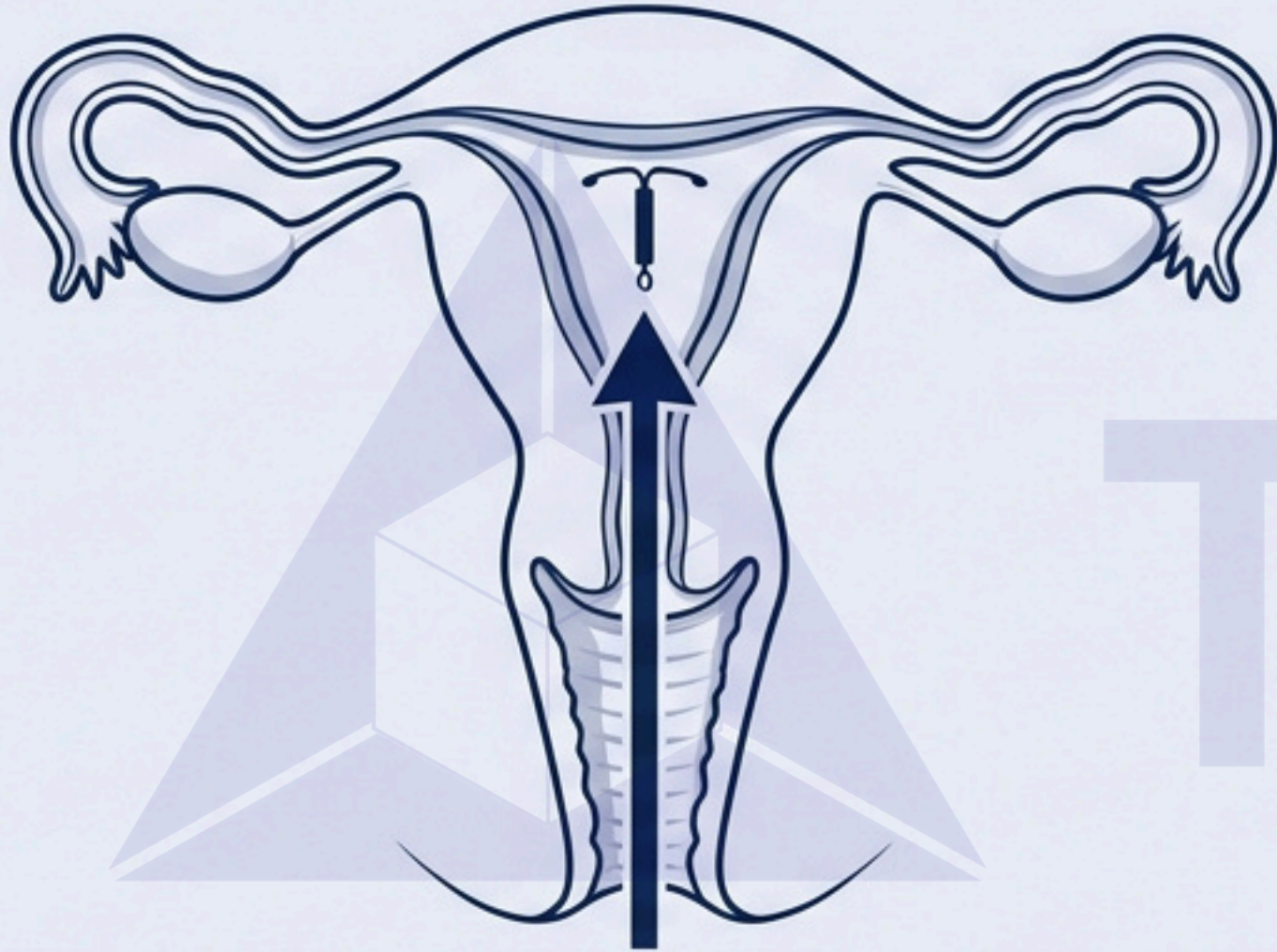


IUDs: Copper T and Hormone Devices

Class 12 Biology: Reproductive Health (NCERT 5.1)

Clinical Anatomy and Insertion



Intra Uterine Devices (IUDs) are inserted directly into the **uterus** through the **vagina**.



Quick Tip: Must be inserted by a doctor or expertly trained nurse. Unlike condoms, this is **not** a self-inserted or disposable barrier method.

The Anatomy of a Copper T

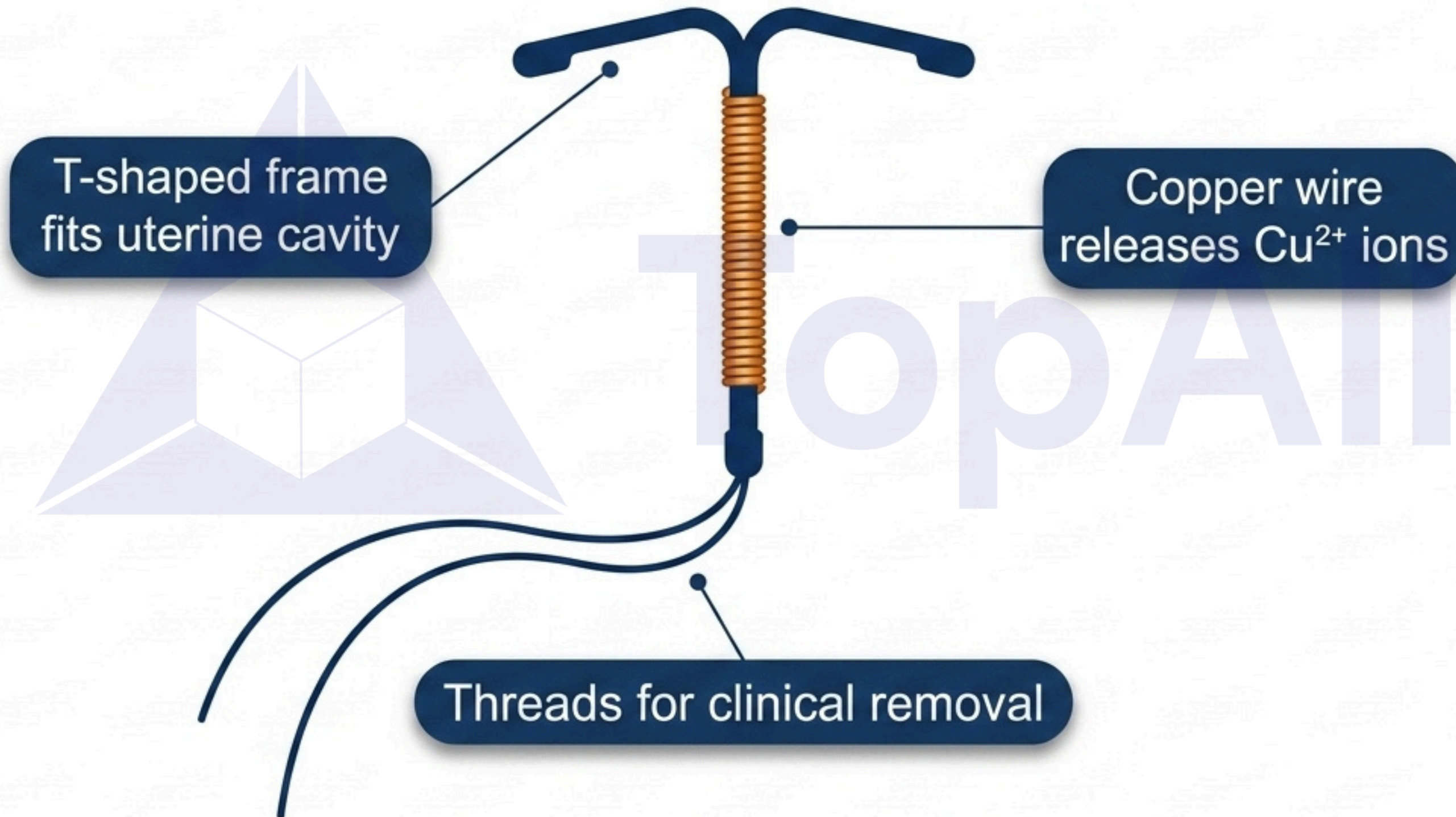


Figure 3.2: Copper T (CuT)



You've Learned the Theory. Let's Test Them Now.

$$E=mc^2$$



Turn theory into marks with **unlimited MCQs, smart analysis, and focused revision.**

Practice Now



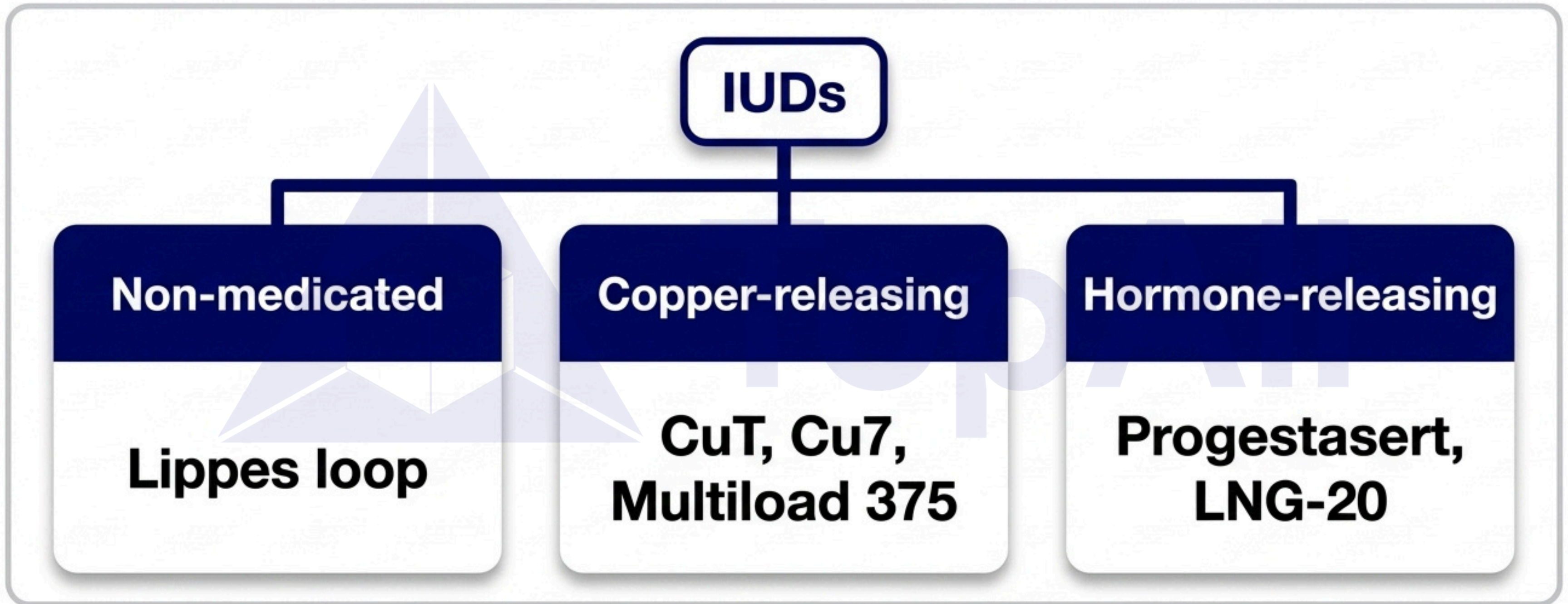
At prep.topall.app

Key Highlights

- » Free Study Material, Videos & Infographics
- » Push Your Limits with Level-Based Challenges
- » Climb the Leaderboard Among Fellow Aspirants
- » Practice Unlimited MCQs for NEET & JEE
- » Get Clear Explanations, Not Just Marks
- » Track Your Performance Smarter



The Three IUD Families



Memorize the 'NCH' families: **N**on-medicated, **C**opper, **H**ormone.

The Universal Baseline Action



ALL IUDs increase the phagocytosis of sperms within the uterus.



Common Mistake

Do not confuse IUDs with barrier methods. IUDs do not physically block sperm from entering the female reproductive tract; they destroy sperm inside the uterus.

Specific Mechanisms of Action

Copper IUDs

Active Agent: Releases Cu^{2+} ions.

Mechanism: Suppresses sperm motility and reduces the fertilising capacity of sperms.

Hormone IUDs

Active Agent: Releases hormones (Progestogens).

Mechanism: Makes the uterus unsuitable for implantation and makes the cervix hostile to sperms.

Clinical Indication and Usage



Key Takeaway

IUDs are widely accepted and ideal for females who want to **pregnancy or space children.**

They remain one of the most widely accepted contraceptive methods in India.

NEET Quick Recall



Which of the following is a hormone-releasing IUD?

[A] Lippes loop

[B] Multiload 375

[C] LNG-20

[D] Cu7

Answer: [C] LNG-20



You've Learned the Theory.

Now Let's Test It.

Reading notes gets you knowledge.

Practicing MCQs gets you marks.

That's exactly what TopAll Pro is built for.

Try TopAll Pro Now

What TopAll Pro Does Differently

-  **Stuck? Snap it. Solve it. — Doubts AI**
Photo → step-by-step solution in seconds, 24/7
-  **Your AI Coach finds your blind spots**
Concept-level weakness detection — not just chapter-level
-  **4.5 Lakh+ questions. Never run out.**
13× more content than any other prep app in India
-  **Build your own test in 60 seconds**
Pick a chapter, set difficulty — AI does the rest instantly.
-  **AI Recommendation that helps you improve**
AI Recommendation Analysis your Tests and tell you where you need to improve.



Practice the moment you finish studying
Jump in while the concept is still fresh in your head

4.5L+
MCQs

1.5L+
Students

AI Powered
In-Depth Analysis