

47% of nursing staff suffer from back pain.*



Musculoskeletal disorders remain the most common work-related disease in the European Union (EU)*.

MAIN CONCLUSIONS AND RECOMMENDATIONS:

- Patient handling is the most substantial risk factor for low-back pain in nursing personnel. A **higher number of daily patient transfers** increases the risk of a back injury, both for hospital and home care staff.
- The National Institute of Occupational Safety & Health (NIOSH, US) recommends that the peak compression force of the low back should not exceed 3400 newtons during work. Biomechanical studies show that this safety limit is exceeded in many cases, especially in situations where healthcare workers **manually attempt to lift or move the patient and work situations with a bent or twisted back.**
- Moving and lifting patients is an inherent part of daily work for many health professionals in the EU, for example for older, obese or disabled patients, but good technique with **consistent use of assistive devices helps to partially reduce the excessive risk.**



* Facts from Lars L. Andersen, MSc, PhD, for European Agency for Safety and Health at Work. EU-OSHA. Musculoskeletal disorders in the healthcare sector [2020]. (www.osha.europa.eu)**



The power of compressed air in hospital care

Turning patients from supine to prone position remains a technically and ergonomically difficult task, especially with patients weighting over 80kg (175lb).

A patient under general anaesthesia should not be tilted by yourself. The Inflatable Board (IBO) is the ideal device for the safe and controlled tilting of patients. An ergonomic breakthrough in hospital care.

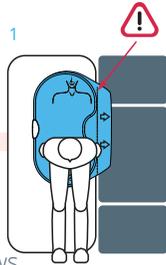
Request product info or a demo?

info@ergotrics.com • www.ergotrics.com/product/ibo/?lang=en

Easy to use

STEP 1

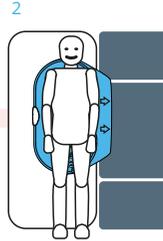
Place the IBO on the bed with the flexible part and the arrows on the tilting side.



STEP 2

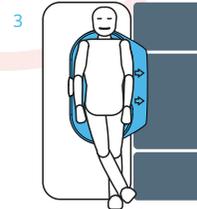
Place the patient on the IBO in supine position.

Make sure the entire trunk (thorax and abdomen) is on the IBO.



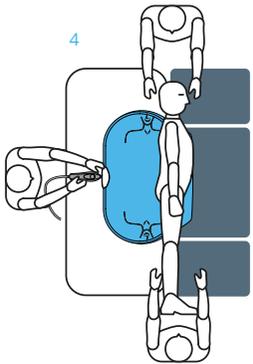
STEP 3

Cross the patient's ankles: the ankle of the lifting side over the ankle of the tilting side.



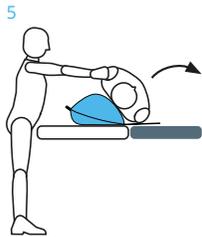
STEP 4

Inflate the IBO using the Hummingbird. Hold the valve of the IBO with one hand while you push the HMB against it with your other hand. Inflation of the IBO automatically stops when it is fully inflated and the pressure relief valves open.



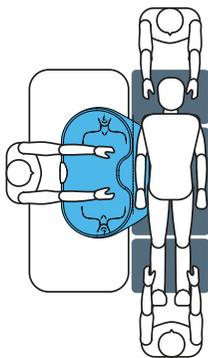
STEP 5

Inflating the IBO brings the patient to a lateral position. The patient can now be gently rolled into prone position.



STEP 6

Hang the IBO on a hook, it will deflate automatically. If necessary, the IBO can be cleaned with a soft cloth using isopropyl alcohol, chlorine dioxide or quaternary ammonium.

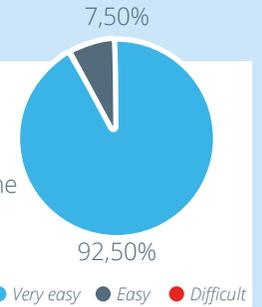


What do our users say*?



100%

say it is (very) easy to inflate the IBO with the Hummingbird



90%

needed minimal force to tilt the patient with the IBO.

97%

would have needed 3 or more nurses to tilt the same patient without the IBO



“You have to lie on it yourself. It's like being rocked to sleep.”

nurse during demo in Freiburg, Duitsland

“There are weight limits for cement bags and suitcases (max. 25 kg/55lbs), but there are no regulations for nurses who have to tilt patients of 100 kg (220lbs) and more.”

100%

find the hygiene of the IBO good or acceptable



95%

would recommend our products to colleagues

* According to the user study OPPE (Optimisation of the Proning Procedure in Europe) in 2019-2020. The OPPE project, supported by VLAIO, tested the Ergotrics products in 10 different hospitals in 5 different countries. In each hospital we positioned 2 to 5 patients.