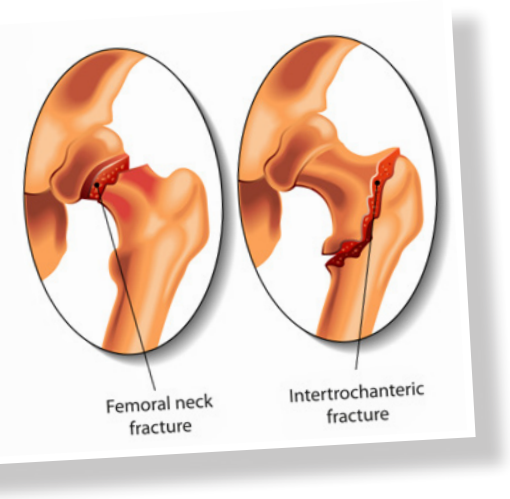
SAFEHIP® makes the difference

The risk of falling increases as we get older. In addition, between 30 and 40 percent[1] of healthy elderly people suffer falls. Every third person aged over 65 falls at least once a year. Bone fractures are a frequent consequence. In Germany, over 160,000 people sustain a femoral neck fracture every year[2], which is by far the most serious injury from a fall.

It can be life threatening for many elderly people. The consequences are painful and protracted treatment and a need for nursing care, which is often a threat to independence and impairs the quality of life. Approx. 50% of all femoral neck patients have to go into a nursing home afterwards.



Mobility before and 6 months after a femoral neck fracture (n=120)[3]		
People can	before the femoral neck fracture	6 months after the femoral neck fracture
…get dressed on their own	86%	49%
…get out of bed	90%	32%
…walk on their own	75%	15%
…walk with assistance	95%	74%
…climb the stairs	63%	8%
…walk 900 m	41%	6%

According to current research, there is scientific proof of the effectiveness of hip protectors for nursing home and rest home residents'. Hip protectors play a decisive role in preventing fractures near the hip joint - efficiently and cost-effectively[4]. This has been proven in several studies. However, protections differs in terms **of** degree of safety **and** comfort.

SAFEHIP® – the patent

PATENT BY TYTEX

Tytex was the first company to develop hip protectors in collaboration with doctors. In 1993, SAFEHIP was the first hip protector launched on the market – an innovation in fall prevention. SAFEHIP has been available with patented horseshoe technology since 2006. The horseshoe-shaped protectors support the body's natural function as they not only reduce the energy of the ball but also dissipate it to the surrounding soft parts. Since 2008 this patented hip protector has been available in 100% textile AirX material.

SAFEHIP® – clinically proven effectiveness

The effectiveness of SAFEHIP was proven worldwide in studies with 7,000 patients.
Detailed information is available at: www.safehip.com – the following are the most important studies:

1. Copenhagen 1993: Effect of external hip protectors on hip fractures, J.B Lauritzen, M.M Petersen, B-Lund. Over 20 years ago this study demonstrated that hip protectors can reduce the incidence of femoral neck fractures in nursing homes and rest homes.
2. Oslo 2008: Risk of hip fractures in soft protected, hard protected, and unprotected falls, H Bentzen, A Bergland, L Forsén, Oslo 2008 demonstrates in a randomised double study that femoral neck fractures were reduced by up to 64%. The study was performed with today's hip protector the SAFEHIP Classic.
3. In 2010 the Danish Ministry of Health expressly recommended the use of hip protectors. Its analyses had shown that up to 69% of hip fractures could be prevented and millions of euros could be saved in costs. www.sst.dk/mtv

CLINICALLY PROVEN
CLINICALLY TESTED ON MORE THAN 7000 INDIVIDUALS

[1] Frankfurter Diakonie-Kliniken, Fall Centre
[2] German Federal Statistical Office
[3] Martholi et al: Decline in physical function following hip fracture. JAGS 1992; 40:861-866
[4] Expert standard fall prophylaxis in a care environment

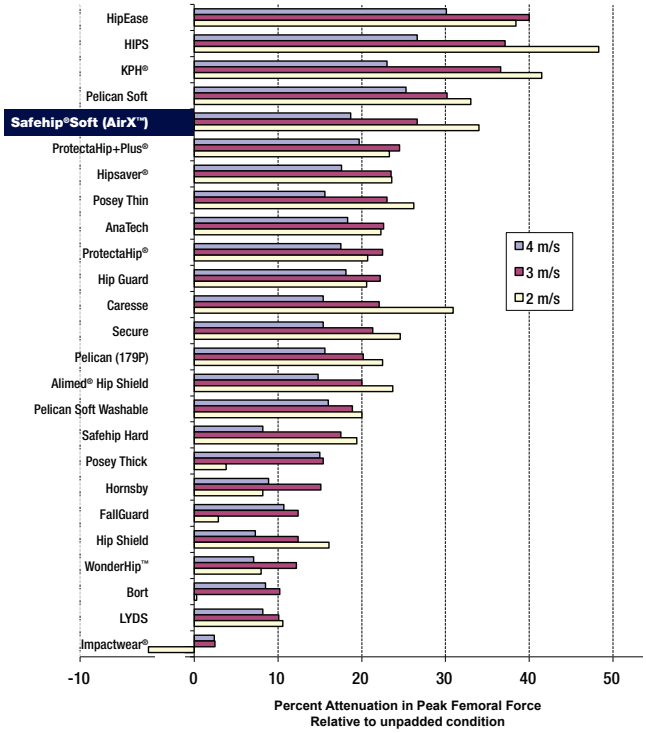
TYTEX®
MAKING HEALTHCARE MORE HUMAN

SAFEHIP® – biomechanically proven effectiveness

SAFEHIP has achieved outstanding results in numerous biomechanical tests

1. Simon Fraser University 2007: The SAFEHIP protector made from 100% textile AirX material has an even higher shock absorption than the SAFEHIP Classic
2. EMPA, Switzerland 2008. Test report no 448819. Result: Safehip AirX is clearly more breathable than other hip protectors and is therefore more preferable to wear
3. Journal of Biomechanics, 13 October 2011: The newest, most recently published biomechanical test, performed by Feldman, Laing, Tsai, Jalili and Robinovitc, shows the shock absorption of 25 hip protectors:

The results are shown the adjacent ranking. The hip protectors with the best absorption are at the top. The complete article was published in October 2011 (can be requested)[5].



SAFEHIP® AirX™ – the most modern hip protector in the world

Maximum safety

SAFEHIP AirX has also confirmed its high degree of safety in the most recent biomechanical test. To guarantee protection, it is important that hip protectors are worn correctly and willingly.

Maximum comfort

High wearing comfort

The 100% textile protectors of SAFEHIP AirX barely wear out.
The underpants have no bothersome seams or labels and the high proportion of elastane guarantees a perfect fit.

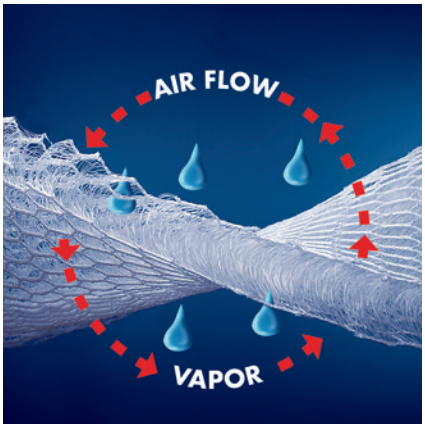
SAFEHIP AirX is the hip protector with the best breathability. This minimises the risk of redness and itchiness.
The patient has a dry and comfortable feeling at all times.

High handling comfort

The underpants are washable at 95°C complete with protectors and are dryer-safe.

The protectors don't have to be inserted and therefore always sit perfectly.

The protectors cannot be lost and this saves time for nursing staff.



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[5] Abstract name: comparison of the biomechanical performance of 25 different types of commercially available hip protectors by Feldman, F; Lang, A; Tsai, J; Jalili, M; Robinovitch, S N.