Get Involved in Secondary Fracture Prevention: Join the Capture the Fracture® Programme!

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Capture the Fracture®

- A flagship programme of the International Osteoporosis Foundation (IOF)
- Launched in 2012
- www.capturethefracture.org

Key Objectives for secondary fracture prevention:

- Set Standards
- Facilitate Change
- Create Awareness
CTF Steering committee

- Prof. Kristina Åkesson, Chair Capture the Fracture, Skåne University Hospital SWE
- Prof. Cyrus Cooper, Chair IOF Committee of Scientific Advisors, MRC Lifecourse Epidemiology Unit, University of Southampton & University of Oxford UK
- Paul Mitchell, Synthesis Medical Limited NZL
- Dr Kassim Javaid, University of Oxford UK
- Dr Mark Edwards, University of Southampton UK
- Judy Stenmark, Chief Executive Officer, IOF
- Dominique Pierroz, PhD, Science Manager, IOF
- Muriel Schneider, PhD, Capture the Fracture Coordinator, IOF

With additional support from
- Charlotte Moss, MRC Lifecourse Epidemiology Unit, University of Southampton UK

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The Burden of Fragility Fractures

Fragility fractures are common
- 1 in 3 women and 1 in 5 men over 50 years of age.
- One fracture every 3 seconds.

Fractures affect quality of life
- Functional decline, loss of independence
- Mortality

Fractures are costly
- EU: estimated costs of 32 billion EUR per year
- USA: costs of 20 billion USD per year
Fragility Fractures are a Global Health and Economic Concern

- High incidence fragility Fx
- Care gap
- Global health and economic burden

8.9 million fragility Fx occur every year (1.6 million for hip)
80% Fx patients not screened & treated
Direct cost >110Bn/yr by 2025 in the EU, US and China

2050: 6.3 million/yr of hip Fx incidence alone
A Proven Solution: Fracture Liaison Service (FLS)

FLS models have been shown to be effective and cost-saving

Role of an FLS:
✓ Identify Fx patients
✓ Investigate OP risk factors
✓ Initiate treatment and fall prevention
✓ Ensure adherence to the treatment
Structure of Capture the Fracture®

- Best Practice Framework
- Best Practice Recognition/application
- Showcase of Best Practices/map
- Mentorship programme
- Implementation guides & toolkits
- Webinars

- www.capturethefracture.org
- Resources
- Communication/marketing
- Coalition of partners

www.capturethefracture.org
Capture the Fracture: Set the Standards

The Best Practice Recognition programme includes:

- **Best Practice Framework (BPF)**
  - 13 internationally endorsed standards to guide FLS

- **FLS questionnaire**
  - Apply and endorse the BPF

- **Map of Best Practice**
  - FLS achievements showcased on the map of Best Practice with a gold, silver or bronze star

*Setting standards in health care and being measured against standards are powerful tools to improve patient management.*
Purpose of the Best Practice Framework

Aim:
1. Set the standard for FLS
2. Guidance
3. Benchmarking and fine-tuning

Setting the standard
Studies have shown that Fracture Liaison Service models are the most cost-effective in preventing secondary fractures. This systematic approach, with a fracture coordinator at its centre, can result in fewer fractures, cost savings for the health system and improvement in the quality of life of patients.
13 internationally endorsed standards to guide FLS

<table>
<thead>
<tr>
<th>Standard</th>
<th>Bronze</th>
<th>Silver</th>
<th>Gold</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Patient Identification</td>
<td>Patients ID’d, <em>not</em> tracked</td>
<td>Patients ID’d, <em>are</em> tracked</td>
<td>Patients ID’d, tracked &amp; <em>Independent review</em></td>
</tr>
<tr>
<td>9. Medication Initiation</td>
<td>50% of patients initiated</td>
<td>70% of patients initiated</td>
<td>90% of patients initiated</td>
</tr>
</tbody>
</table>

www.capturethefracture.org
The Process

Step 1
FLS submits online application

Step 2
FLS marked in green on the map while being reviewed

Step 3
BPF achievement level assigned

Step 4
FLS is scored and recognized on the map
Map of Best Practice
INITIAL RESULTS
128 FLS Registered on the Map

68 complete  13  26  29

25 in review and 35 new FLS waiting for more data

ALGERIA
AUSTRALIA
BELGIUM
BRAZIL
BULGARIA
CANADA
CHINA
CZECH REPUBLIC
FINLAND
FRANCE
GREECE
INDIA
IRELAND
ITALY
NETHERLANDS
NEW ZEALAND
PORTUGAL
SINGAPORE
SPAIN
SWEDEN
SWITZERLAND
TAIWAN
TRINIDAD & TOBAGO
UK
USA
• Range of patient population: from 100,000 to 1.3 million

• Mix of private & publicly funded hospitals

• Range of fracture patients per year: from 181 to 6200
Results According to BPF Domains

Ratings of 65 hospitals using the BPF domains

- Bronze
- Silver
- Gold
- Insufficient

FLS (%)

Hip | Inpatient | Outpatient | Vertebral | Organization
---|-----------|------------|-----------|--------------
0% | 10%       | 20%        | 30%       | 40%          
10% | 20%       | 30%        | 40%       | 50%          
20% | 30%       | 40%        | 50%       | 60%          
30% | 40%       | 50%        | 60%       | 70%          
40% | 50%       | 60%        | 70%       | 80%          
50% | 60%       | 70%        | 80%       | 90%          
60% | 70%       | 80%        | 90%       | 100%         
70% | 80%       | 90%        | 100%      |              
80% | 90%       | 100%       |          |              
90% |          |            |          |              
100%|          |            |          |              

www.capturethefracture.org
International Osteoporosis Foundation
Capture the Fracture: Facilitate Change

• Tools:
  – Slide kits and toolkit: help HCPs implement an FLS
  – Webinars on CTF, how to implement an FLS, success stories

• Mentorship programme
  – Establish connection between established FLS and new ones

• Grant programme
  – Provide financial support to help sustainable implementation of FLS
CTF tools: Slide kits, Toolkit

Slide kits:
Help educate and promote the need for secondary fracture prevention and effective FLS

Toolkit:
Guide healthcare professionals, health administrators and policymakers to implement a successful FLS
To facilitate endorsement of our best practice worldwide, the BPF document has been translated into 7 different languages (German and Portuguese on the way) which includes 5 out of the 10 most spoken languages.
Capture the Fracture: Raise Awareness

- Interactive Website
  Primary resource on secondary fracture prevention for the international community.

- Surveys, literature & epidemiology
  Anthology of research publications supporting the development of FLS

- International coalition of partners
  Provide consensus on effective models of care for the prevention of secondary fractures
Scientific Publications

**Paper 1:** Coordinator-based systems for secondary prevention in fragility fracture patients. , Osteoporosis International, 2011
D. Marsh *et al*.

**Paper 2:** Capture the Fracture: a Best Practice Framework and global campaign to break the fragility fracture cycle, Osteoporosis International, 2013
K. Åkesson *et al*.

**Paper 3:** Effective secondary fracture prevention: implementation of a global benchmarking of clinical quality using the IOF Capture the Fracture Best Practice Framework Tool
Javaid MK, *et al*.
Accepted in OI

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2015 Objectives

- **Aim:** Create a global network of FLS
  - Get 200 FLS registered on the map of Best Practice by the end of 2015

- **Aim:** Provide a platform to enhance interaction between established FLS and newcomers
  - Sponsor training day for new FLS, increase interaction between FLS at a country level

- **Aim:** Understanding the role of FLS in secondary fractures prevention
  - 4 webinars (IOF & the Capture the Fracture® programme, How to implement an FLS, IOF Best Practice Recognition programme, Success stories)

www.capturethefracture.org
Thanks to our CTF sponsors
Registration Now Open for the upcoming webinars!

June 11, 2015 at 09:00 CET
Step-by-step guide for implementing a successful FLS
Prof. Kristina Åkesson (Chair, Capture the Fracture Campaign, Sweden)

September 17, 2015 at 09:00 CET
Get mapped - How to get best practice recognition for your FLS
Dr Kassim Javaid (UK)

November 19, 2015 at 09:00 CET
FLS champions: global success stories
Dr Kassim Javaid (UK) & Dr Chandran (Singapore)

Please visit http://capturethefracture.org/webinars to register!
Thank you for attending the webinar!

If you have any additional questions, comments or feedback: please email Muriel at mschneider@iofbonehealth.org

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