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Search strategies

LIPUS

CENTRAL
#1 MeSH descriptor Ultrasonics, this term only
#2 MeSH descriptor Ultrasonic Therapy, this term only
#3 MeSH descriptor High-Energy Shock Waves, this term only
#4 (ultraso* or LIPUS or shock wave* or shockwave* or ESWT):ti,ab
#5 (#1 OR #2 OR #3 OR #4)
#6 MeSH descriptor Fractures, Bone explode all trees
#7 MeSH descriptor Fracture Healing, this term only
#8 MeSH descriptor Bone Remodeling explode all trees
#9 MeSH descriptor Bony Callus, this term only
#10 fractur*:ti,ab
#11 (#6 OR #7 OR #8 OR #9 OR #10)
#12 (#5 AND #11), from 2011 to 2012

MEDLINE
1 randomized controlled trial.pt.
2 controlled clinical trial.pt.
3 randomized.ab.
4 placebo.ab.
5 drug therapy.fs.
6 randomly.ab.
7 trial.ab.
8 groups.ab.
9 or/1-8
10 exp animals/ not humans.sh.
11 9 not 10
12 Ultrasonics/
13 Ultrasonic Therapy/
14 High-Energy Shock Waves/
15 (ultraso$ or LIPUS or HIPUS or shock wave$ or shockwave$ or ESWT).tw.
16 or/12-15
17 exp Fractures, Bone/
18 Fracture Healing/
19 exp Bone Remodeling/
20 Bony Callus/
21 fractur$.tw.
22 or/17-21
23 16 and 22
24 (dental or tooth or oral).mp.
25 23 not 24
26 11 and 25
27 limit 26 to yr="2011 - 2012"
28 limit 26 to ed=20111101-20120420
29 27 or 28

Embase
1 clinical trial/
2 randomized controlled trial/
3 randomization/
4 single blind procedure/
5 double blind procedure/
6 crossover procedure/

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placebo/
Randomized controlled trial$.tw.
Random allocation.tw.
Randomly allocated.tw.
Allocated randomly.tw.
(allocated adj2 random).tw.
Single blind$.tw.
Double blind$.tw.
((treble or triple) adj blind$).tw.
Placebo$.tw.
prospective study/
or/1-18
case study/
Case report.tw.
Abstract Report/ or Letter/
or/20-22
or/19 not 23
limit 24 to human
ultrasound/
ultrasound therapy/ or extracorporeal lithotripsy/
Low Intensity Pulsed Ultrasound.mp.
(ultrasound or LIPUS or shock wave$ or shockwave$ or ESWT).tw.
or/26-29
exp fracture/
fracture treatment/
bone remodeling/
fracture$.tw.
or/31-34
or/30 and 35
(dental or tooth or oral).mp.
36 not 37
25 and 38
limit 39 to yr="2011 - 2012"
limit 39 to em=201145-201215
40 or 41

CENTRAL
#1 MeSH descriptor Electromagnetic Fields, this term only
#2 MeSH descriptor Magnetics, this term only
#3 MeSH descriptor Electrodes, Implanted, this term only
#4 MeSH descriptor Magnetic Field Therapy, this term only
#5 (electric$ and (capacitive or coupling or stimulat$ or current or treatment)):ti,ab,kw
#6 (electromagnetic$ or EMF or PEMF or electrotherap*):ti,ab,kw
#7 (current and (direct or puls$ or alternating or stimulation)):ti,ab,kw
#8 (interferential and (therap* or current)):ti,ab,kw
#9 (coupling and (inductive or capacitive)):ti,ab,kw
#10 MeSH descriptor Electric Stimulation Therapy, this term only
#11 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10)
#12 MeSH descriptor Femoral Fractures, this term only
#13 MeSH descriptor Humeral Fractures, this term only
#14 MeSH descriptor Radius Fractures, this term only
#15 MeSH descriptor Tibial Fractures, this term only
#16 MeSH descriptor Ulna Fractures, this term only

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#17 (#12 OR #13 OR #14 OR #15 OR #16)
#18 MeSH descriptor Fractures, Bone, this term only
#19 MeSH descriptor Fracture Healing, this term only
#20 MeSH descriptor Fracture Fixation, this term only
#21 MeSH descriptor Bone Regeneration, this term only
#22 (fractur*):ti,ab,kw
#23 (#18 OR #19 OR #20 OR #21 OR #22)
#24 (femor* or femur* or humer* or radius or radial or ulna* or tibia* or fibul* or long bone or long-bone):ti,ab,k
#25 (#23 AND #24)
#26 (#17 OR #25)
#27 MeSH descriptor Fractures, Ununited explode all trees
#28 (non union or non-union or nonunion or un-united or ununited or delayed union or union or (fractur* NEAR/2 healing)):ti,ab,kw
#29 (#27 OR #28)
#30 (#11 AND #26 AND #29)
#31 (#30), from 2010 to 2012

MEDLINE, Yields 7
1 randomized controlled trial.pt.
2 controlled clinical trial.pt.
3 randomized.ab.
4 placebo.ab.
5 drug therapy.fs.
6 randomly.ab.
7 trial.ab.
8 groups.ab.
9 or/1-8
10 exp animals/ not humans.sh.
11 9 not 10
12 Electromagnetic Fields/
13 Magnetics/
14 Electric Stimulation Therapy/
15 Electrodes, Implanted/
16 Magnetic Field Therapy/
17 or/12-16
18 (electric* and (capacitive or coupling or stimulat* or current or treatment)).mp.
19 (electromagnetic* or EMF or PEMF or electrotherap*).mp.
20 (current and (direct or puls* or alternating or stimulation)).mp.
21 (interferential and (therap* or current)).mp.
22 (coupling and (inductive or capacitive)).mp.
23 or/18-22
24 17 or 23
25 Femoral Fractures/
26 Humeral Fractures/
27 Radius Fractures/
28 Tibial Fractures/
29 Ulna Fractures/
30 or/25-29
31 Fractures, Bone/
32 Fracture Healing/
33 Fracture Fixation/
34 Bone Regeneration/
35 fractur*.mp.
36 or/31-35
37 (femor* or femur* or humer* or radius or radial or ulna* or tibia* or fibul* or long bone or long-bone).mp.
38 36 and 37

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39 30 or 38
40 Fractures, Ununited/
41 (non union or non-union or nonunion or un-united or ununited or ununited or delayed union or union or (fractur* adj2 healing)).mp.
42 40 or 41
43 11 and 24 and 39 and 42
44 limit 43 to yr="2010 - 2012"
45 limit 43 to ed=20100501-20120423
46 44 or 45

Embase, Yields 6
1 clinical trial/
2 randomized controlled trial/
3 randomization/
4 single blind procedure/
5 double blind procedure/
6 crossover procedure/
7 placebo/
8 Randomi?ed controlled trial$.tw.
9 Rct.tw.
10 Random allocation.tw.
11 Randomly allocated.tw.
12 Allocated randomly.tw.
13 (allocated adj2 random).tw.
14 Single blind$.tw.
15 Double blind$.tw.
16 ((treble or triple) adj blind$).tw.
17 Placebo$.tw.
18 prospective study /
19 or/1-18
20 case study /
21 Case report.tw.
22 Abstract Report/ or Letter/
23 or/20-22
24 19 not 23
25 limit 24 to human
26 electrostimulation therapy /
27 pulsed electric field /
28 electromagnetic radiation /
29 exp magnetism /
30 exp magnetotherapy /
31 electrode /
32 (electric* and (capacitive or coupling or stimulat* or current or treatment$)).tw.
33 (electromagnetic* or EMF or PEMF or electrotherap*).tw.
34 (current and (direct or puls* or alternating or stimulation)).tw.
35 (interferential and (therap* or current$)).tw.
36 (coupling and (inductive or capacitive$)).tw.
37 or/26-36
38 radius fracture /
39 exp femur fracture /
40 humerus fracture /
41 ulna fracture /
42 tibia fracture /
43 tibia shaft fracture /
44 fibula fracture /
45 or/38-44

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46 fracture/
47 exp fracture healing/
48 fracture fixation/
49 bone regeneration/
50 fracture treatment/
51 fractur*.mp.
52 or/46-51
53 exp long bone/
54 (femor* or femur* or humer* or radius or radial or ulna* or tibia* or fibul* or long bone or long-bone).tw.
55 53 or 54
56 52 and 55
57 45 or 56
58 fracture nonunion/
59 (non union or non-union or nonunion or un-united or ununited or delayed union or union or (fractur* adj2 healing)).tw.
60 58 or 59
61 25 and 37 and 57 and 60
62 limit 61 to yr="2010 - 2012"
63 limit 61 to em=201016-201216
64 62 or 63
65 from 64 keep 1-6