



Stephen N. Robinovitch, Ph.D.
Associate Professor
Canada Research Chair
School of Kinesiology
School of Engineering Science

8888 University Drive
Burnaby, British Columbia, Canada V5A 1S6
Telephone: 778.782.3566
Fax: 778.782.3040
Email: stever@sfu.ca

SIMON FRASER UNIVERSITY

TO: Tytex A/S

FROM: Stephen Robinovitch, Ph.D.

DATE: October 28, 2008

RE: Clinical effectiveness of SAFEHIP® AirX hip protector

The clinical effectiveness of SAFEHIP® Soft in preventing fractures was demonstrated in a recent clinical trial in Norway, involving more than 1200 participants and an 18 month evaluation period [1]. Since completing this clinical trial, the material used in SAFEHIP® Soft has been improved in two ways. First, the material has been modified so it has improved biomechanical performance in laboratory tests, in the sense that it provides an even greater reduction in the force applied to the bone during a fall. Second, it has improved washability, and can withstand a larger number of washing cycles without any decrease in biomechanical performance. Both of these improvements are incorporated in the new SAFEHIP® AirX.

In summary, the new SAFEHIP® AirX has improved material properties and biomechanical performance in laboratory studies, when compared to the soft shield used in the Norway trial. The material is more flexible and breathable, and there is minimal change in the surface area of the protector. Therefore, the clinical results of the Norway study can be regarded as applicable for the new SAFEHIP® AirX.

[1] Risk of hip fractures in soft protected, hard protected and unprotected falls. H. Bentzen, A. Bergland and L. Forsén. Injury prevention 2008;14;306-310

Sincerely,

A handwritten signature in blue ink, appearing to read "Stephen Robinovitch".

Stephen Robinovitch, Ph.D.