mobilization* OR AB=Mobilization*) OR (TI="Motor Control*" OR AB="Motor Control*") OR (TI="Muscle Relaxation" OR AB="Muscle Relaxation") OR (TI=Osteopath* OR AB=Osteopath*) OR (TI="Physical Therapy" OR AB="Physical Therapy") OR (TI=Physiotherapy OR AB=Physiotherapy) OR (TI=Postural OR AB=Postural) OR (TI=Reflexology OR AB=Reflexology) OR (TI=Stabilization OR AB=Stabilization) OR (TI=Stretching OR AB=Stretching) OR (TI=Traction OR AB=Traction) OR (TI=touch OR AB=touch)) NOT (ALL=animals NOT ALL=humans)) AND ((TI="low* back" OR AB="low* back") OR (TI=Vertebrogenic OR AB=Vertebrogenic) OR (TI=spine OR AB=spine) OR (TI=beck OR AB=beck) OR (TI=lumbar OR AB=lumbar) OR (TI="Pelvic Girdle" OR AB="Pelvic Girdle") OR (TI=groin OR AB=groin) OR (TI=Pubis OR AB=Pubis) OR (TI=pelvis OR AB=pelvis) OR (TI=sacr* OR AB=sacr*))Fine modulo	
2	TS=(Viscera OR "Urogenital System" OR "Cardiovascular System" OR "Digestive System" OR "Respiratory System") OR TI=organ* OR AB=organ* or TI=subdiaphragmatic OR AB=subdiaphragmatic OR TI=intrathoracic OR AB=intrathoracic OR TI=pelvic OR AB=pelvic or TI=Heart or AB=Heart or	7, 50 4,

	TI=HRV or AB=HRV or TI= Intestin* or AB= Intestin* or TI= Duodenum or AB=Duodenum or TI=Esophag* or AB= Esophag* or TI= Stomach or AB= Stomach or TI=liver or AB=liver or TI=pancreas or AB=pancreas or TI=lung or AB=lung or TI=kindney or AB=kindney or TI=bladder or AB=bladder	68 1
3	TI=("Randomized controlled trial*" or "Controlled clinical trial*" or Randomly or Randomized or Trial* or Group*)	1, 20 8, 11 9
4	AB=("Randomized controlled trial*" or "Controlled clinical trial*" or Randomly or Randomized or Trial* or Group*)	7, 91 8, 51 7
5	AK=("Randomized controlled trial*" or "Controlled clinical trial*" or Randomly or Randomized or Trial* or Group*)	40 7, 72 5
6	#3 or #4 or #5	8, 44 5, 63 7
7	#1 AND #2 and #6	2, 05 7

4 Chinal

29/03/2025

1	((MH Chiropractic+) OR (MH "Musculoskeletal Manipulations+") OR (TI Chiropract* OR AB Chiropract*) OR ((TI "Soft Tissue" OR AB "Soft	17 .3 27
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	Tissue") AND ((TI technique* OR AB technique*) OR (TI treatment OR AB treatment) OR (TI manipul* OR AB manipul*) OR (TI mobilisation* OR AB mobilisation*)) OR (TI Manipulative OR AB Manipulative) OR (TI Craniosacral OR AB Craniosacral) OR (TI "Manual Therap*" OR AB "Manual Therap*") OR (TI Myofascial* OR AB Myofascial*) OR (TI "Trigger Point*" OR AB "Trigger Point*") OR (MH Massage+) OR (MH "Muscle Relaxation+") OR (MH Traction+) OR (TI Manipulation* OR AB Manipulation*) OR (TI "Manual Intervention*" OR AB "Manual Intervention*") OR (TI Massage OR AB Massage) OR (TI Mobilization* OR AB Mobilization*) OR (TI "Motor Control*" OR AB "Motor Control*") OR (TI "Muscle Relaxation" OR AB "Muscle Relaxation") OR (TI Osteopath* OR AB Osteopath*) OR (TI "Physical Therapy" OR AB "Physical Therapy") OR (TI Physiotherapy OR AB Physiotherapy) OR (TI Postural OR AB Postural) OR (TI Reflexology OR AB Reflexology) OR (TI Stabilization OR AB Stabilization) OR (TI Stretching OR AB Stretching) OR (TI Traction OR AB Traction) OR (TI touch OR AB touch)) NOT ((MH animals+) NOT (MH humans+))) AND ((TI spine OR AB spine) OR (MH "Thoracic Vertebrae+") OR (TI dorsal OR AB dorsal) OR (TI Thoracic OR AB Thoracic) OR (TI Thorac* OR AB Thorac*) OR (TI back OR AB back) OR Vertebrogenic OR (MH "Back Pain+") OR (TI "Backache*or dorsalgia" OR AB "Backache*or dorsalgia"))	
2	(MH Viscera+) OR (MH "Urogenital System+") OR (TI Kidney OR AB Kidney) OR (TI Bladder OR AB Bladder) OR (MH "Cardiovascular System+") OR (TI Heart OR AB Heart) OR (TI HRV OR AB HRV) OR (MH "Digestive System+") OR (TI Intestin* OR AB Intestin*) OR (TI Duodenum OR AB Duodenum) OR (TI Esophag* OR AB Esophag*) OR (TI Stomach OR AB Stomach) OR (TI liver OR AB liver) OR (TI pancreas OR AB pancreas) OR (MH "Respiratory System+") OR (TI lung OR AB lung) OR (TI organ OR AB organ) OR (TI subdiaphragmatic OR AB subdiaphragmatic) OR (TI intrathoracic OR AB intrathoracic) OR (TI pelvic OR AB pelvic)	93 6. 01 4

3	(((TI clinical OR AB clinical) AND (TI trial OR AB trial)) OR (MH "clinical trials as topic+") OR (PT "clinical trial") OR (TI random* OR AB random*) OR (MH "random allocation+") OR (MW "therapeutic use"))	1. 11 2. 41 1
4	S1 and S2 AND S3	43 0 - 2 st ud i no n sc ari ca bil i Q ui nd i 42 8

5 Scopus

29/03/2025

1	((INDEXTERMS (chiropractic) OR INDEXTERMS ("Musculoskeletal Manipulations") OR TITLE-ABS (chiropract*) OR (TITLE-ABS ("Soft	73,768
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	Tissue") AND (TITLE-ABS (technique*) OR TITLE-ABS (treatment) OR TITLE-ABS (manipul*) OR TITLE-ABS (mobilisation*))) OR TITLE-ABS (manipulative) OR TITLE-ABS (craniosacral) OR TITLE-ABS ("Manual Therap*") OR TITLE-ABS (myofascial*) OR TITLE-ABS ("Trigger Point*") OR INDEXTERMS (massage) OR INDEXTERMS ("Muscle Relaxation") OR INDEXTERMS (traction) OR TITLE-ABS (manipulation*) OR TITLE-ABS ("Manual Intervention*") OR TITLE-ABS (massage) OR TITLE-ABS (mobilization*) OR TITLE-ABS ("Motor Control*") OR TITLE-ABS ("Muscle Relaxation") OR TITLE-ABS (osteopath*) OR TITLE-ABS ("Physical Therapy") OR TITLE-ABS (physiotherapy) OR TITLE-ABS (postural) OR TITLE-ABS (reflexology) OR TITLE-ABS (stabilization) OR TITLE-ABS (stretching) OR TITLE-ABS (traction) OR TITLE-ABS (touch)) AND NOT (INDEXTERMS (animals) not INDEXTERMS (humans))) AND (TITLE-ABS (spine) OR INDEXTERMS ("Thoracic Vertebrae") OR TITLE-ABS (dorsal) OR TITLE-ABS (thoracic) OR TITLE-ABS (thorac*) OR TITLE-ABS (back) OR vertebrogenic OR INDEXTERMS ("Back Pain") OR TITLE-ABS ("Backache*or dorsalgia"))	
2	INDEXTERMS (viscera) OR INDEXTERMS ("Urogenital System") OR TITLE-ABS (kidney) OR TITLE-ABS (bladder) OR INDEXTERMS ("Cardiovascular System") OR TITLE-ABS (heart) OR TITLE-ABS (hrv) OR INDEXTERMS ("Digestive System") OR TITLE-ABS (intestin*) OR TITLE-ABS (duodenum) OR TITLE-ABS (esophag*) OR TITLE-ABS (stomach) OR TITLE-ABS (liver) OR TITLE-ABS (pancreas) OR INDEXTERMS ("Respiratory System") OR TITLE-ABS (lung) OR TITLE-ABS (organ) OR TITLE-ABS (subdiaphragmatic) OR TITLE-ABS (intrathoracic) OR TITLE-ABS (pelvic)	6,068,316
3	((TITLE-ABS (clinical) AND TITLE-ABS (trial)) OR INDEXTERMS ("clinical trials as topic") OR DOCTYPE ("clinical trial") OR TITLE-ABS	3,712,047

	(random*) OR INDEXTERMS ("random allocation") OR INDEXTERMS ("therapeutic use"))	
4	#1 AND #2 and # 3	934

6 Clinical trial.gov

Condition/disease: /

Other terms: Thoracic Spine

Intervention/treatment: Manual Therapy

Tot 133

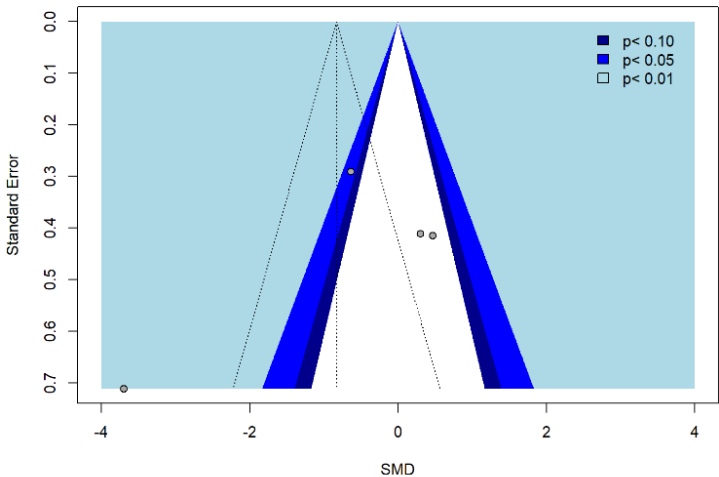
Stringhe lanciate in 29-3-2025

Tot 8979

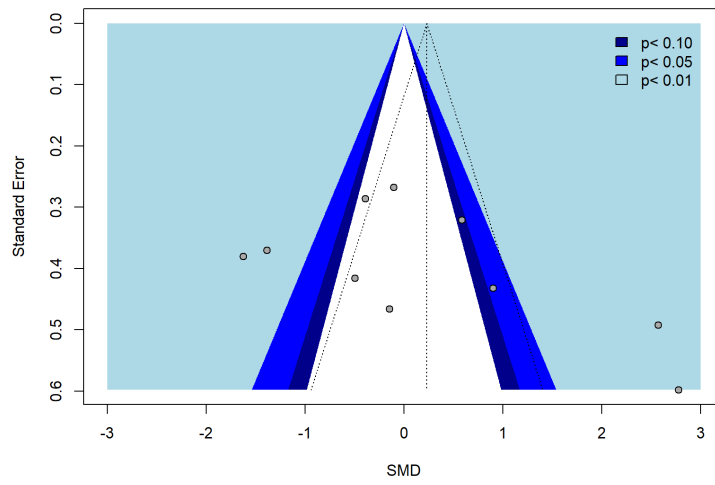
Allegato 2: Funnel plot

Capitolo 3 paragrafo 3.4

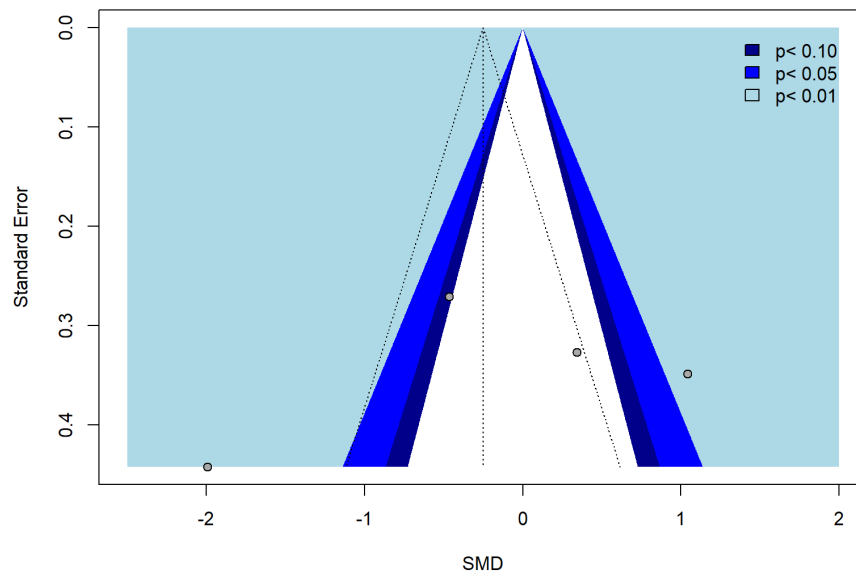
3.4.1 Diastolic blood pressure (DBP)



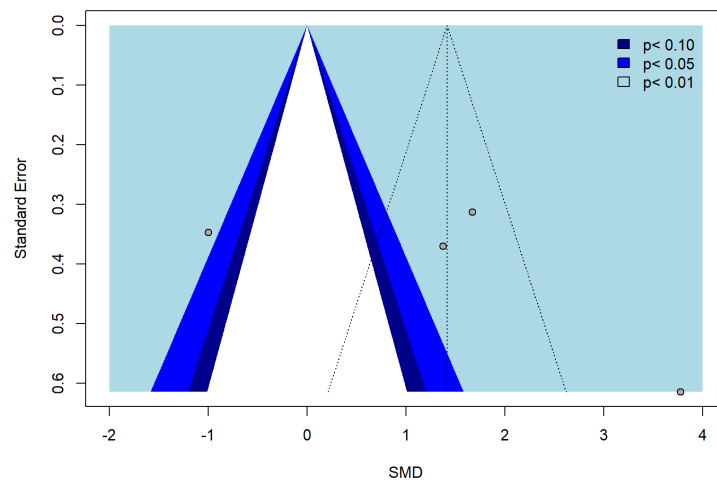
3.4.2 Heart rate (bpm)



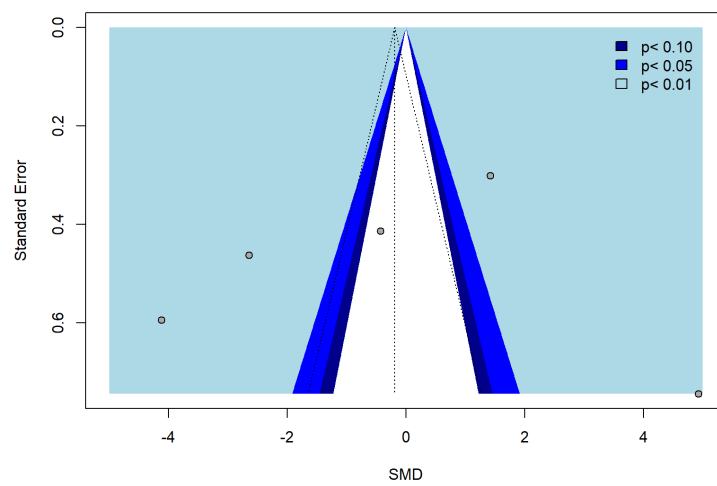
3.4.3 Heart Variability - HF



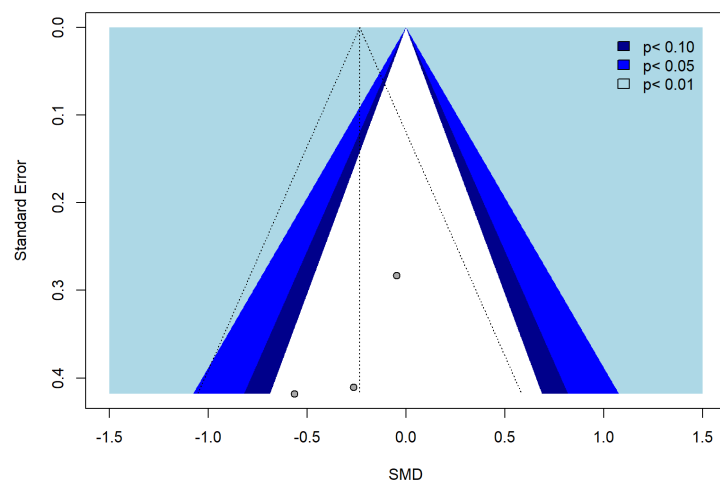
3.4.4 Heart Variability - LF



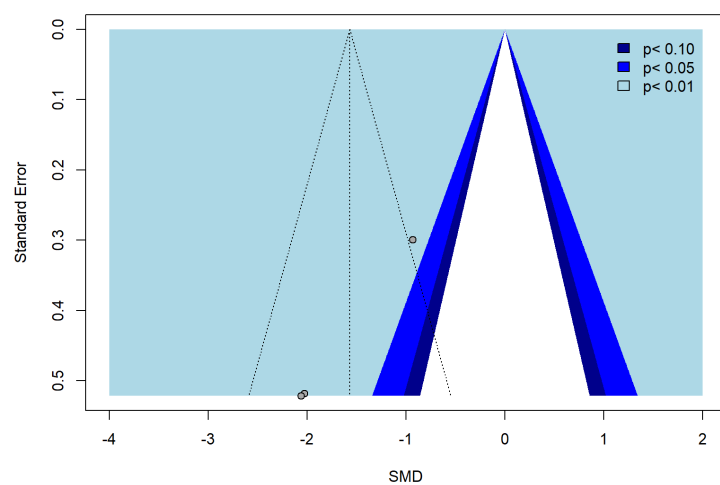
3.4.5 Heart rate variability: LF/HF



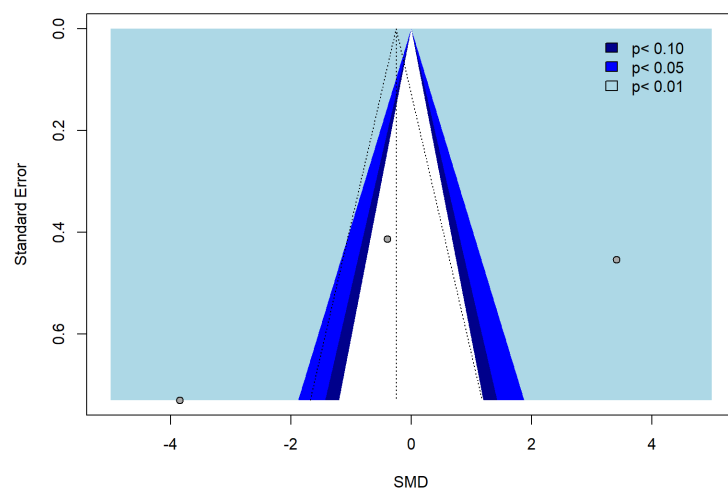
3.4.6 Mean Arterial Pressure



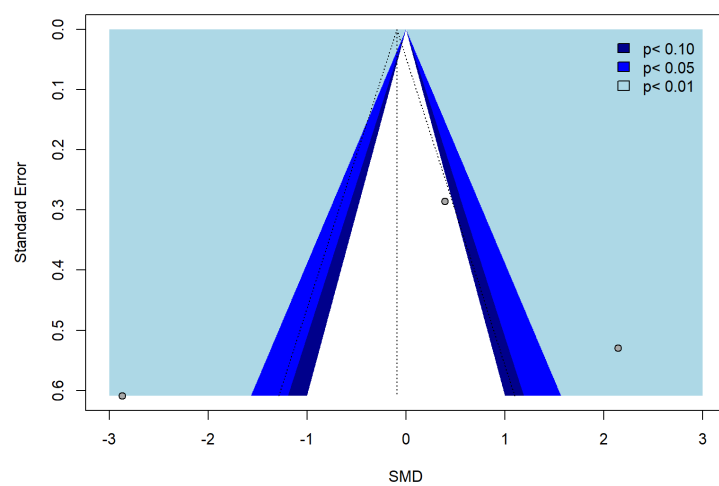
3.4.7 PR Interval



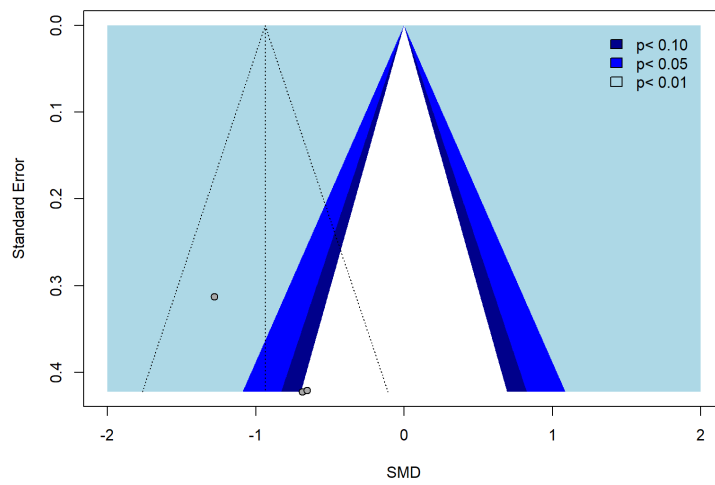
3.4.8 Pulse oximetry-left index finger



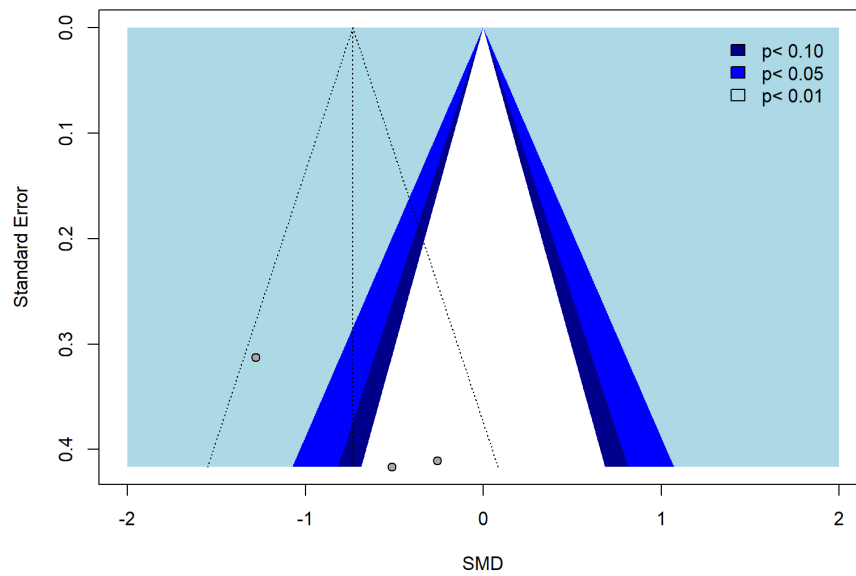
3.4.9 Pulse oximetry-right index finger



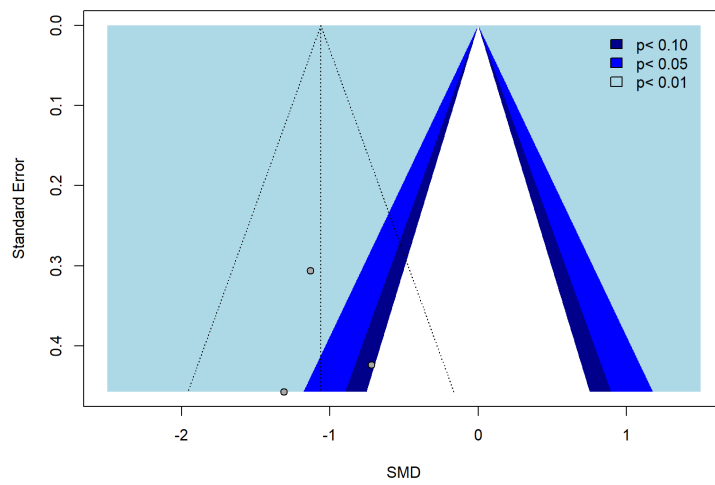
3.4.10 Pulse pressure



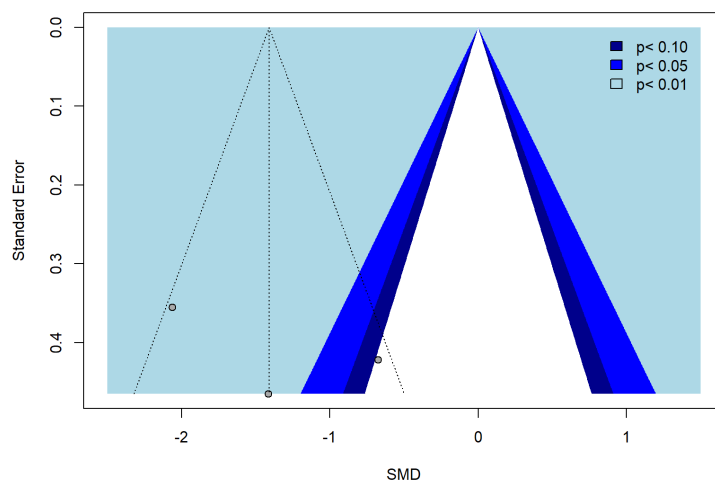
3.4.11 QRS duration



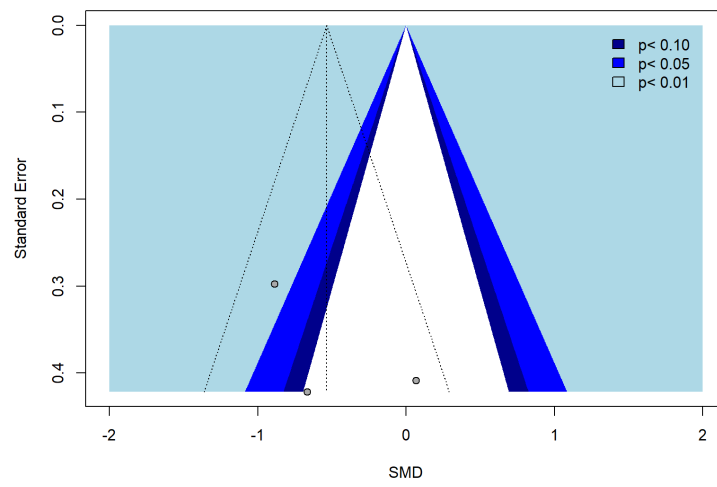
3.4.12 QT- interval



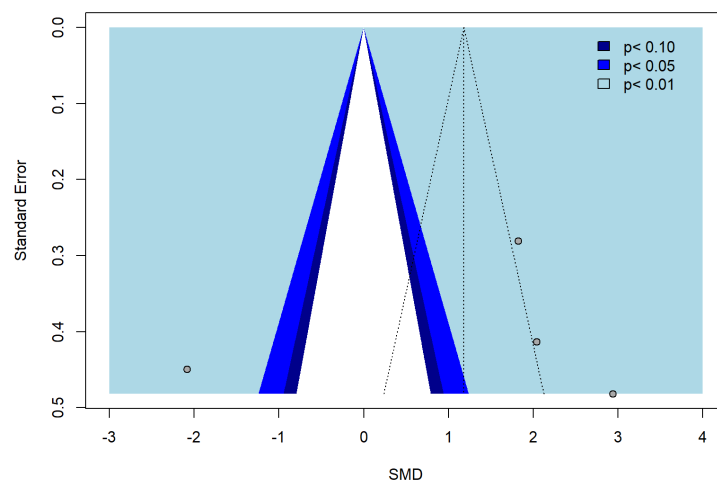
3.4.13 QTc



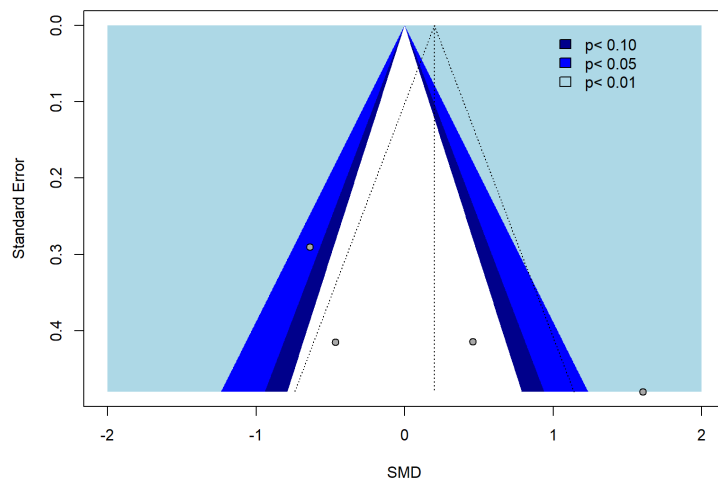
3.4.14 Rate pressure product



3.4.15 RMSSD



3.4.16 SBP



3.4.17 SDNN

