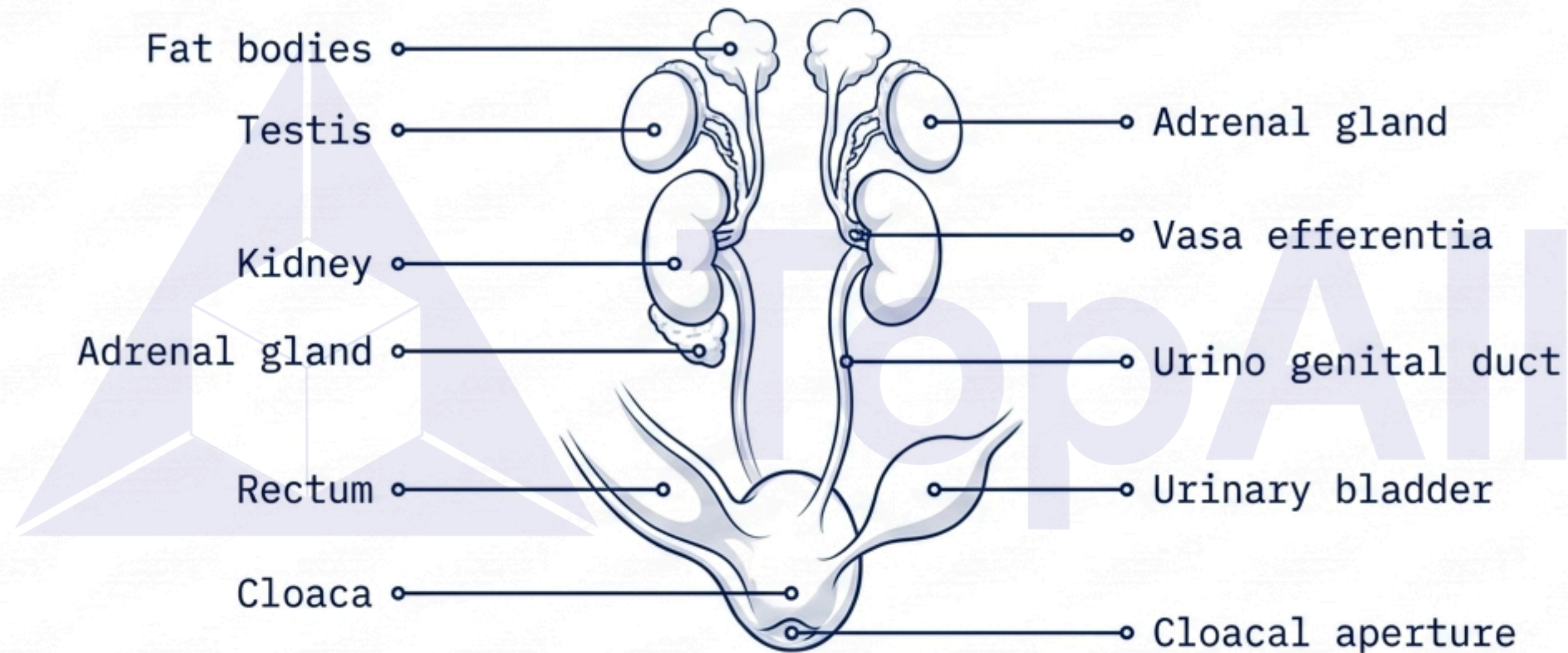




From Testes to Cloaca

The Structural Anatomy and Pathway of the Male Frog Reproductive System

Male Reproductive System Overview



Unlike females, male frogs share a common duct for both the excretory and reproductive systems.

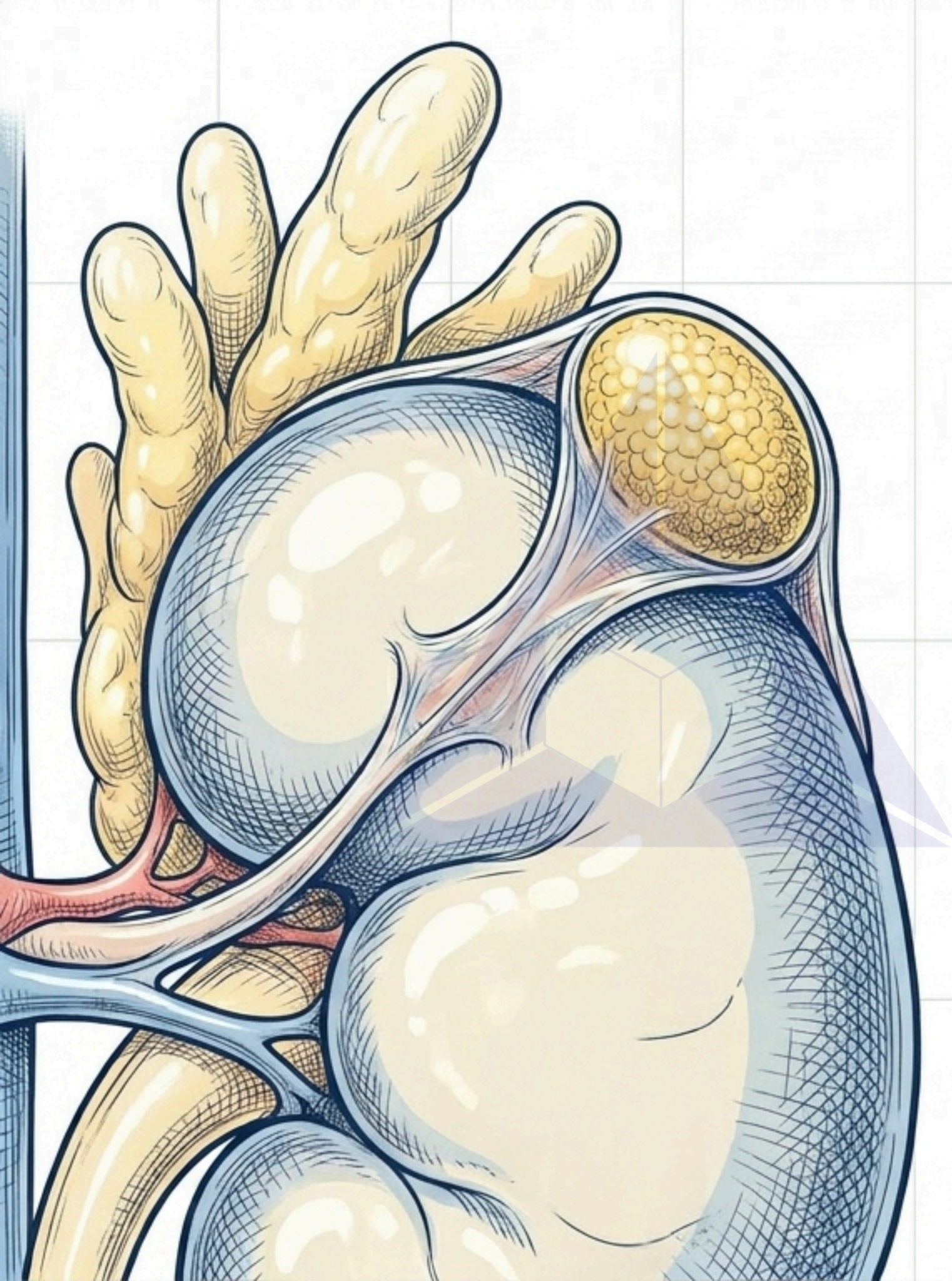
1. Testes & Mesorchium

A The Testes

A pair of yellowish, ovoid structures functioning as the primary site of sperm production.

B The Mesorchium

A double fold of the peritoneum. This tissue acts as a crucial physical anchor, strongly adhering the testes to the upper part of the kidneys.





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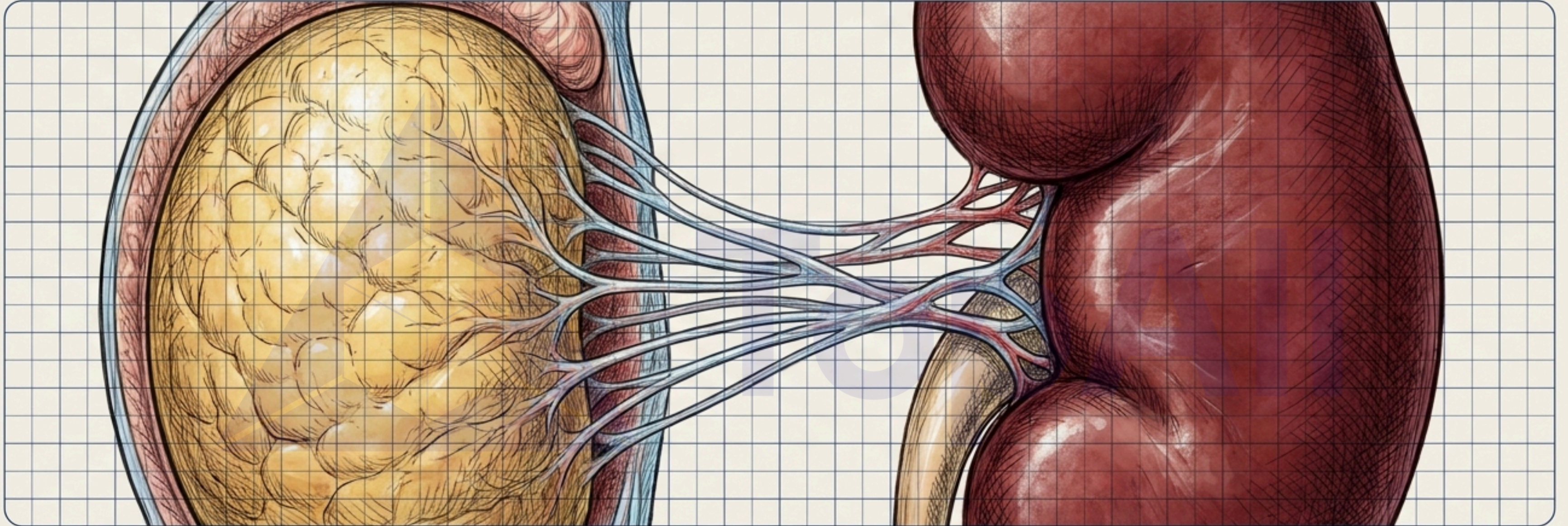
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2. Vasa Efferentia



Origin

10 to 12 fine ducts arising directly from the testes.



Transit

Traveling outward, bridging the physical gap between the reproductive and excretory organs.



Destination

Entering the kidneys on their respective sides to pass the reproductive cells forward into the internal canal system.

3. Bidder's Canal to Urinogenital Duct

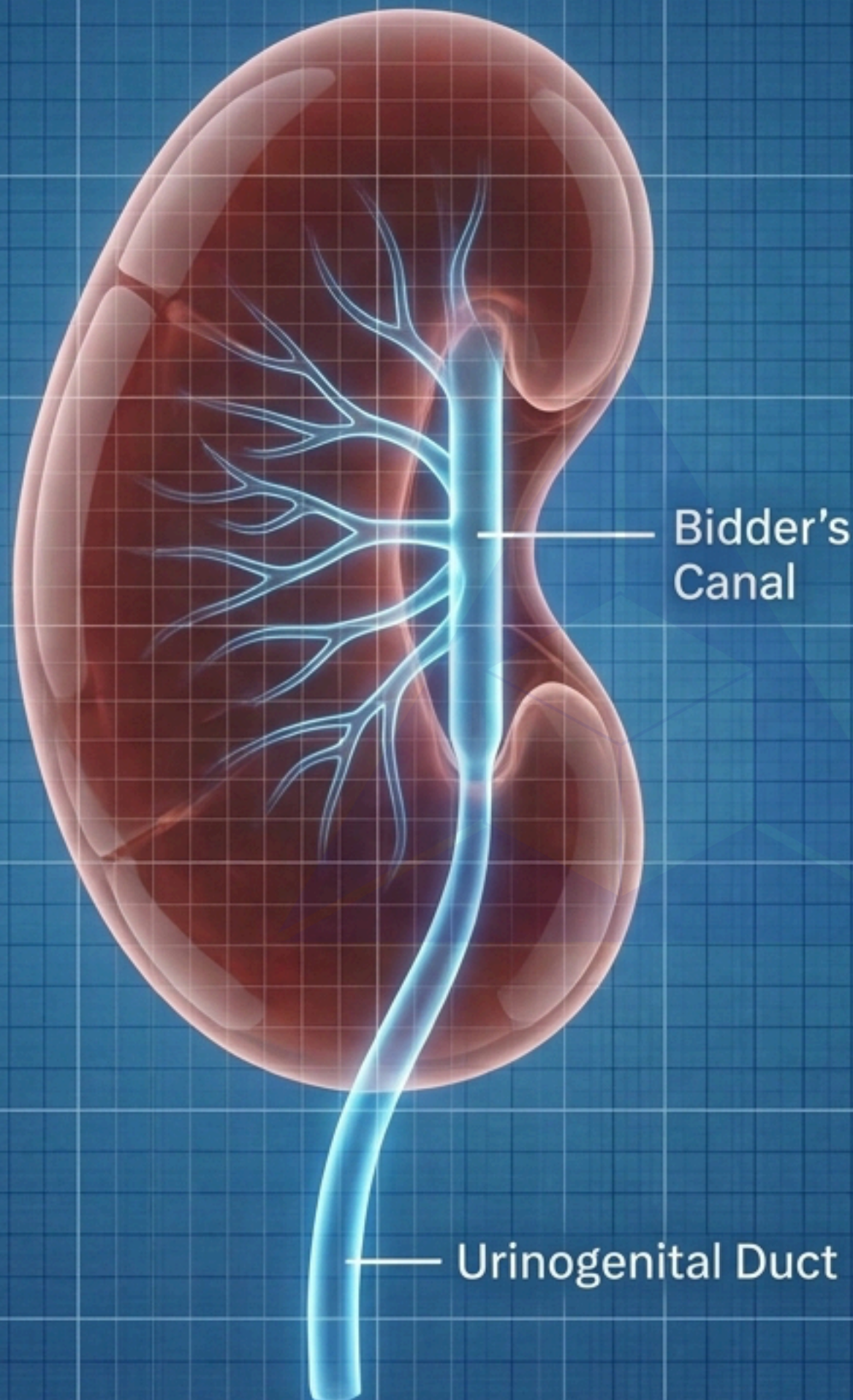
Bidder's Canal:

Inside the kidney, the vasa efferentia open directly into this specialized internal canal.

The Hand-off:

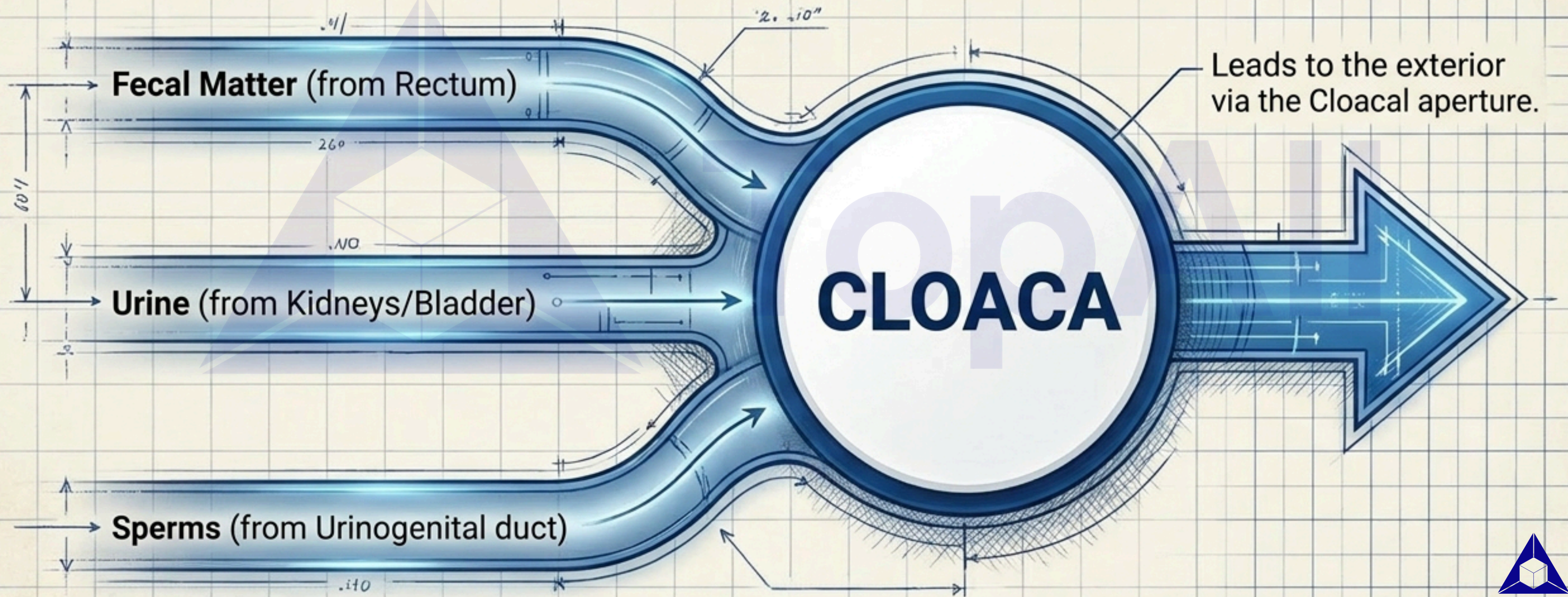
Bidder's canal communicates with the urinogenital duct, which eventually emerges from the kidney.

Anatomical Quirk: Sperm must route directly through the kidney's architecture to exit, merging the reproductive pathway with the excretory infrastructure.



4. The Cloaca

A small, median chamber serving as the ultimate external gateway.



Summary: The Path of Transport



Key Takeaway: The male frog's reproductive success relies on a highly integrated system where the kidneys serve dual functions—acting as essential thoroughfares for both urea and sperm.



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