

Implementation of a strategy of osteoporosis screening in patients over 50 years of age with a first fracture

Submission date 23/08/2007	Recruitment status No longer recruiting	<input checked="" type="checkbox"/> Prospectively registered
Registration date 23/08/2007	Overall study status Completed	<input type="checkbox"/> Protocol
Last Edited 26/09/2007	Condition category Musculoskeletal Diseases	<input type="checkbox"/> Statistical analysis plan
		<input type="checkbox"/> Results
		<input type="checkbox"/> Individual participant data
		<input type="checkbox"/> Record updated in last year

Plain English summary of protocol
Not provided at time of registration

Contact information

Type(s)
Scientific

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Additional identifiers

Study information

Scientific Title

Study objectives

The nurse practitioner will actively approach all fracture patients above the age of 50 for screening and intensive treatment of osteoporosis. This will improve the number of fracture patients screened and treated for osteoporosis.

Ethics approval required

Old ethics approval format

Ethics approval(s)

Ethics approval received from VU University Medical Center Ethics Board, Amsterdam, on the 21st June 2007 (ref: 2007/132).

Primary study design

Interventional

Study design

Multicentre, parallel group clinical trial

Study type(s)

Screening

Health condition(s) or problem(s) studied

Osteoporosis screening

Interventions

In the implementation group the patients will be screened for osteoporosis by Dual energy X-ray Absorptiometry (DXA) measurement, and a spine X-ray will be performed. At baseline and after 12 months a blood sample will be taken. At baseline, after 3, 6, 9 and 12 months questionnaires will be performed. The follow up period is 1 - 1.5 years (depending on the time it takes to include enough patients). Patients will be treated with anti-osteoporosis medication according to the CBO guidelines (first choice bisphosphonates).

In the parallel group only the questionnaires will be performed.

Intervention Type

Other

Phase

Not Specified

Primary outcome(s)

1. Percentage of patients with a fracture of 50 years and older that is screened by a fracture nurse for osteoporosis (the goal is 70%)
2. Percentage of patients that are screened and treated and still use their medication after one year (the goal is 70%)

Key secondary outcome(s)

1. Percentage of patients that present with a fracture within a year of the initial fracture
2. Percentage screened patients and percentage compliant patients in the fracture nurse group compared to the parallel group
3. The costs and barriers to implement a fracture nurse

The final follow up will take place after one year, the patients will be contacted every three months.

Completion date

01/12/2009

Eligibility

Key inclusion criteria

All patients 50 years of age or older, who have a clinical fracture and a low Bone Mineral Density (BMD) defined as a T score greater than or equal to 2.

Participant type(s)

Patient

Healthy volunteers allowed

No

Age group

Not Specified

Sex

Not Specified

Key exclusion criteria

1. Patients with a fracture after a traffic accident
2. Patients with a pathological fracture
3. Patients with fractures of hand, foot or scull
4. Serious co-morbidity or dementia
5. Incapable of visiting the out patient clinic

Date of first enrolment

01/09/2007

Date of final enrolment

01/12/2009

Locations

Countries of recruitment

Netherlands

Study participating centre

Vrije University Medical Centre

Amsterdam

Netherlands

1081 HV

Sponsor information

Organisation

Vrije University Medical Centre (VUMC) (The Netherlands)

ROR

<https://ror.org/00q6h8f30>

Funder(s)

Funder type

Research organisation

Funder Name

The Netherlands Organisation for Health Research and Development (ZonMw) (The Netherlands)

Results and Publications

Individual participant data (IPD) sharing plan

IPD sharing plan summary

Not provided at time of registration