

Search strategies

RQ1: In UK current practice, are there existing definitions and compositional models (including skills and specialism) for the foot protection team and the multidisciplinary foot care team?

Ovid MEDLINE <1946 to July week 1 2012>

- 1 exp Diabetes Mellitus/
- 2 Foot Diseases/
- 3 Ulcer/
- 4 Gangrene/
- 5 Osteomyelitis/
- 6 or/2-5
- 7 1 and 6
- 8 Diabetic Foot/
- 9 (Diabe* adj4 (foot* or feet* or toe* or ulcer* or gangrene* or osteomyelit*)).tw.
- 10 or/7-9
- 11 "Delivery of health care"/ or "delivery of health care, integrated"/
- 12 (Deliver* adj4 (healthcare* or health-care* or care*)).tw.
- 13 "Organization and Administration"/
- 14 "Outcome and Process Assessment (Health Care)"/
- 15 "Outcome Assessment (Health Care)"/
- 16 "Process Assessment (Health Care)"/
- 17 Models, Nursing/ or Models, Organizational/
- 18 ((Nurs* or organi?ation*) adj1 model*).tw.
- 19 or/11-18
- 20 Community Health Services/ or Community Health Centers/ or Community health nursing/
- 21 (Communit* adj4 (centre* or center* or service* or health* or healthcare* or health-care* or care* or nurs*)).tw.
- 22 Primary Health Care/
- 23 exp General Practice/
- 24 (Primar* adj4 (health* or healthcare* or health-care* or care*)).tw.
- 25 Outpatient Clinics, Hospital/

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- 26 (Outpatient* adj2 (clinic* or centre* or center* or service* or room* or unit* or hospital* or ward* or department*)).tw.
- 27 exp emergency service, hospital/
- 28 triage/
- 29 (Emergenc* adj2 (clinic* or centre* or center* or service* or room* or unit* or hospital* or ward* or department* or accident*)).tw.
- 30 (Triage* or casualt*).tw.
- 31 (AED or ER).tw.
- 32 or/20-31
- 33 ((General* or famil* or doctor*) adj4 (practic* or surger* or physician*)).tw.
- 34 Physicians/ or general practitioners/ or physicians, family/ or physicians, primary care/
- 35 Consultants/ or Specialization/
- 36 Nurse Practitioners/ or exp Specialties, Nursing/ or Nurse Clinicians/
- 37 Diabetologist*.tw.
- 38 (Diabe* adj4 (nurs* or doctor* or consultant* or physician*)).tw.
- 39 Podiatry/
- 40 Orthopedics/
- 41 (Podiat* or Chiro pod* or Ortho*).tw.
- 42 or/33-41
- 43 ((Foot* or feet*) adj4 (team* or service* or clinic* or centre* or center* or unit* or hospital* or ward* or department* or protect*)).tw.
- 44 MDFT.tw.
- 45 Patient Care Management/
- 46 Comprehensive Health Care/
- 47 Physician's Practice Patterns/
- 48 Nursing Process/ (6249)
- 49 exp Patient Care Planning/
- 50 exp Patient Care Team/
- 51 Interdisciplinary Communication/
- 52 Interprofessional Relations/
- 53 ((Patient* or health* or healthcare* or health-care* or medical* or practic* or physician* or doctor* or nurs* or consultant* or special* or multidisciplinary* or multi-disciplinary* or multi disciplinary* or interdisciplinary* or inter-disciplinar* or inter disciplinar* or multiservice* or multi-service* or multi service* or interprofession* or inter-profession* or inter profession*) adj1 (team* or staff* or group* or care* or approach* or service* or communicat* or relation*)).tw.
- 54 or/43-53

- 55 Guideline Adherence/
- 56 Practice Guidelines as Topic/
- 57 ((Care* or clinical* or integrate* or multidisciplinary* or multi-disciplinary* or multi disciplinary* or critical* or combin* or interdisciplinary* or inter-disciplinary* or inter disciplinary* or adherenc* or practice* or complian*) adj1 (pathway* or path* or plan* or protocol* or procedure* or program* or programme* or manag* or process* or outline* or algorithm* or map* or schedul* or therap* or communicat* or guideline* or guidance*)).tw.
- 58 (Qualit* adj4 outcome* adj4 framework*).tw.
- 59 QOF.tw.
- 60 ((Qualit* or clinical) adj4 (standard* or indicator* or audit* or report*)).tw.
- 61 or/55-60
- 62 Total quality management/
- 63 ((Total or contin*) adj4 qualit* adj4 manage*).tw.
- 64 Managed care programs/
- 65 Disease management/
- 66 ((Case* or care* or diseas*) adj4 manage*).tw.
- 67 or/62-66
- 68 Clinical Competence/
- 69 Professional Competence/
- 70 ((Clinical* or profession* or staff*) adj4 (competen* or skill*)).tw.
- 71 or/68-70
- 72 19 or 32 or 42 or 54 or 61 or 67 or 71
- 73 10 and 72
- 74 Animals/ not Humans/
- 75 73 not 74
- 76 limit 75 to english language

The search strategy below was used for the following research questions:

RQ2: When and with what criteria should people with diabetes be referred to the foot protection team or the multidisciplinary foot care team?

RQ3: What are the clinical utilities of assessment and risk stratification tools for examining the feet of people with diabetes and classifying risk of foot problems?

RQ4: How often should people with diabetes at risk of developing foot problems be reviewed?

RQ5: What is the effectiveness of different prevention strategies for people with diabetes at risk of developing foot problems? This includes information, advice and

education about self-monitoring and preventing foot problems, appropriate footwear, provision of foot orthoses, and skin and nail care.

RQ6: What are the clinical utilities and accuracy of tools for assessing and diagnosing:foot ulcers (including severity), soft tissue infections, osteomyelitis and gangrene?

RQ7: How often should people with diabetes who have foot ulcers, soft tissue infections, osteomyelitis or gangrene be reviewed?

RQ8: What is the effectiveness of different management strategies for people with diabetes who have foot ulcers, soft tissue infections, osteomyelitis or gangrene? This includes information, advice and education about self-monitoring and preventing further foot problems, appropriate footwear, blood glucose management, provision of foot orthoses, and skin and nail care.

RQ10: What is the clinical effectiveness of different antibiotic regimens and antimicrobial therapies for foot infection (with or without osteomyelitis) in people with diabetes?

RQ13: What are the indicators for referral to specialist services such as investigative or interventional radiology, orthopaedic or vascular services, specialist pain management and specialist orthotics?

Ovid MEDLINE(R) <1946 to June Week 2 2013>

- 1 exp Diabetes Mellitus/
- 2 Diabet*.tw.
- 3 or/1-2
- 4 Foot Diseases/
- 5 Ulcer/
- 6 Gangrene/
- 7 Osteomyelitis/
- 8 soft tissue infections/ or wound infection/
- 9 ((Foot* or feet* or toe* or tissue* or wound*) adj4 (infect* or disease*)).tw.
- 10 or/4-9
- 11 3 and 10
- 12 Diabetic Foot/
- 13 (Diabe* adj4 (foot* or feet* or toe* or ulcer* or gangrene* or osteomyelit*)).tw.
- 14 or/11-13
- 15 Animals/ not Humans/
- 16 14 not 15
- 17 limit 16 to english language
- 18 Meta-Analysis.pt.

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- 52 exp Case-Control Studies/
- 53 exp Cohort Studies/
- 54 Cross-Sectional Studies/
- 55 Comparative Study.pt.
- 56 case control\$.tw.
- 57 case series.tw.
- 58 (cohort adj (study or studies)).tw.
- 59 cohort analy\$.tw.
- 60 (follow up adj (study or studies)).tw.
- 61 (observational adj (study or studies)).tw.
- 62 longitudinal.tw.
- 63 prospective.tw.
- 64 retrospective.tw.
- 65 cross sectional.tw.
- 66 or/51-65
- 67 animals/ not humans/
- 68 66 not 67
- 69 33 or 50 or 68
- 70 17 and 69
- 71 17 not 70

RQ9: What is the clinical effectiveness of surgical or non-surgical debridement, wound dressings and off-loading?

Ovid MEDLINE(R) <1946 to November Week 3 2013>

- 1 exp Diabetes Mellitus/
- 2 Diabet*.tw.
- 3 or/1-2
- 4 Foot Diseases/
- 5 Ulcer/
- 6 Gangrene/
- 7 Osteomyelitis/
- 8 soft tissue infections/ or wound infection/
- 9 ((Foot* or feet* or toe* or tissue* or wound*) adj4 (infect* or disease*)).tw.

Diabetic foot problems - search strategies

- 10 or/4-9
- 11 3 and 10
- 12 Diabetic Foot/
- 13 (Diabe* adj4 (foot* or feet* or toe* or ulcer* or gangrene* or osteomyelit*)).tw. (6963)
- 14 or/11-13
- 15 Debridement/
- 16 ((Surg* or non-surg* or non surg* or autolytic* or larval* or biological* or sharp* or chemical* or mechanical* or ultrasonic*) adj4 (debride* or therap* or treat*)).tw.
- 17 ((Remov* or excision*) adj4 (dead* or damage* or infect* or nonliving* or non-living* or non living* or nonviable* or non-viable* or non viable* or devitali?ed* or contaminat* or debride*) adj4 (tissue* or skin*)).tw.
- 18 exp Wound Healing/
- 19 (Wound* adj4 (dress* or manage* or heal* or regenerat* or therap* or treat*)).tw.
- 20 ((Surg* or non-surg* or non surg*) adj4 (off-load* or off load* or intervention*)).tw.
- 21 Osteotomy/
- 22 Osteotom*.tw.
- 23 Orthopedics/ or Orthopedic procedures/
- 24 (Orthopedic* or orthopaedic*).tw.
- 25 orthotic devices/ or foot orthoses/
- 26 (Orthotic* or orthos* or footwear* or foot wear* or foot-wear*).tw.
- 27 ((Foot* or feet* or shoe* or trainer* or boot* or arch* or insole*) adj4 (support* or device* or insert* or padd* or custom*)).tw.
- 28 (Rocker* adj4 sole* adj4 (shoe* or trainer* or boot*)).tw.
- 29 or/15-28
- 30 14 and 29
- 31 Animals/ not Humans/
- 32 30 not 31
- 33 Randomized Controlled Trial.pt.
- 34 Controlled Clinical Trial.pt.
- 35 Clinical Trial.pt.
- 36 exp Clinical Trials as Topic/
- 37 Placebos/
- 38 Random Allocation/
- 39 Double-Blind Method/
- 40 Single-Blind Method/

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- 41 Cross-Over Studies/
- 42 ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.
- 43 (random\$ adj3 allocat\$).tw.
- 44 placebo\$.tw.
- 45 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.
- 46 (crossover\$ or (cross adj over\$)).tw.
- 47 or/33-46
- 48 animals/ not humans/
- 49 47 not 48
- 50 32 and 49
- 51 limit 50 to english language

RQ11: What is the clinical effectiveness of adjunctive treatments in treating diabetic foot problems, for example, dermal or skin substitutes, growth factors, hyperbaric oxygen therapy, bio-debridement, topical negative pressure therapy and electrical stimulation?

Ovid MEDLINE(R) <1946 to November Week 3 2013>

- 1 exp Diabetes Mellitus/
- 2 Diabet*.tw.
- 3 or/1-2
- 4 Foot Diseases/
- 5 Ulcer/
- 6 Gangrene/
- 7 Osteomyelitis/
- 8 soft tissue infections/ or wound infection/
- 9 ((Foot* or feet* or toe* or tissue* or wound*) adj4 (infect* or disease*)).tw.
- 10 or/4-9
- 11 3 and 10
- 12 Diabetic Foot/
- 13 (Diabe* adj4 (foot* or feet* or toe* or ulcer* or gangrene* or osteomyelit*)).tw.
- 14 or/11-13
- 15 (Adjunct* adj4 (treat* or therap* or techni*)).tw.
- 16 Skin, Artificial/ or Skin Transplantation/ or Tissue Transplantation/ or Transplants/
- 17 ((Dermal* or skin* or tissue*) adj4 (substitut* or artificial* or transplant* or graft*)).tw.

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- 18 dermatoplast*.tw.
- 19 Integra.tw.
- 20 exp "Intercellular Signaling Peptides and Proteins"/
- 21 (Growth* adj4 (factor* or substanc*)).tw.
- 22 (Recombinant* adj4 protein*).tw.
- 23 Leucopatch*.tw.
- 24 Platelet-Rich Plasma/
- 25 ((Platelet* or thromb*) adj4 rich* adj4 plasma*).tw.
- 26 Hyperbaric Oxygenation/
- 27 (Hyperbaric* adj4 oxygen*).tw.
- 28 HBOT.tw.
- 29 Therapeutic irrigation/
- 30 (Therapeut* adj4 irrigat*).tw.
- 31 ((Jet or pulse*) adj2 lavage).tw.
- 32 Debridement/
- 33 (Hydro-debride* or hydrodebride* or hydro debride* or bio-debride* or biodebride* or bio debride*).tw.
- 34 Negative-Pressure Wound Therapy/
- 35 (Negative* adj4 pressure* adj4 (therap* or treat* or techni* or dress* or wound*)).tw.
- 36 (Vacuum* adj4 assist* adj4 clos*).tw.
- 37 Electric Stimulation/ or Electric stimulation therapy/
- 38 Ultrasonography, Doppler/ or Laser-Doppler Flowmetry/
- 39 Ultrasonics/ or Ultrasonic therapy/
- 40 ((Electric* or Ultrasonic* or Ultrasonograph* or Ultrasound* or Flowmet*) adj4 (stimulat* or therap* or treat* or techni* or doppler*)).tw.
- 41 Laser Therapy/ or Laser therapy, low-level/
- 42 (Laser* adj4 (therap* or treat* or techni*)).tw.
- 43 ((Surg* or non-surg* or non surg*) adj4 (off-load* or off load* or intervention*)).tw.
- 44 Biomechanics/
- 45 ((Biomechanic* or bio-mechanic* or bio mechanic*) adj4 (heal* or therap* or treat* or techni*)).tw.
- 46 orthotic devices/ or foot orthoses/
- 47 (Orthotic* or orthos* or footwear* or foot wear* or foot-wear*).tw.
- 48 ((Foot* or feet* or shoe* or trainer* or boot* or arch* or insole*) adj4 (support* or device* or insert* or padd* or custom*)).tw.

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- 49 (Rocker* adj4 sole* adj4 (shoe* or trainer* or boot*)).tw.
- 50 or/15-49
- 51 14 and 50
- 52 Animals/ not Humans/
- 53 51 not 52
- 54 Randomized Controlled Trial.pt.
- 55 Controlled Clinical Trial.pt.
- 56 Clinical Trial.pt.
- 57 exp Clinical Trials as Topic/
- 58 Placebos/
- 59 Random Allocation/
- 60 Double-Blind Method/
- 61 Single-Blind Method/
- 62 Cross-Over Studies/
- 63 ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.
- 64 (random\$ adj3 allocat\$).tw.
- 65 placebo\$.tw.
- 66 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.
- 67 (crossover\$ or (cross adj over\$)).tw.
- 68 or/54-67
- 69 animals/ not humans/
- 70 68 not 69
- 71 53 and 70
- 72 limit 71 to english language

RQ12: What signs and symptoms or risk factors should prompt healthcare professionals to suspect Charcot arthropathy?

Ovid MEDLINE(R) <1946 to January Week 2 2014>

- 1 exp Diabetes Mellitus/
- 2 Diabet*.tw.
- 3 or/1-2
- 4 Arthropathy, Neurogenic/
- 5 ((Neurogenic* or neuropath* or neurotica* or charcot* or tabetic*) adj4 (arthropath* or osteoarthropath* or arthr* or foot* or feet* or toe* or tissue* or wound* or joint*)).tw.

Internal Clinical Guidelines, 2015

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- 6 or/4-5
- 7 3 and 6
- 8 risk factors/
- 9 risk*.tw.
- 10 "Signs and Symptoms"/
- 11 (sign* adj2 symptom*).tw.
- 12 incidence.sh. or exp mortality/ or follow-up studies.sh. or prognos:.tw. or predict:.tw. or course:.tw.
- 13 (sensitiv: or diagnos:).mp. or di.fs.
- 14 limb deformities, congenital/ or exp foot deformities, congenital/
- 15 (Deformat* or abnormalit* or defect* or damage* or disrupt* or destruct* or distort* or malformat*).tw.
- 16 Inflammation/
- 17 sensation/
- 18 exp pain/
- 19 Ankle Fractures/ or Fractures, Bone/ or Dislocations/
- 20 ((Los* or less* or decrease* or poor* or abnormal* or unpleasant*) adj4 (sensat* or sensor* or touch* or feel* or move* or function* or motor* or circulat*)).tw.
- 21 (Inflammat* or swell* or pain* or aches* or red* or warm* or hot* or heat* or burn* or fracture* or break* or broke* or torn* or instab*).tw.
- 22 or/8-21
- 23 7 and 22
- 24 Observational Study as Topic/
- 25 Observational Study/
- 26 Epidemiologic Studies/
- 27 exp Case-Control Studies/
- 28 exp Cohort Studies/
- 29 Cross-Sectional Studies/
- 30 Comparative Study.pt.
- 31 case control\$.tw.
- 32 case series.tw.
- 33 (cohort adj (study or studies)).tw.
- 34 cohort analy\$.tw.
- 35 (follow up adj (study or studies)).tw.
- 36 (observational adj (study or studies)).tw.

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- 37 longitudinal.tw.
- 38 prospective.tw.
- 39 retrospective.tw.
- 40 cross sectional.tw.
- 41 or/24-40
- 42 Meta-Analysis.pt.
- 43 Meta-Analysis as Topic/
- 44 Review.pt.
- 45 exp Review Literature as Topic/
- 46 (metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw.
- 47 (review\$ or overview\$).ti.
- 48 (systematic\$ adj5 (review\$ or overview\$)).tw.
- 49 ((quantitative\$ or qualitative\$) adj5 (review\$ or overview\$)).tw.
- 50 ((studies or trial\$) adj2 (review\$ or overview\$)).tw.
- 51 (integrat\$ adj3 (research or review\$ or literature)).tw.
- 52 (pool\$ adj2 (analy\$ or data)).tw.
- 53 (handsearch\$ or (hand adj3 search\$)).tw.
- 54 (manual\$ adj3 search\$).tw.
- 55 or/42-54
- 56 animals/ not humans/
- 57 55 not 56
- 58 Randomized Controlled Trial.pt.
- 59 Controlled Clinical Trial.pt.
- 60 Clinical Trial.pt.
- 61 exp Clinical Trials as Topic/
- 62 Placebos/
- 63 Random Allocation/
- 64 Double-Blind Method/
- 65 Single-Blind Method/
- 66 Cross-Over Studies/
- 67 ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.
- 68 (random\$ adj3 allocat\$).tw.
- 69 placebo\$.tw.

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- 70 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.
- 71 (crossover\$ or (cross adj over\$)).tw.
- 72 or/58-71
- 73 animals/ not humans/
- 74 72 not 73
- 75 41 or 57 or 74
- 76 23 and 75
- 77 limit 76 to english language

RQ14: What are the clinical utilities and accuracy of tools for assessment and diagnosis of Charcot arthropathy in people with diabetes?

Ovid MEDLINE(R) <1946 to January Week 5 2014>

- 1 exp Diabetes Mellitus/
- 2 Diabet*.tw.
- 3 or/1-2
- 4 Arthropathy, Neurogenic/
- 5 ((Neurogenic* or neuropath* or neurotica* or charcot* or tabetic*) adj4 (arthropath* or osteoarthropath* or arthr* or foot* or feet* or toe* or tissue* or wound* or joint*)).tw.
- 6 or/4-5
- 7 3 and 6
- 8 exp Diagnosis/
- 9 (Diagnos* or exam* or assess* or test*).tw.
- 10 Di.fs.
- 11 Magnetic Resonance Imaging/
- 12 (Magnetic* adj4 Resonance* adj4 Imag*).tw.
- 13 (MRI or MRIS or NMR).tw.
- 14 (Chemical* adj1 shift* adj1 imag*).tw.
- 15 (Magneti* adj1 transfer* adj1 contrast* adj1 imag*).tw.
- 16 ((MR or proton*) adj1 (tomograph* or imag* or scan*)).tw.
- 17 Zeugmatograph*.tw.
- 18 Neurologic Examination/
- 19 (Neurolog* adj4 Exam*).tw.
- 20 "Bone and Bones"/
- 21 X-Rays/

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- 22 (x ray* or x-ray* or xray*).tw.
- 23 Radionuclide Imaging/ or Radioisotopes/
- 24 ((Radionucl* or radioisotope* or Isotope* or bone* or radio*) adj4 (imag* or scan*)).tw.
- 25 ((Gamma* or high*) adj4 (imag* or scan*)).tw.
- 26 (Scintigraph* or scintiphotograph* or scintiscan* or scintillat* or scinti or scanograph*).tw.
- 27 physical examination/ or gait/ or gait disorders, neurological/ or "range of motion, articular"/
- 28 ((Physical* or clinical*) adj4 (utilit* or suspicio*)).tw.
- 29 Gait*.tw.
- 30 skin temperature/
- 31 ((Skin or foot or feet) adj4 (temp* or heat* or hot* or warm* or burn*)).tw.
- 32 or/8-31
- 33 7 and 32
- 34 Observational Study as Topic/
- 35 Observational Study/
- 36 Epidemiologic Studies/
- 37 exp Case-Control Studies/
- 38 exp Cohort Studies/
- 39 Cross-Sectional Studies/
- 40 Comparative Study.pt.
- 41 case control\$.tw.
- 42 case series.tw.
- 43 (cohort adj (study or studies)).tw.
- 44 cohort analy\$.tw.
- 45 (follow up adj (study or studies)).tw.
- 46 (observational adj (study or studies)).tw.
- 47 longitudinal.tw.
- 48 prospective.tw.
- 49 retrospective.tw.
- 50 cross sectional.tw.
- 51 or/34-50
- 52 Meta-Analysis.pt.
- 53 Meta-Analysis as Topic/

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- 54 Review.pt.
- 55 exp Review Literature as Topic/
- 56 (metaanaly\$ or metanaly\$ or (meta adj3 analy\$)).tw.
- 57 (review\$ or overview\$).ti.
- 58 (systematic\$ adj5 (review\$ or overview\$)).tw.
- 59 ((quantitative\$ or qualitative\$) adj5 (review\$ or overview\$)).tw.
- 60 ((studies or trial\$) adj2 (review\$ or overview\$)).tw.
- 61 (integrat\$ adj3 (research or review\$ or literature)).tw.
- 62 (pool\$ adj2 (analy\$ or data)).tw.
- 63 (handsearch\$ or (hand adj3 search\$)).tw.
- 64 (manual\$ adj3 search\$).tw.
- 65 or/52-64
- 66 animals/ not humans/
- 67 65 not 66
- 68 Randomized Controlled Trial.pt.
- 69 Controlled Clinical Trial.pt.
- 70 Clinical Trial.pt.
- 71 exp Clinical Trials as Topic/
- 72 Placebos/
- 73 Random Allocation/
- 74 Double-Blind Method/
- 75 Single-Blind Method/
- 76 Cross-Over Studies/
- 77 ((random\$ or control\$ or clinical\$) adj3 (trial\$ or stud\$)).tw.
- 78 (random\$ adj3 allocat\$).tw.
- 79 placebo\$.tw.
- 80 ((singl\$ or doubl\$ or trebl\$ or tripl\$) adj (blind\$ or mask\$)).tw.
- 81 (crossover\$ or (cross adj over\$)).tw.
- 82 or/68-81
- 83 animals/ not humans/
- 84 82 not 83
- 85 51 or 67 or 84
- 86 33 and 85

- 87 Animals/ not Humans/
- 88 86 not 87
- 89 limit 88 to english language

RQ15: What is the clinical effectiveness of surgical interventions, adjunctive treatment, off-loading or orthoses for managing Charcot arthropathy?

Ovid MEDLINE(R) <1946 to February Week 1 2014>

- 1 exp Diabetes Mellitus/
- 2 Diabet*.tw.
- 3 or/1-2
- 4 Arthropathy, Neurogenic/
- 5 ((Neurogenic* or neuropath* or neurotica* or charcot* or tabetic*) adj4 (arthropath* or osteoarthropath* or arthr* or foot* or feet* or toe* or tissue* or wound* or joint*)).tw.
- 6 or/4-5
- 7 3 and 6
- 8 Orthopedics/ or Surgery, Plastic/ or orthopaedic procedures/ or reconstructive surgical procedures/
- 9 (Orthopedic* or orthopaedic* or ortho).tw.
- 10 (Surg* adj4 (plastic* or esthetic* or cosmetic* or intervention* or tech* or reconstruct*)).tw.
- 11 Fusion*.tw.
- 12 Osteotomy/ or Arthrodesis/
- 13 (Osteotom* or ostectom* or arthrodes*).tw.
- 14 orthopedic fixation devices/ or casts, surgical/ or splints/ or braces/
- 15 ((Contact* or surg*) adj4 (cast* or splint* or device*)).tw.
- 16 TCC.tw.
- 17 Brace*.tw.
- 18 exp foot bones/su or Ankle joint/su or Ankle injuries/su or Foot Injuries/su or Foot diseases/su or Foot Deformities, Acquired/su or Fractures bone/su
- 19 (Surg* adj4 (foot* or feet* or ankle*)).tw.
- 20 exp fracture fixation/ or Internal fixators/ or External fixators/ or Bone plates/
- 21 ((Fracture* or break* or bone* or internal* or external*) adj4 (fix* or plate* or surg*)).tw.
- 22 Achilles Tendon/ or Tenotomy/
- 23 (Achille* adj4 tendon* adj4 (length* or surg* or long* or increas*)).tw.
- 24 orthotic devices/ or foot orthoses/ or shoes/ or walkers/

- 25 (Orthotic* or orthos* or footwear* or foot wear* or foot-wear*).tw.
- 26 ((Foot* or feet* or shoe* or trainer* or boot* or arch* or insole*) adj4 (support* or device* or insert* or padd* or custom*)).tw.
- 27 (Rocker* adj4 sole* adj4 (shoe* or trainer* or boot*)).tw.
- 28 ((Crow* or remov*) adj4 (device* or walk* or shoe* or trainer* or boot*)).tw.
- 29 Charcot restraint orthotic walker.tw.
- 30 Weight bearing/
- 31 (Off-load* or off load* or offload*).tw.
- 32 (Weigh* adj4 bear*).tw.
- 33 (Adjunct* adj4 (treat* or therap* or surg*)).tw.
- 34 exp Diphosphonates/
- 35 (Bisphosphon* or disphosphon* or bisfosfon* or disfosfon*).tw.
- 36 (Alendron* or Fosamax or Fosavance).tw.
- 37 (Etidron* or Didronel).tw.
- 38 (Ibandron* or Bondronat or Bonviva).tw.
- 39 (Pamidron* or Aredia dry powder).tw.
- 40 (Risedrona* or Actonel).tw.
- 41 (Clodron* or Bonefos or Clasteon or Loron).tw.
- 42 (Zoledron* or Aclasta or Zometa).tw.
- 43 (Medronat* or Minodronat* or Neridronat* or Oxidronat* or Tiludronat*).tw.
- 44 or/8-43
- 45 7 and 44
- 46 Animals/ not Humans/
- 47 45 not 46
- 48 limit 47 to english language

D.1.1 Health economics searches

The following sources were searched to identify economic evaluations and quality of life data featuring the patient population of diabetic foot:

Ovid MEDLINE

Ovid MEDLINE-in-Process

EMBASE (Ovid)

NHS EED (Wiley)

HEED

The following search filters were added to all clinical search strategies:

- 1 Economics/
- 2 exp "Costs and Cost Analysis"/
- 3 Economics, Dental/
- 4 exp Economics, Hospital/
- 5 exp Economics, Medical/
- 6 Economics, Nursing/
- 7 Economics, Pharmaceutical/
- 8 Budgets/
- 9 exp Models, Economic/
- 10 Markov Chains/
- 11 Monte Carlo Method/
- 12 Decision Trees/
- 13 econom\$.tw.
- 14 cba.tw.
- 15 cea.tw.
- 16 cua.tw.
- 17 markov\$.tw.
- 18 (monte adj carlo).tw.
- 19 (decision adj2 (tree\$ or analys\$)).tw.
- 20 (cost or costs or costing\$ or costly or costed).tw.
- 21 (price\$ or pricing\$).tw.
- 22 budget\$.tw.
- 23 expenditure\$.tw.
- 24 (value adj2 (money or monetary)).tw.
- 25 (pharmacoeconomic\$ or (pharmaco adj economic\$)).tw.
- 26 or/1-25
- 27 "Quality of Life"/
- 28 quality of life.tw.
- 29 "Value of Life"/
- 30 Quality-Adjusted Life Years/

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- 31 quality adjusted life.tw.
- 32 (qaly\$ or qald\$ or qale\$ or qtime\$).tw.
- 33 disability adjusted life.tw.
- 34 daly\$.tw.
- 35 Health Status Indicators/
- 36 (sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or 29 shortform thirty six or short form thirtysix or short form thirty six).tw.
- 37 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).tw. 31
- 38 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or 33 short form twelve).tw.
- 39 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or 35 short form sixteen).tw.
- 40 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or 1 short form twenty).tw.
- 41 (euroqol or euro qol or eq5d or eq 5d).tw.
- 42 (qol or hql or hqol or hrqol).tw.
- 43 (hye or hyes).tw.
- 44 health\$ year\$ equivalent\$.tw.
- 45 utilit\$.tw.
- 46 (hui or hui1 or hui2 or hui3).tw.
- 47 disutili\$.tw.
- 48 rosser.tw.
- 49 quality of wellbeing.tw.
- 50 quality of well-being.tw.
- 51 qwb.tw.
- 52 willingness to pay.tw.
- 53 standard gamble\$.tw.
- 54 time trade off.tw.
- 55 time tradeoff.tw.
- 56 tto.tw.
- 57 or/27-56
- 58 26 or 57