

tournIQ®

SINGLE-USE

Single-use - Hygienic and minimizes risk for contamination

Optimal pressure indication - Gives larger and more palpable veins

User-friendly - Easy to use and comfortable for patients

Sustainability - Recyclable material and weighing less than 1 gram

tournIQ®

The **smart** tourniquet.
Defining best practice for IV access!

PRODUCT RANGE

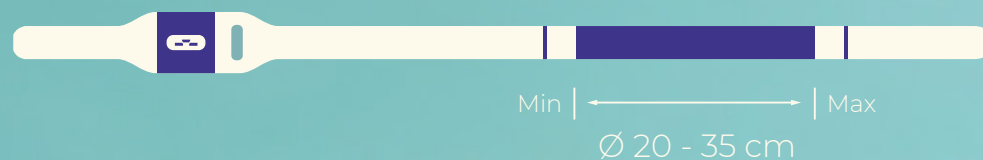
LARGE (coming soon)

Adapted for lower limbs and arms with a large circumference.



STANDARD

Suitable for most patients. Arms of small to medium size circumference.



PEDIATRIC (coming soon)

Developed specifically for pediatric patients, for limbs with a very small circumference.



AN OLD PROBLEM

Intravenous access is the most common invasive procedure and the **foundation of modern healthcare**. Everything from a simple blood sample to complex infusions of life-saving drugs - it all starts with gaining access to the bloodstream.

Every year there are an estimated **6 billion attempts** at gaining IV access in the U.S. and Europe. But despite being so common, IV attempts **often fail**¹, causing unnecessary pain and huge costs.

Venous tourniquets are used for nearly all IV procedures, but usage is highly subjective and varies greatly, which often results in **sub-optimal conditions** contributing to failed attempts and **inconsistent patient care**.

THE COMPLICATIONS

Inconsistent procedures and increased risk of failed IV attempts:

- Increased patient discomfort
- Wasted time for clinicians
- Reduced quality of care
- Increased hospital costs

A NEW SOLUTION

tournIQ® is a **single-use** device with an integrated pressure-indicator that allows users to apply **objective optimal pressure**, irrespective of the clinician's level of experience. Optimal pressure results in **increased vein visibility, palpability, and size** – the most important addressable factors for successful IV access.^{2,3,4,5,6}

With **hygienic and consistent behavior**, users can be confident in achieving optimal conditions for all IV procedures. Introducing **reproducibility**, lets caregivers' **quality assure** both staff competency and patient safety.

tournIQ® is made of recyclable paper-like Tyvek®, weighing less than 1 gram, making it a **more sustainable choice**.

THE BENEFITS

Reproducible IV access procedures and hygiene compliance:

- + Patient and clinician satisfaction
- + Best practice
- + Quality assured care
- + Cost savings

STUDIES SHOW TOURNIQUET PRESSURE AFFECTS KEY FACTORS FOR SUCCESSFUL IV ACCESS...

Research on 1000+ patients has determined the top factors that predict the risk of failed IV attempts (A-DIVA score)²

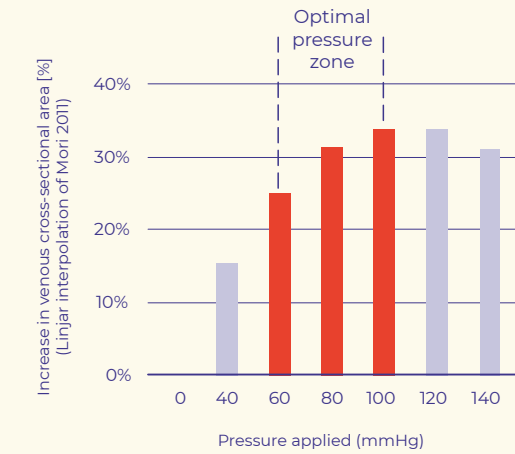
3 of 5 factors are influenced by tourniquet pressure

Risk factor (failed IV access)	Score 1 or 0	Risk
Is vein not palpable?	1	4.94
Is vein not visible?	1	3.63
Vein diameter <2mm?	1	3.37
Emergency surgery indication?	1	4.86
Previous difficult IV access?	1	3.86

Risk group (failed IV access)	Total Score	% failed
High	4-5	93 %
Medium	2-3	37 %
Low	0-1	5 %

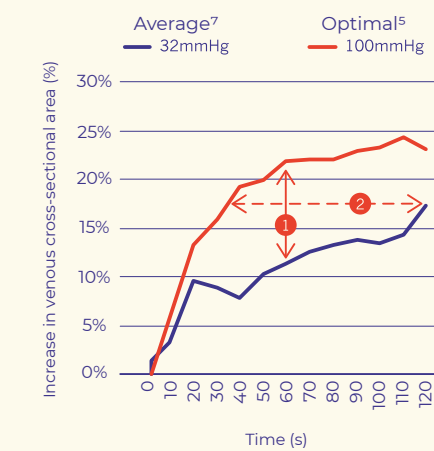
...AS OPTIMAL PRESSURE GIVES QUICKER AND GREATER DILATION

Increase in venous cross-sectional area at 60 seconds using different pressures³



TOURNIQUET OPTIMIZES VENOUS DILATION...

Average applied pressure vs pressure within the optimal zone

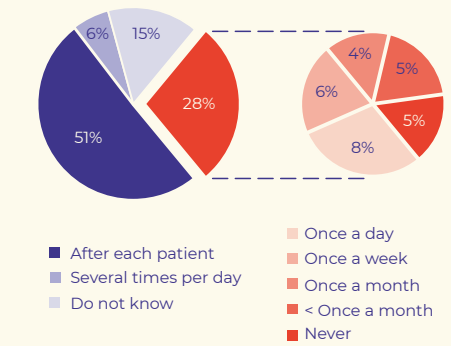


1 2X Greater dilation 2 4X Faster dilation

...AND ASSURES GOOD HYGIENE COMPLIANCE

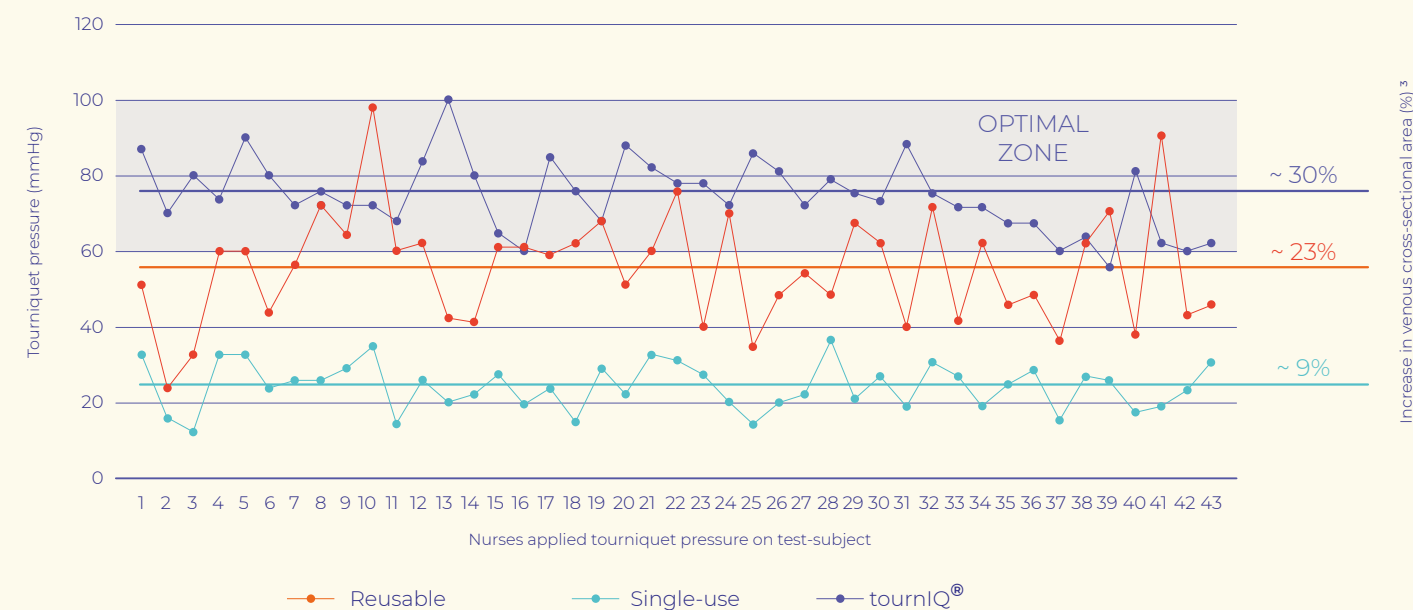
Over 30% of Swedish caregivers do not follow the hygiene guidelines for reusable tourniquets⁸

- How often do you clean your reusable tourniquet?



'TOURNICHECK' MEASURES YOUR DEPARTMENTS TOURNIQUET APPLICATION SKILLS, TO QUALITY ASSURE STAFF COMPETENCY AND PATIENT SAFETY.

Applied pressure with tournIQ® compared to other market-leading tourniquets⁶



Increase in venous cross-sectional area (%)³

INSTRUCTIONS FOR USE

- Loop tournIQ around the arm, and through the opening.
- Arm fits in range = correct position and choice of tournIQ size.
- Peel of the adhesive cover on the back.
- Pull both ends to apply pressure - stop and hold when indicator lines are aligned.
- Maintain tension and lock tournIQ by securing the adhesive end.
- tournIQ is easily released with one hand.

Instruction video

1. Sabiri et al. 2013; 2. Van Loon et al 2016; 3. Mori et al. 2011; 4. Ortrud product-test, data on file (2017); 5. Ortrud Ultrasonic test, data on file (2016); 6. Ortrud pressure-test with SE health care professionals (2019); 7. Ortrud pressure-test with SE and UK health care professionals, data on file (2016); 8. Ortrud online-survey with 243 SE health care professionals, data on file (2015)