REFERENCES

2. http://www.indexmundi.com

THE SOLUTION FOR PATIENTS AT RISK OF HIP FRACTURE

A STRUTPLAPlasty® TECHNIQUE FOR BONE CONSOLIDATION

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Medical device – Class IIb
For more information, see the instructions for use
PLA-HYP01-EN v06
PATENTED
NOT FDA CLEARED

www.hyprevention.com
More than 2 million hip fractures annually worldwide, over 6 million in 2050\textsuperscript{1,2} with growing and aging population

TRAMATOLOGY

- High risk of contralateral hip fracture
  - 9% at 1 year
  - Up to 20% at 5 years\textsuperscript{3}
- Serious loss in quality of life: chronic pain, reduced mobility and increasing of dependence\textsuperscript{4}
- Patients’ mortality 2-fold\textsuperscript{5}
- High incremental costs for hip fracture treatment\textsuperscript{5}

ONCOLOGY

- Bone is the third location of metastases after the lungs and liver. The origin of lytic bone metastases varies and is often linked to a primary tumour of the thyroid, kidney, lung or breast\textsuperscript{6}
- Severe consequences of pathological fractures: patients’ life expectancy affected and loss of quality of life\textsuperscript{9}

TRAUMATOLOGY INDICATION

- Surgical prevention: a potential solution to avoid contralateral hip fracture with associated morbidity and costs\textsuperscript{6,7}

ONCOLOGY INDICATION

- Various surgical techniques, like standard osteosynthesis fixation, are being performed to treat lytic bone lesions, prevent these fractures and improve patients’ quality of life\textsuperscript{10}

PRODUCT DESCRIPTION

- Implantable medical device composed of 2 implants connected in situ, made of radio-transparent PEEK polymer
- Range of sizes to fit patient’s anatomy
- Combined with PMMA bone cement
- Bone reinforcement\textsuperscript{14}

MINIMALLY INVASIVE PROCEDURE

- Short hospitalization duration (mean 2.3 days)
- PEUK polymer material allows local radiotherapy
- Clinical experience\textsuperscript{15,17}:
  - First study completed in 2016 on 10 patients followed during 1 year
  - Post-market surveillance ongoing

\textsuperscript{1,2}More than 2 million hip fractures annually worldwide, over 6 million in 2050 with growing and aging population

\textsuperscript{3}High risk of contralateral hip fracture
- 9% at 1 year
- Up to 20% at 5 years

\textsuperscript{4}Serious loss in quality of life: chronic pain, reduced mobility and increasing of dependence

\textsuperscript{5}Patients’ mortality 2-fold

\textsuperscript{6}Bone is the third location of metastases after the lungs and liver. The origin of lytic bone metastases varies and is often linked to a primary tumour of the thyroid, kidney, lung or breast

\textsuperscript{7}Severe consequences of pathological fractures: patients’ life expectancy affected and loss of quality of life

\textsuperscript{8}Surgical prevention: a potential solution to avoid contralateral hip fracture with associated morbidity and costs

\textsuperscript{9}Various surgical techniques, like standard osteosynthesis fixation, are being performed to treat lytic bone lesions, prevent these fractures and improve patients’ quality of life

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