



Is the current guidance for the clinical management of cryptorchidism up-to-date and based on the latest research findings?

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GUIDELINES

- **2007** Nordic consensus on treatment of undescended testes
- **2018 (2014)** American Urological Association (AUA) Guideline
- **2024 (2001)** The European Association of Urology (EAU) Guidelines on Paediatric Urology

“OLD BUT GOLD”?

- Nordic consensus – 18 years
- AUA Guideline – 7 (11) years
- EAU – 24 years BUT **periodically assessed and updated, latest in 2024**

OTHER GUIDELINES BASED ON THE 3 MENTIONED ABOVE (e.g.):

- **2017** Canadian Urological Association-Pediatric Urologists of Canada (CUA-PUC) guideline for the diagnosis, management, and followup of cryptorchidism
- **2025** The National Endocrinology Committee of the Sociedad Argentina de Pediatría. Criptorquidia: una revisión de los avances más recientes en su diagnóstico y tratamiento Cryptorchidism: An update of advances in its diagnosis and treatment

GOLD STANDARD - ORCHIDOPEXY

	NORDIC CONSENSUS	AUA GUIDELINE	EAU GUIDELINE
ORCHIDOPEXY TIME (AGE, MONTHS)	6-12 or when diagnosed (if later)	6-18	6-12 (18)
HORMONAL TREATMENT FOR DESCENT	No	No	No
HORMONAL TREATMENT FOR FERTILITY PRESERVATION	No	No	GnRH analogues for boys with bilateral undescended testes

SURGICAL TREATMENT – NOT ENOUGH

- Hadziselimovic F, Herzog B. The importance of both an early orchidopexy and germ cell maturation for fertility. *Lancet*. **2001**;358(9288):1156–7.
- Hadziselimovic F. Early successful orchidopexy does not prevent from developing azoospermia. *Int Braz J Urol*. **2006**;32(5):570–3.
- Trsinar B, Muravec UR. Fertility potential after unilateral and bilateral orchidopexy for cryptorchidism. *World J Urol*. **2009**;27(4):513–9.
- van Brakel J, Kranse R, de Muinck Keizer-Schrama SMPF, Hendriks AEJ, de Jong FH, Bangma CH, et al. Fertility potential in men with a history of congenital undescended testes: a long-term follow-up study. *Andrology*. **2013**;1(1):100–8.
- Adomaitis R, Vincel B, Eidukaite A, Ostaneviciute E, Kirka R, Bilius V, et al. Consequences of bilateral cryptorchidism in adults. *Andrologia*. **2016**;48(9):933–8.
- Hildorf S, Clasen-Linde E, Cortes D, Fossum M, Thorup J. Fertility potential is compromised in 20% to 25% of boys with nonsyndromic cryptorchidism despite orchiopey within the first year of life. *The Journal of urology*. **2020**; 203(4):832-840.

RIGHT TIME FOR GUIDELINE UPDATE?

THANK YOU!

COMPLEX CRYPTORCHIDISM TREATMENT: SURGERY + HORMONAL THERAPY

Should treatment of cryptorchidism be complex?

INFERTILITY RISK ASSESSMENT: TESTICULAR BIOPSY

Should testicular biopsy be obtained routinely during orchidopexy in all cases of cryptorchidism?

Should testicular biopsy be preserved for bilateral cases only?

Should testicular biopsy be performed only in cases when adjuvant hormonal treatment would be implemented?

SUPPLEMENTARY HORMONAL TREATMENT: TIMEFRAME

When hormonal treatment should be implicated:
before or after orchidopexy?

