

Supplementary Search Strategies (EMD)

S1. Database search strategies (verbatim)

PubMed/MEDLINE (CORE)

```
(
  "Thermography"[Mesh] OR thermograph*[tiab] OR "infrared
thermograph*" [tiab] OR
  "thermal imaging"[tiab] OR "infrared imaging"[tiab] OR
"thermal camera*" [tiab] OR
  thermovision[tiab]
)
AND
(
  "Musculoskeletal Diseases"[Mesh] OR "Cumulative Trauma
Disorders"[Mesh] OR
  "Tendon Injuries"[Mesh] OR tendon*[tiab] OR
tendinopath*[tiab] OR myofasc*[tiab] OR
  "Carpal Tunnel Syndrome"[Mesh] OR "carpal tunnel"[tiab]
OR
  "repetitive strain"[tiab] OR RSI[tiab] OR
  "work-related musculoskeletal"[tiab] OR WMSD*[tiab] OR
LER[tiab] OR DORT[tiab]
)
AND
(
  "Occupational Diseases"[Mesh] OR "Occupational
Health"[Mesh] OR "Ergonomics"[Mesh] OR
  occupational[tiab] OR workplace[tiab] OR "work-
related"[tiab] OR "work related"[tiab] OR
  ergonomic*[tiab] OR "repetitive task*" [tiab] OR "static
task*" [tiab] OR
  "office worker*" [tiab] OR "computer user*" [tiab] OR
typist*[tiab] OR
  dentist*[tiab] OR surgeon*[tiab] OR "assembly line"[tiab]
)
AND
(
  "Mass Screening"[Mesh] OR screening[tiab] OR "risk
assessment"[tiab] OR surveillance[tiab] OR
  monitor*[tiab] OR assessment[tiab] OR "early
```

detection"[tiab] OR follow-up[tiab] OR
intervention*[tiab] OR rehabilitation[tiab] OR "active
break*" [tiab]

)

AND

(english[lang] OR portuguese[lang] OR spanish[lang])

NOT (animals[Mesh] NOT humans[Mesh])

Embase (CORE; Embase.com syntax)

('infrared thermography'/exp OR 'thermography'/exp OR
thermograph*:ti,ab,kw OR
'thermal imaging':ti,ab,kw OR 'infrared imaging':ti,ab,kw
OR thermovision:ti,ab,kw)

AND

('work related musculoskeletal disorder'/exp OR 'cumulative
trauma disorder'/exp OR

'musculoskeletal disease'/exp OR 'tendon injury'/exp OR
tendin*:ti,ab,kw OR myofasc*:ti,ab,kw OR

'repetitive strain injury':ti,ab,kw OR rsi:ti,ab,kw OR
wmsd*:ti,ab,kw OR

'carpal tunnel syndrome'/exp OR 'neck pain'/exp OR 'low
back pain'/exp)

AND

('occupational health'/exp OR 'occupational disease'/exp OR
'ergonomics'/exp OR

occupational:ti,ab,kw OR workplace:ti,ab,kw OR 'work-
related':ti,ab,kw OR ergonom*:ti,ab,kw OR

'repetitive task*':ti,ab,kw OR 'static task*':ti,ab,kw OR
dentist*:ti,ab,kw OR surgeon*:ti,ab,kw OR

'office worker*':ti,ab,kw OR 'computer user*':ti,ab,kw OR
'assembly line':ti,ab,kw)

AND

('mass screening'/exp OR screening:ti,ab,kw OR

monitoring:ti,ab,kw OR surveillance:ti,ab,kw OR

assessment:ti,ab,kw OR 'risk assessment'/exp OR 'early
detection'/exp OR follow-up:ti,ab,kw OR

intervention*:ti,ab,kw OR rehabilitation/exp OR 'active
break*':ti,ab,kw)

AND [humans]/lim

AND ([english]/lim OR [portuguese]/lim OR [spanish]/lim)

NOT ('conference abstract'/it OR 'conference paper'/it OR 'conference review'/it)

Scopus (CORE; TITLE-ABS-KEY)

```
TITLE-ABS-KEY(
  ("infrared thermography" OR thermograph* OR "thermal
imaging" OR "infrared imaging" OR thermovision)
  AND
  ("work-related musculoskeletal" OR WMSD* OR "repetitive
strain" OR RSI OR "cumulative trauma"
  OR tendon* OR tendinopath* OR myofasc* OR "carpal
tunnel" OR "neck pain" OR "low back pain")
  AND
  (occupational OR workplace OR "work-related" OR ergonom*
OR "repetitive task*" OR "static task*"
  OR "office worker*" OR "computer user*" OR typist* OR
dentist* OR surgeon* OR "assembly line")
  AND
  (screening OR "risk assessment" OR surveillance OR
monitor* OR assessment OR "early detection" OR follow-up
  OR intervention* OR rehabilitation OR "active break*")
)
```

Web of Science Core Collection (CORE; TS=)

```
TS=(
  ("infrared thermography" OR thermograph* OR "thermal
imaging" OR "infrared imaging" OR thermovision)
  AND
  ("work-related musculoskeletal" OR WMSD* OR "repetitive
strain" OR RSI OR "cumulative trauma"
  OR tendon* OR tendinopath* OR myofasc* OR "carpal
tunnel" OR "neck pain" OR "low back pain")
  AND
  (occupational OR workplace OR "work-related" OR ergonom*
OR "repetitive task*" OR "static task*"
  OR "office worker*" OR "computer user*" OR typist* OR
dentist* OR surgeon* OR "assembly line")
  AND
  (screening OR "risk assessment" OR surveillance OR
monitor* OR assessment OR "early detection" OR follow-up
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OR intervention* OR rehabilitation OR "active break*")
)

SciELO (Portuguese)

("termografia infravermelha" OR termografia OR "imagem
t rmica" OR "imagem infravermelha")
AND
(musculoesquel* OR tend* OR miofasc* OR "t nel do carpo" OR
"dor cervical" OR "dor lombar" OR LER OR DORT
OR "dist rbios osteomusculares relacionados ao trabalho"
OR "les es por esfor o repetitivo")
AND
(ocupacional OR "sa de ocupacional" OR trabalho OR ergonom*)
AND
(triagem OR rastreamento OR monitor* OR vigil ncia OR
avalia o OR acompanhamento OR interven o OR reabilita o)

SciELO (Spanish)

("termograf a infrarroja" OR termograf a OR "imagen
t rmica" OR "imagen infrarroja")
AND
(musculoesquel* OR tend* OR miofasc* OR "t nel carpiano" OR
"dolor cervical" OR "dolor lumbar"
OR "trastornos musculoesquel ticos relacionados con el
trabajo" OR "lesiones por esfuerzo repetitivo")
AND
(ocupacional OR "salud ocupacional" OR trabajo OR ergonom*)
AND
(tamizaje OR cribado OR monitor* OR vigilancia OR
evaluaci n OR seguimiento OR intervenci n OR rehabilitaci n)