mermaid medical

TP PIVOT PRO™
Catalogue

CIVCO

TP PIVOT PRO™

TP Pivot Pro™ - A Smarter Approach to Prostate Biopsies

TP Pivot Pro™ is a single-use, ultrasound-guided needle guide developed to support the minimally invasive, freehand transperineal biopsy approach. Created in collaboration with clinicians, it's designed to optimize prostate biopsy procedures by improving access to all prostate zones while reducing the number of perineal puncture sites.
Compared to grid-based systems, it offers lower the risk of infection.

Its pivoting coaxial needle enables a 20-degree adjustment from the initial path, facilitating better access across the prostate gland. Needle height can be adjusted during the procedure without removing the needle from the guide or patient, improving both precision and efficiency. The system is compatible with a range of biplane ultrasound probes and secures firmly without the need for tape or adhesive.

TP Pivot Pro™ provides clinicians with enhanced control and supports an efficient workflow for transperineal prostate biopsies, which are shown to improve patient comfort.[1]

Part of a Broader Men's Health Portfolio

Our portfolio also includes endocavity needle guides designed for procedures such as transrectal biopsies, fluid aspirations, and marker placements, supporting precision and confident outcomes.

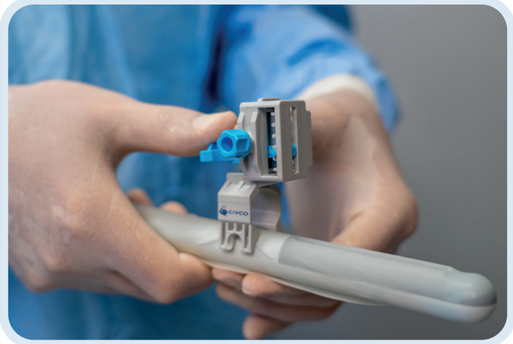
These products can be found in our Men's Health, Ultrasound Needle Guidance, and Probe Covers catalogues.

PROSTATE

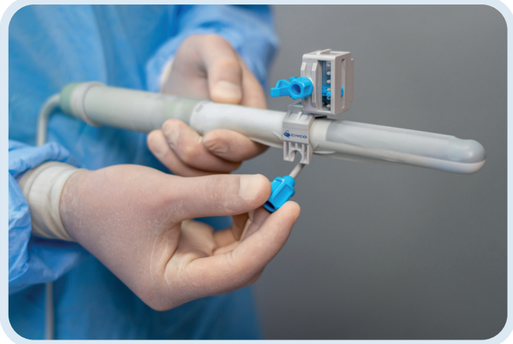
Mermaid Medical Group is a Nordic, privately owned company established in 2007 and headquartered in Copenhagen, Denmark. We develop, manufacture, and distribute medical devices to hospitals and end users across Europe, the U.S., and Asia. We primarily work within solutions to diseases in the vascular system as well as other devices used in interventional radiology. We strive to be the preferred partner for manufacturers as well as hospitals and healthcare professionals.

[1] Ngu I. S. Ngooi M. S. Ng H. K. Tee K. T. L. Loo C. H. & Lim M. S. (2023). Freehand transperineal prostate biopsy with a coaxial needle under local anesthesia: experience from a single institution in malaysia. Cancer Pathogenesis and Therapy 33–39. https://doi.org/10.1016/j.cpt.2022.12.001

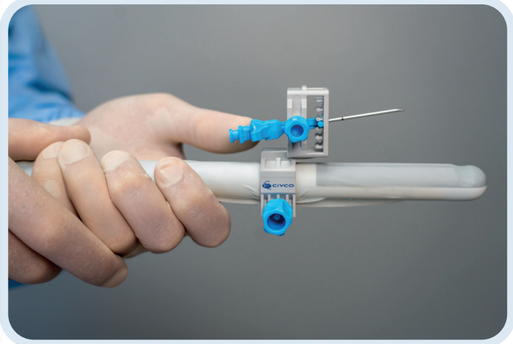
One-of-a-kind feature set designed for top perfomance



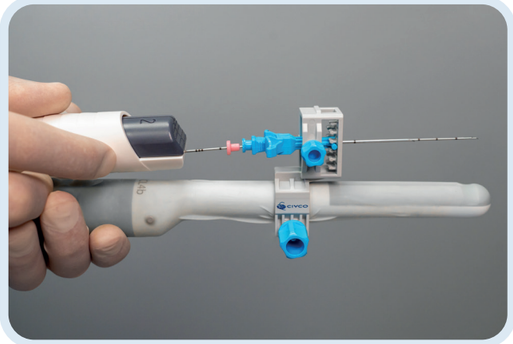
- Designed to fit range of biplane ultrasound probes.
- Secure, no-tape attachment on transducer.



- Adjustable transducer clamping knob.
- Stable attachment provides consistent needle visualization.

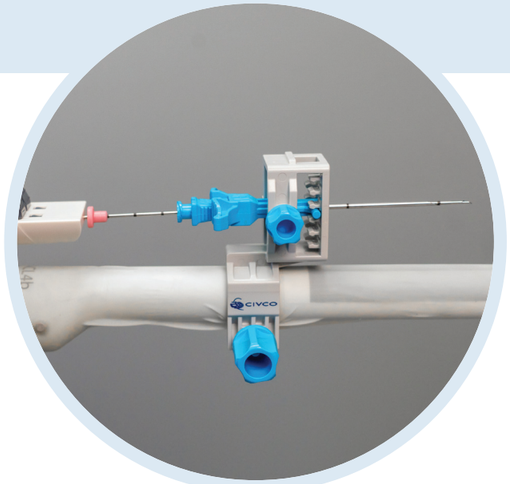


- Co-packed coaxial/introducer needle.
- Fewer punctures compared to non-minimally invasive systems like grids or tower guides.
- Five height settings for procedural flexibility.
- Height and angle adjustments without removing the needle from the patient or guide.



- Pivoting needle improves access to anterior/posterior zones of the prostate zones.

TP PIVOT PRO™



Designed with Clinicians, for Clinicians

TP Pivot Pro™, developed by CIVCO Medical Solutions, enables a minimally invasive approach to transperineal prostate biopsies under ultrasound guidance. Its pivoting coaxial needle allows controlled angling within the imaging plane, improving access to anterior/posterior zones of the prostate zones.

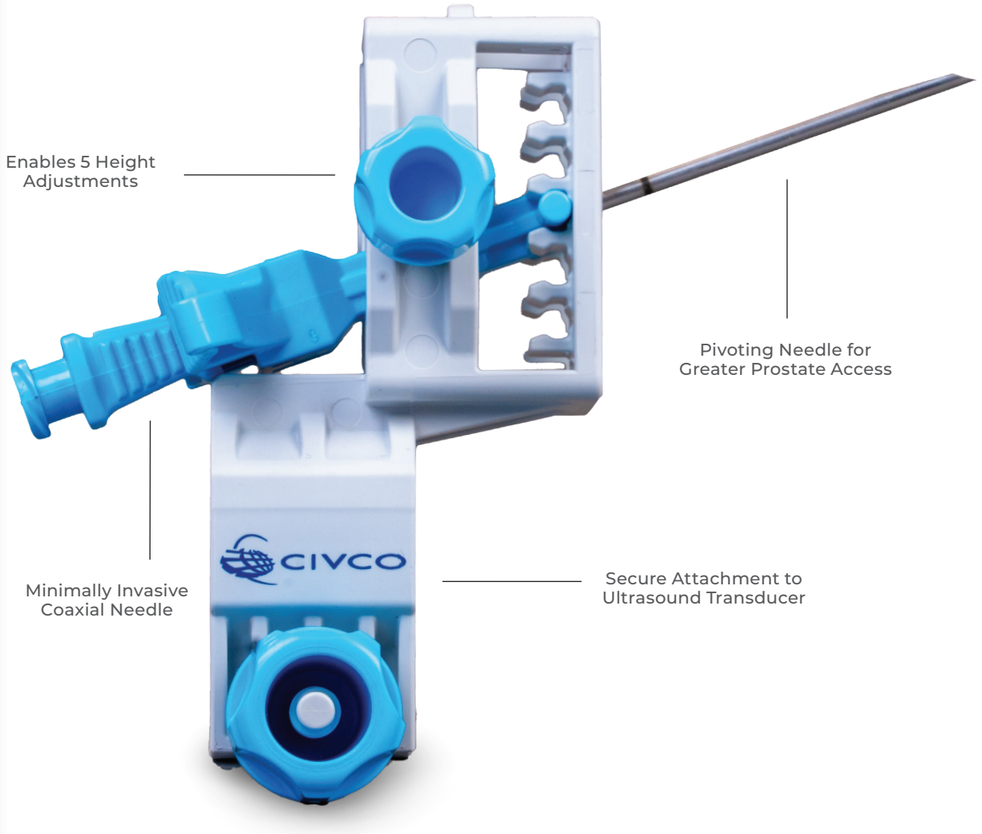
Compared to the transrectal approach, the transperineal method has been shown to reduce infection risk, improve access to the full prostate gland, and potentially eliminate the need for antibiotics altogether.[2]

Developed with input from clinicians, the guide is compatible with a range of biplane ultrasound probes and features a secure attachment system that requires no taping. The single-use design eliminates the need for reprocessing and reduces the risk of cross-contamination.

Features:

- Suitable for use under local anesthesia or sedation.
- Five height settings to accommodate anatomical variation.
- Secure transducer attachment - no taping required.
- Pivoting coaxial needle for flexible access.
- Needle adjustments without removing the guide or repositioning the probe.
- Compatible with a range of biplane ultrasound probes.
- Single-use device for enhanced safety and efficiency.

[2] Transrectal vs. Transperineal Approach for Prostate Biopsy (Focal Healthcare) Cheng E Davuluri M Lewicki PJ Hu JC Basourakos SP. Developments in optimizing transperineal prostate biopsy. Current opinion in urology. 2022:85-90. doi:10.1097/MOU.0000000000000947



TP PIVOT PRO™

Streamlined Workflow

TP Pivot Pro™ is designed to support streamlined prostate biopsy procedures while maintaining imaging precision, allowing controlled height and angle adjustments during use.

- Needle height and angle adjustments made without removing the guide or needle from the patient, supporting smooth workflow and consistent positioning.
- The pivoting needle mechanism supports access to anterior and posterior regions of the prostate while maintaining alignment with the imaging plane.
- Secure attachment to a wide range of biplane ultrasound probes eliminates the need for adhesive materials or probe taping.

Clinical Advantages of the Transperineal Approach

The transperineal biopsy method has been shown to improve outcomes compared to the transrectal approach:

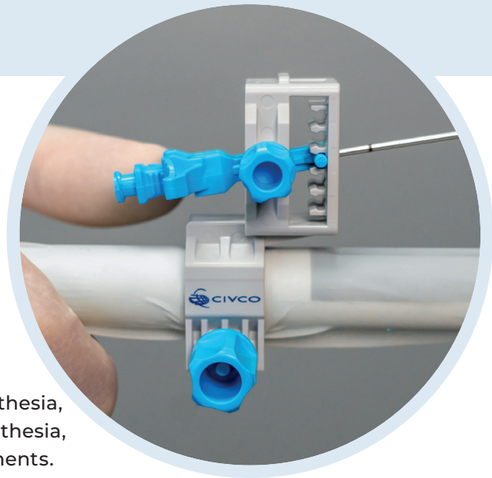
- Reduces the risk of infection and rectal bleeding.[3]
- Lowers complication rates without the use of prophylactic antibiotics, particularly quinolones.
- Reduces the risk of urosepsis and related hospitalizations.[4]
- Improves sampling of the anterior prostate.[5]
- Better detection of clinically significant disease and anterior tumors.[6]

This technique also aligns with European guidelines, which support freehand transperineal biopsies as a preferred alternative to transrectal procedures.[2]

[2] Transrectal vs. Transperineal Approach for Prostate Biopsy (Focal Healthcare) Cheng E Davuluri M Lewicki PJ Hu JC Basourakos SP. Developments in optimizing transperineal prostate biopsy. Current opinion in urology. 2022:85-90. doi:10.1097/MOU.0000000000000947

[3] Basourakos SP Alshak MN Lewicki PJ et al. Role of prophylactic antibiotics in transperineal prostate biopsy: a systematic review and meta-analysis. European urology open science. 2022:53-63. doi:10.1016/j.euros.2022.01.001

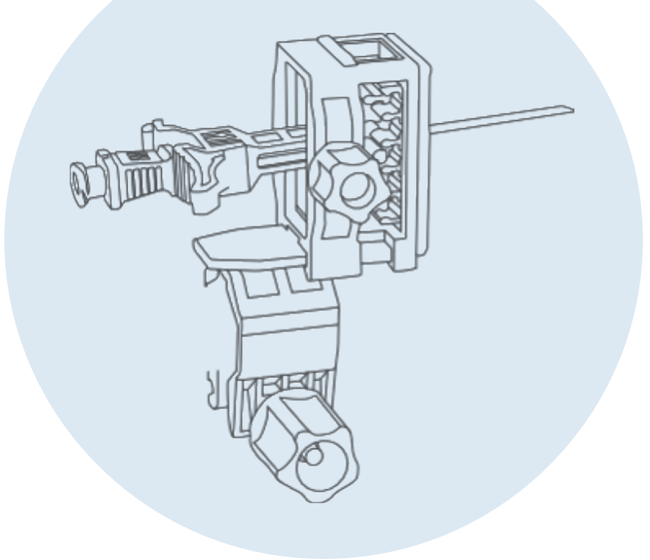
[4] Ultrasound-guided transperineal prostate biopsy (Mayo Clinic)



Provider Economics

Freehand transperineal prostate biopsies can be performed in-office under local anesthesia, reducing costs associated with general anesthesia, operating rooms, and reprocessing requirements.

- Lowers overall procedural costs by avoiding general anesthesia and surgical setup.
- Reduces infection-related expenses by minimizing the risk of post-biopsy complications.[7]
- Supports higher procedural efficiency with a single-use, no-reprocessing device.
- Enables cost-effective adoption of transperineal techniques in outpatient settings.



[5] Wang L Lu B He M Wang Y Wang Z Du L. Prostate cancer incidence and mortality: global status and temporal trends in 89 countries from 2000 to 2019. Frontiers in public health. 2022. doi:10.3389/fpubh.2022.811044

[6] Key Statistics for Prostate Cancer (American Cancer Society)

[7] Thomson A Li M Grummet J Sengupta S. Transperineal prostate biopsy: a review of technique. Translational andrology and urology. 2020:3009-3017. doi:10.21037/tau.2019.12.40

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Ordering Information

Ref no.	Description	Qty/box
610-1553	TP Pivot Pro™ Sterile Transperineal Biopsy Guide and Introducer Needle	5
610-1554	TP Pivot Pro™ Sterile Transperineal Biopsy Guide and Introducer Needle with 2.6 x 30 cm sterile NeoGuard cover, not made with natural rubber latex	5
610-1556	TP Pivot Pro™ Sterile Transperineal Biopsy Guide and Introducer Needle with 2.0 x 30 cm sterile NeoGuard cover, not made with natural rubber latex	5
610-1558	TP Pivot Pro™ Sterile Transperineal Biopsy Guide and Introducer Needle for **small diameter** transducers with 2.0 x 30 cm sterile NeoGuard cover, not made with natural rubber latex	5

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