



## Case study of viscoelastic protectors in nursing care

### Facts

- About one third old people over 65 years fall at least once a year
- Hip fractures can be a possible consequence of a fall
- Hip protectors can prevent bone fractures when falling

### Compliance Study

- **Objective:** Information about the acceptance of viscoelastic hip protectores
- **Participants:** 56 probants aged 55 to 101 living in 6 different institutions
- **Period:** 26.02.2008 - 19.09.2008

### Results

- **Acceptance of the participants in total:** 76,8 %
- **Acceptance of participants with dementia:** 84,7 %
- **Wear period** of the participants who accepted the hip protectors: 65 % a day, 35 % at night
  - ➔ Acceptance of viscoelastic hip protectors can be considered high

## size table

	women and men				S		M	
suprima - size*	28	30	32	34	36	38	40	42
size (men)					4		5	
hip circumference (cm)	bis 77	78 - 81	82 - 85	86 - 89	90 - 92	93 - 96	97 - 100	101 - 104

	L		XL		XXL		XXXL		
suprima - size*	44	46	48	50	52	54	56	58	60
size (men)	6		7		8		9		10
hip circumference (cm)	105-108	109-112	113-116	117-121	122-126	127-132	133-138	139-144	145-150

\* suprima - size conforms to the ready-made German women size.

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# Hip Protector Systems

The protection against fall injuries

suprima



Simply a better quality of life.

# A fall and its consequences

In everyday life many dangers are lurking everywhere. Incorrect footwear, smooth floor, carpet or the influence of medicines can potentially cause heavy falls. Many of these falls occur at night. Suprima hip protectors are designed to be worn at day and at night. Hip protectors can prevent a femoral neck fracture in the event of a fall.

## A fall or even the fear of falling can significantly affect the quality of life:

- Restriction of physical activity and muscle loss. Mobility and coordination skills are decreasing.
- Social isolation, contacts cannot be longer maintained.
- The uncertainty affects the locomotor system. The risk of falling even increases.
- Risk of losing its independence.

## Who should wear hip protectors?

- Patients, who suffer from osteoporosis
- are afraid because you have already had a number of falls
- have never palyed much sport and are generally sedentary
- suffer from muscular weakness, balance disturbances and vertigo
- perform household chores and face trip hazards from carpets, steps and wet floors
- take medication, particularly tranquilisers and sleeping tablets, or drugs which lower blood pressure and blood sugar
- suffer from impaired hearing and vision

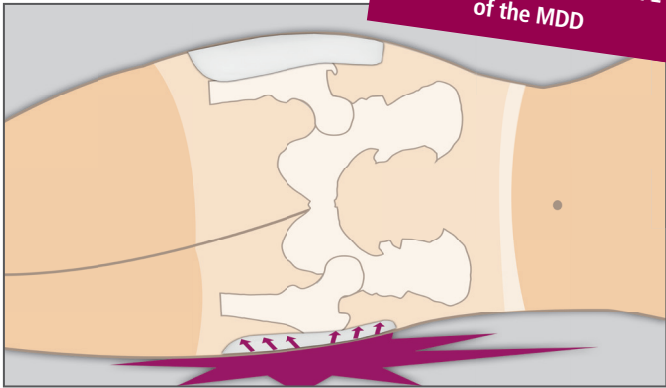
### ATTENTION!

Hip protectors can not prevent injury in every case.

# suprima hip protectors

The suprima hip protector offers an effective protection against hip fractures and injuries in the event of a fall. The pant has protector pockets on the right and left side which are exactly positioned to hold the protectors. The protectors fit perfectly into the pant without being bulky. The hip protector pant is knitted seamless and is long lasting. Due to its light compression the pant provides a perfect fit and security. The wide waistband is very comfortable. Functional and comfortable – the hip protector offers the user the highest level of protection when being active as well as lying down.

## The facts at a glance



The hip protector absorbs the forces acting on the fall.

- ✓ suprima protectors are certified according to the European test standard **CE EN 1621-2**.
- ✓ The affecting force is slowed and weakened. The impact energy on the thigh neck is reduced by the protector and distributed to the surrounding soft tissue.
- ✓ Viscoelastic material returns to its original state after a fall and protects immediately.
- ✓ Protectors are lightweight and comfortable to wear. Acceptance in the patient is very high (demonstrated by case study).

Registered as medical device according to § 25/30 Abs. 2 of the MDD

## Hip protector set 1492 - removable protectors



The protectors have to be removed before washing



STARTER-SET 1 hip protector pant + 1 pair of protectors	
material	58% cotton, 36% polyamide, 6% elastane
sizes	unisex (women and men): S–XXL
care	95°C, no fabric softener
color	white
Item No.	1492 001