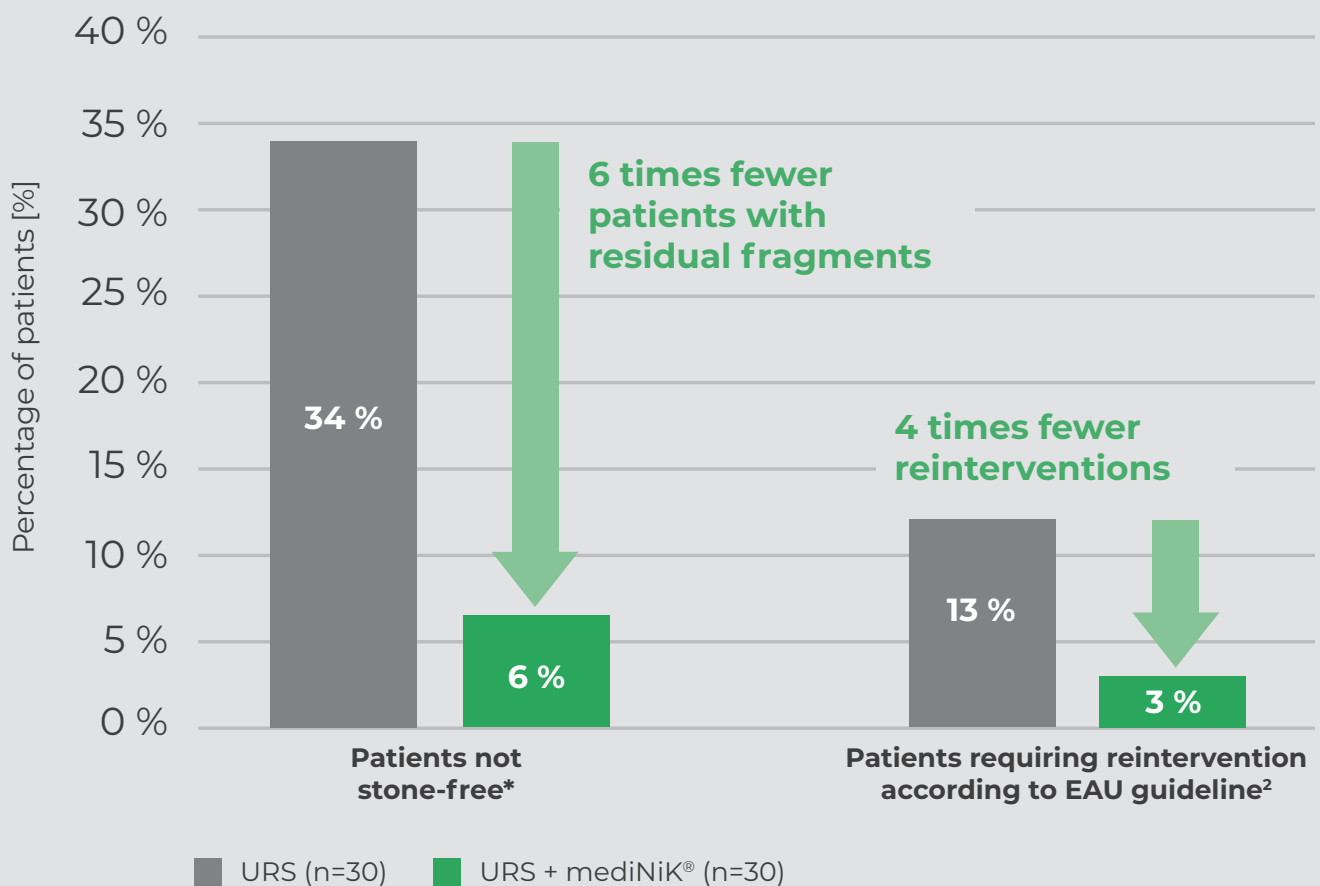


Standard of Care **ureterorenoscopy** with lithotripsy **versus combination** with the **Hydrogel method** for **kidney stone removal**: an open, randomised, monocentric study¹

Ongoing clinical study (2025)

STONE FREEDOM AND REINTERVENTIONS AFTER URS WITH mediNiK®



*Stone freedom = grade A, no stones on CT scan, from Journal of Endourology³

6 times fewer patients with residual fragments
4 times fewer reinterventions with mediNiK®

Suction mediNiK® Assisted Stone Harvesting: SMASH study in humans (retrospective)⁴

mediNiK®
suction study
(2025)

After the combination of mediNiK® and suction sheath (FANS*)

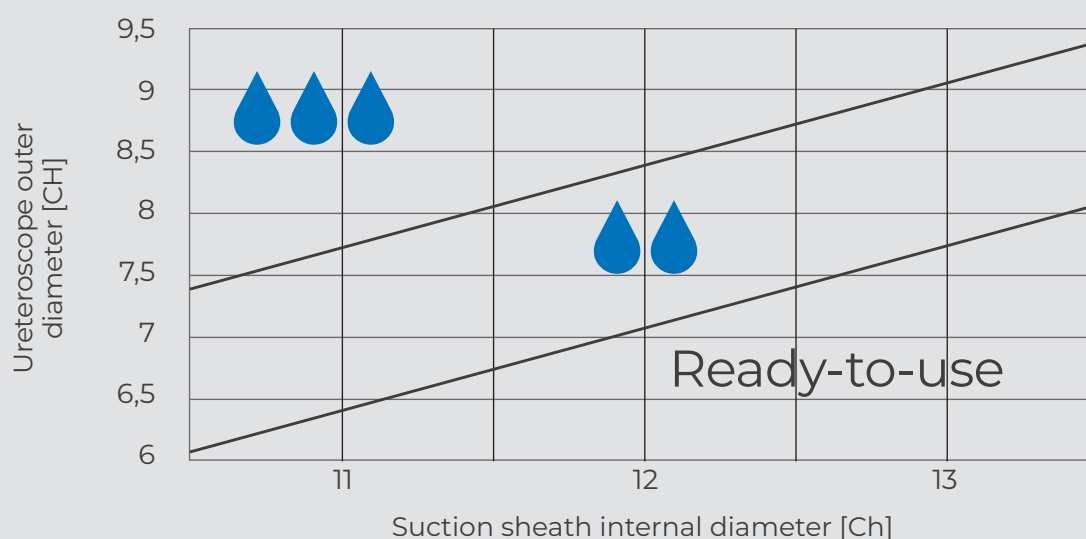
Number of stone-free patients: 100 %**

* Flexible and Navigable Suction Ureteral Access Sheath

**Stone freedom = grade A, no stones on CT scan, from Journal of Endourology²; 15 of 15 patients

The combination of mediNiK® and suction sheath (Flexible and Navigable Suction Ureteral Access Sheath = FANS) achieves 100 % stone freedom in all patients treated to date.

USE OF MEDINIK® WITH SUCTION (IN-VITRO)⁵



Ready-to-use = mediNiK® can be used directly

💧 = K1 should be diluted with approx. 2 ml 0.9 % NaCl

💧💧 = K1 should be diluted with approx. 3 ml 0.9 % NaCl

Recommendation
for use of
suction with
mediNiK®

When the gap between the suction sheath and ureteroscope is small mediNiK® K1 can be diluted for improved application.

Optimised mediNiK® in the first operation uses

Recent
operation
successes

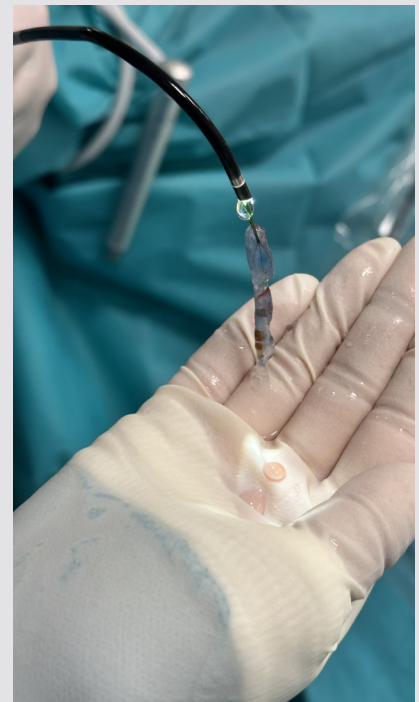
BACKGROUND

Properties of mediNiK® were optimised:

- Faster gel formation
- Greater gel strength
- Better wetting of the fragments

RESULT

	Markedly worse	No difference	Markedly better
Strength			●
Hydrogel cohesion			●
Flexibility		●	
Retrieval time			●
Retrieval from the kidney			●
Retrieval from the renal pelvis			●
Stone embedding			●
Wetting			●
Summary assessment			●



Urologists' assessment of optimised mediNiK® after first applications in patients.

Hydrogel clot with mediNiK® after operation

CONCLUSION:
mediNiK® is now even faster and more efficient.



If you are interested, arrange an appointment for operation demonstrations at **info@farco-pharma.de**



You will find downloads on instructions for use, videos, tips & tricks, FAQs and further information at **www.medinik.de/en**



Fewer reinterventions



Increased suction efficiency



Optimised according to practical experience



SOURCES —

1. ClinicalTrials.gov: Standard of Care Ureterorenoscopy with Lithotripsy Versus in Combination with the Hydrogel Method for Kidney Stone Removal: An Open, Randomized, Monocentric Study. NCT06469736. As of: 2nd September 2025.
2. EAU Guidelines, Edn. Presented at the EAU Annual Congress Madrid 2025. ISBN 978-94-92671-29-5
3. Mary Ann Liebert, Inc., publishers. Manuscript Submission Guidelines and Policies for Journal of Endourology. New Rochelle (NY): Mary Ann Liebert, Inc.; 30. September 2024.
4. Abstract for the ICE congress Rome 2025
5. FARCO-PHARMA GmbH, Handout „When using mediNik with Suction Sheaths“, M_SS_082025_EN

M_SS_2_102025_EN

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