27th Annual Meeting ASBMR Nashville, Tennessee, September 25, 2005; Poster # SU443



Introduction

Clinical Characteristics of Spinal Osteoporosis

- Height & Kyphosis *, Biocostal friction *
- · Ounlity of \$5 + Pain & Well-beine + Limitations in daily SylarD
- Long function.
- · Trank mascle strength
- · Rick for falls ? and fall-related fractures ?

missional orthogen should relieve this burden of disease !

Study Desires;

118 Participants are randomized into three groups -

Sec.	ineNee	the Month
Group A (Spinsord)	Intervention	Infer weather
Group 2 (Spinemed)	Closervation	Infer weather
Group C (Spinsmed and)	Intervention.	Intervention.

Results (Base-Line Characteristics)

Groups	A (n=31)	B (n=31)	C (n=48)
Age (years)	72.9 ± 7.3	72.5 ± 6.7	68.74 18.9
Height (mm)	1567 ± 69	1563 ± 71	1594 ± 57
Weight (kg)	64.1 ± 9.4	63.8 + 9.1	67.2 ± 12.1
Loss of height (mm)	87 ± 50	39 ± 38	70 + 30
No. vertebral 6s	2.9 ± 2.7	2.1 ± 2.8	1.5 ± 2.4
Angle of Kyphosis (*)	74.2 + 9.8	70.8 + 9.9	65.8 ± 11.9
Back est, strength (N)	264 ± 131	262 ± 119	273 ± 112
Abd. flex. strength (N)	165 ± 71	155 ± 64	157 ± 72
Body Sway (mm)	54 ± 70	78 ± 37	59 ± 31
Vital capacity (%)	83 ± 21	93 ± 16	96 ± 22
Pala (Score)	4.0 ± 1.1	3.9 ± 1.0	3.6 ± 1.1
LDL (Seary)	4.8 ± 1.9	$4,1 \pm 1,7$	4.0 + 1.0

The Orthoses Spinomed and Spinomed active Improve Posture: Trunk Muscle Strength

and Quality of Life in Postmenopausal

Women with Spinal Osteoporosis:

A Controlled, Randomized, and Prospective Clinical Trial.

Back Extensor Strength (N) after Intervention with Spinomed and Spinemed active



Aarly of Kyphesis (*) after lateryeation with Spinomed





Michael Pfeifer, Liss Kohlwey

Betting Beperow and Helmut W. Minne,

and Clinic DER ELERSTENHOF* Bad Pyrmont, Germany



Spinal Orthosis Salasmod*



Spinomed active*





In women with esteroperatic vertebral fractures, an

- Improvement in Postary (Height & Kyphosic))
- Improvement in Quality of Life

and Sninomed active



Sninomed and Sninomed active.

