Spontaneous vertebral body fractures due to long and continuous steroid therapy treated with CERAMENT™|SPINE SUPPORT

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HISTORY:

• 79 year old patient affected by silicosis presented with three spontaneous vertebral body fractures due to long and continuous steroid therapy.

IMAGES AND VAS PAIN SCORES:

• X-ray and CT pre Vertebroplasty procedure.
• Fluoroscopic images during Vertebroplasty procedure.
• X-ray post Vertebroplasty procedure at 1 month and at 3 months.
• Pre-operative pain: VAS = 10.
• Post-operative pain: VAS = 0.

COMMENTS:

• High visualization and good spread of CERAMENT™|SPINE SUPPORT.
• During the first week, the radiocontrast agent is completely washed out. At the 1 and 3 month follow-ups, fracture healing is indirectly demonstrated by increased bone density and the absence of pain.
CASE STUDY  CERAMENT™|SPINE SUPPORT

Picture 1. X-ray AP view show L2, L3 and L4 fractures (AO-classification: L2=A1.3; L3=A1.2; L4=A1.2).

Picture 2. X-ray lateral view.

Picture 3. Fluoroscopic images immediately after Vertebroplasty procedure demonstrate good intratrabecular spread and high visualization on after CERAMENT™ injection.

Picture 4. X-ray in AP view after 1 month. Radiocontrast agent completely washed out.

Picture 5. X-ray in lateral view after 1 month.

Picture 6. X-ray on AP view 3 months after Vertebroplasty procedure. Subcortical bone density increase is demonstrated as an indirect sign of bone fracture healing.

Picture 7. X-ray in lateral view (L1) at 3 months.

Picture 8. X-ray in lateral view (L3) at 3 months.

Picture 9. X-ray in lateral view after 1 month.

BONESUPPORT™ is a Scandinavian medical technology company dedicated to the development of injectable osteoconductive biomaterials for the treatment of fragility fractures caused by osteoporosis, and bone voids or gaps caused by trauma, disease or related to surgical procedures.