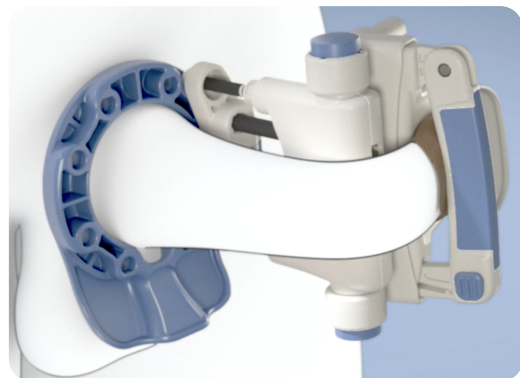


CLINICIAN GUIDE · PENILE TRACTION THERAPY

RestoreX & RestoreXL

Second-generation penile traction therapy, developed with Mayo Clinic — for Peyronie's disease, penile length restoration, and erectile function preservation after radical prostatectomy.



Traditional traction ("extender") devices ask patients for 2–12 hours of daily wear, which is where most real-world compliance is lost. RestoreX and RestoreXL were engineered around a different premise: a broader-surface clamp that safely tolerates higher force, so clinically meaningful traction is delivered in **30–60 minutes a day**.

Both devices share the same clamp and dynamic in-use adjustment mechanism. RestoreX adds a patented counter-bending function for curvature correction; RestoreXL omits it to offer a simpler, more accessible device for the larger length-restoration and post-prostatectomy population.

15 / 5

PUBLISHED STUDIES /
RCTS

30–60

MINUTES OF DAILY WEAR

43/73

SMSNA SPECIALISTS' TOP
PICK*

Mayo

CLINIC CO-DEVELOPMENT

ONE FAMILY, TWO DEVICES

MODEL #117

RestoreX

The full-feature device — for curvature and complex cases

- ✓ Peyronie's disease (curvature, indentation, hourglass)
- ✓ Penile length restoration
- ✓ Post-prostatectomy EF preservation
- ✓ Patented counter-bending mechanism

MODEL #118

RestoreXL

The accessible device — for length & post-RP recovery

- ✗ Not indicated for Peyronie's disease
- ✓ Penile length restoration
- ✓ Post-prostatectomy EF preservation
- ✓ Wider anatomical fit, 3–22 cm stretched length

How to use this guide: pages 2 and 3 summarise the clinical case for each device individually; page 4 gives a side-by-side comparison table and a quick decision guide for choosing between them.

MODEL #117

RestoreX

The only PTT device with a targeted, adjustable counter-bending mechanism — the clinically comprehensive choice for curvature, length, and post-prostatectomy patients.



FDA-CLEARED INDICATIONS

- Correct penile curvature or indentation / hourglass deformity
- Increase penile length
- Limit loss of erectile function post-prostatectomy

PATIENT FIT

- Males 18–75 years
- Stretched length 9.5–25.4 cm (3.75–10 in)
- 3–9 month course (5 months post-prostatectomy)
- 3-year device lifespan

THREE ENGINEERING INNOVATIONS



Displaced-force clamping mechanism

- Full-glans clamp spreads force over a broad surface — comfortably tolerates ~5.4 kg (12 lb), >3x first-generation extenders
- In-office comfort study (n=8): 100% of patients preferred RestoreX over Andropenis



Patented counter-bending — RestoreX exclusive

- Adjustable 0°–105°, directs corrective force at the site of curvature or plaque
- Ziegelmann 2019 RCT: counter-bending position was the key driver of curvature improvement (p<0.01)
- The single strongest clinical differentiator vs any competing device



Dynamic in-use adjustment + white-line indicator

- Lengthens while worn — no removal or reassembly needed mid-session
- Visual white-line marker confirms correct force is applied in real time

PIVOTAL EVIDENCE

+1.5 cm

Mean stretched length gain vs 0 cm control, p<0.001 — *Ziegelmann 2019, J Urol RCT, n=110 PD patients, 30 min/day × 6 months*

17.2°

Mean curvature improvement among responders (28.2%); 27% achieved >20° correction — *same trial*

+1.6 cm

Length to tip vs +0.7 cm control, p=0.02; ICI rescue therapy 19% vs 50% — *Toussi 2021, J Urol RCT, n=55 post-prostatectomy*

94%

TREATED PATIENTS GAINED
LENGTH

15/15

STUDIES SHOWING LENGTH
GAIN

12/12

STUDIES SHOWING CURVATURE
GAIN

43/73

SMSNA SPECIALISTS' TOP PICK*

MODEL #118

RestoreXL

The same proven clamp and dynamic-adjust mechanism as RestoreX, in a simpler chassis with a substantially wider anatomical fit — built for the larger length-restoration and post-prostatectomy population.



FDA-CLEARED INDICATIONS

- Increase penile length and/or prevent length loss from urological surgery or chronic disease
- Limit loss of erectile function post-prostatectomy

Not indicated for Peyronie's disease (curvature, indentation, or hourglass deformity) — refer these patients to RestoreX.

PATIENT FIT

- Males 18 years and older
- Stretched length 3–22 cm (1.2–8.7 in) — a substantially wider range than RestoreX
- 3–9 month treatment course
- 3-year device lifespan

SHARED ENGINEERING, ONE OMISSION BY DESIGN



Displaced-force clamping mechanism — inherited from RestoreX

- Same full-glans clamp; comfortably tolerates up to ~5.4 kg (12 lb) of traction force



Dynamic in-use adjustment + white-line indicator — inherited from RestoreX

- In-session lengthening without removal; real-time visual feedback on applied force



Counter-bending — intentionally omitted

- Curvature correction is not a RestoreXL indication, so the mechanism is left out
- Result: a simpler device, wider anatomical fit range, and a more accessible price point

EVIDENCE BASE

RestoreXL shares its mechanism family with RestoreX and inherits the evidence base for shared indications:

- **Toussi 2021** — post-prostatectomy length & EF preservation RCT
- **Dick 2023** — mechanism of EF preservation
- **Joseph 2020** — patient-preference data

WHICH PATIENTS SUIT RESTOREXL BEST

- Length-restoration or post-prostatectomy patients without curvature
- Men with significantly shortened anatomy who fall outside RestoreX's fit range
- Patients for whom a simpler device and lower cost improve adherence

Post-market experience: consistent with the safety and efficacy profile of RestoreX; no device-specific adverse events have been identified to date.

CHOOSING BETWEEN THE TWO DEVICES

RestoreX vs RestoreXL, at a glance

ASK FIRST

Does the patient have curvature, indentation, or an hourglass deformity (Peyronie's disease)?



Yes
RestoreX required

No
RestoreXL suits most

Attribute	RestoreX (#117)	RestoreXL (#118)
Peyronie's disease indication	Yes	No
Length restoration indication	Yes	Yes
Post-prostatectomy EF preservation	Yes	Yes
Counter-bending mechanism	Yes — adjustable 0–105°	No — by design
Stretched length range	9.5–25.4 cm (3.75–10 in)	3–22 cm (1.2–8.7 in)
Age range	18–75 years	18 years +
Max traction force	~5.4 kg (12 lb)	~5.4 kg (12 lb)
Recommended daily wear	30–60 min, 1–2×/day	30–60 min, 1–2×/day
Treatment course	3–9 months	3–9 months
Device lifespan	3 years	3 years
Design	Full feature set	Simplified — no counter-bend

FDA-cleared · Class II

CE marked

Registered in 46+ countries

Non-implantable · no consumables

TOTAL PUBLISHED EVIDENCE BASE

15

PUBLISHED STUDIES

5

RANDOMISED CONTROLLED
TRIALS

15/15

SHOW LENGTH IMPROVEMENT

12/12

SHOW CURVATURE
IMPROVEMENT

RestoreX is the most clinically studied penile traction device published to date, with the only US RCT evidence for Peyronie's disease, post-prostatectomy length preservation, and post-prostatectomy erectile function preservation. RestoreXL shares this evidence base for the indications the two devices hold in common.

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