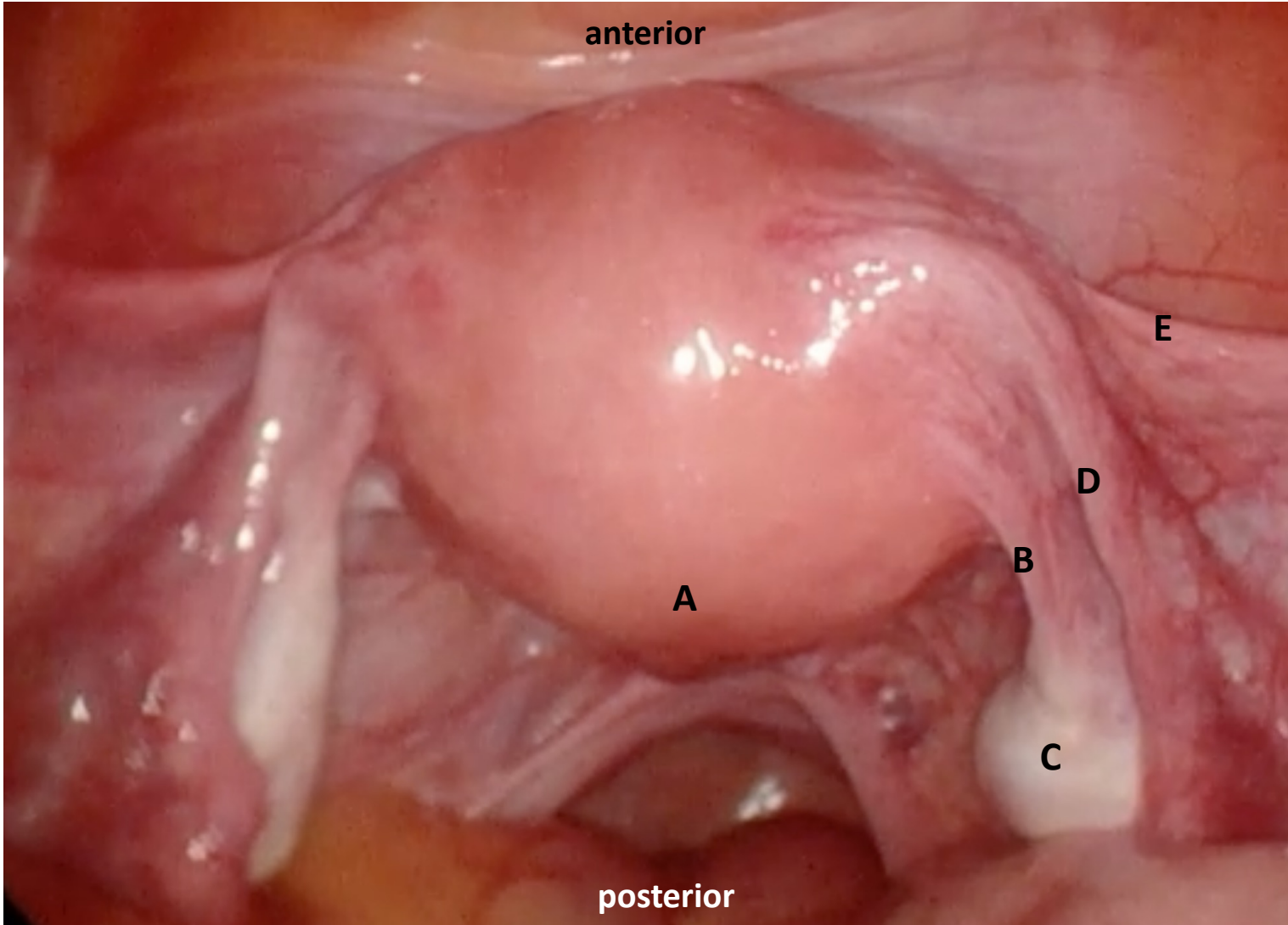
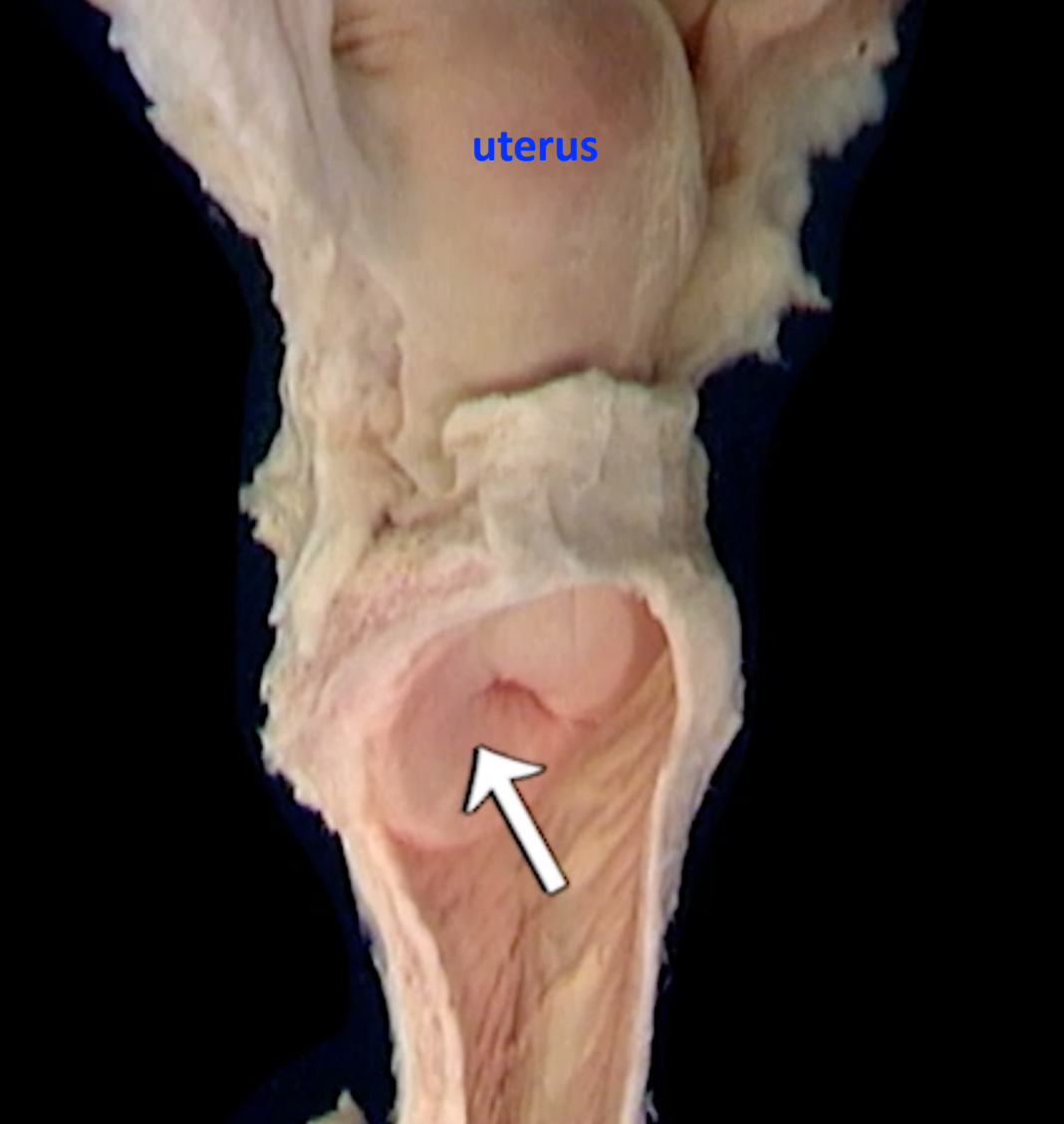


**Quiz Section Test 4-AB**  
**Answers are given in red.**



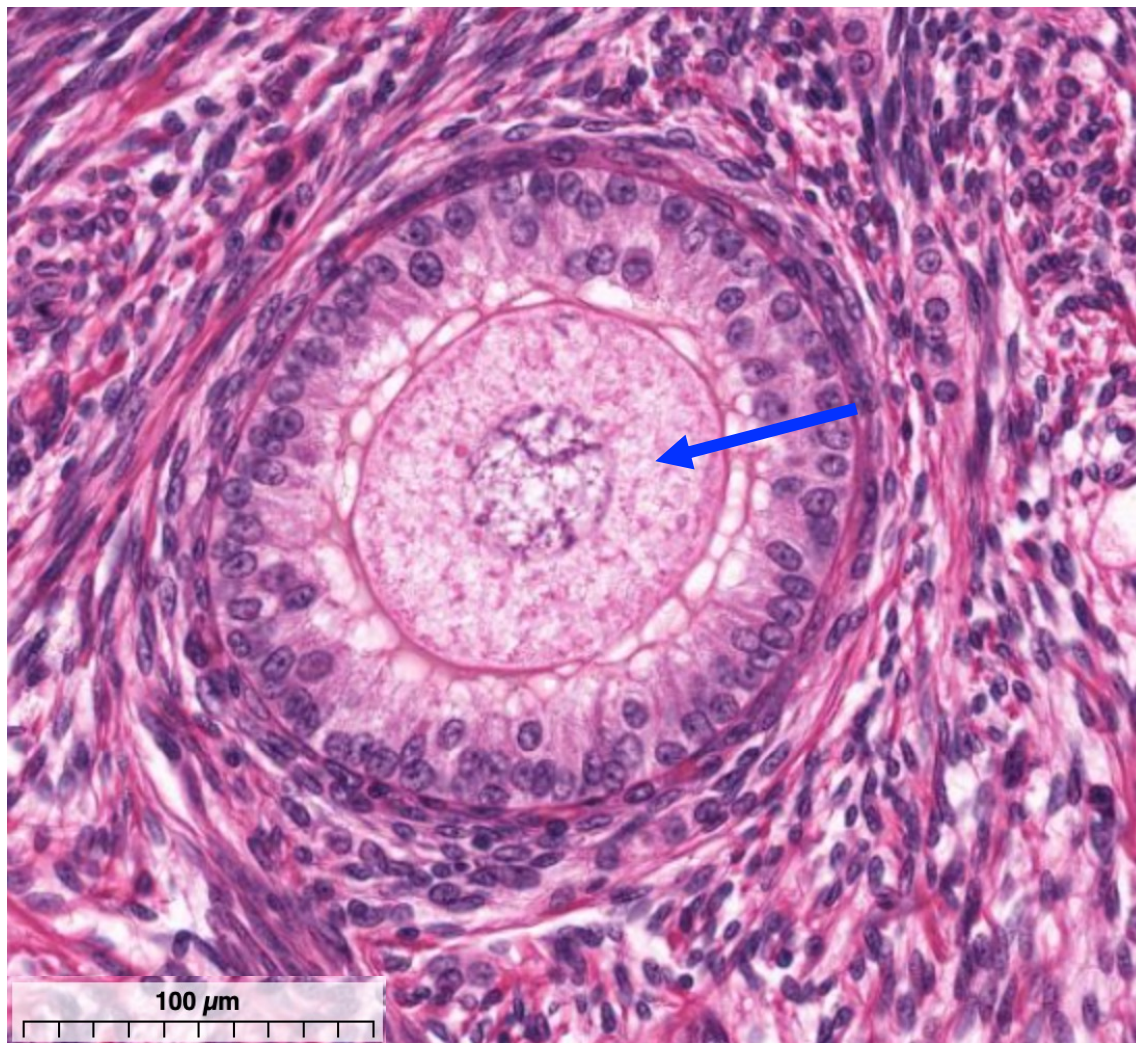
1. Which letter indicates the uterine tube?

**D**



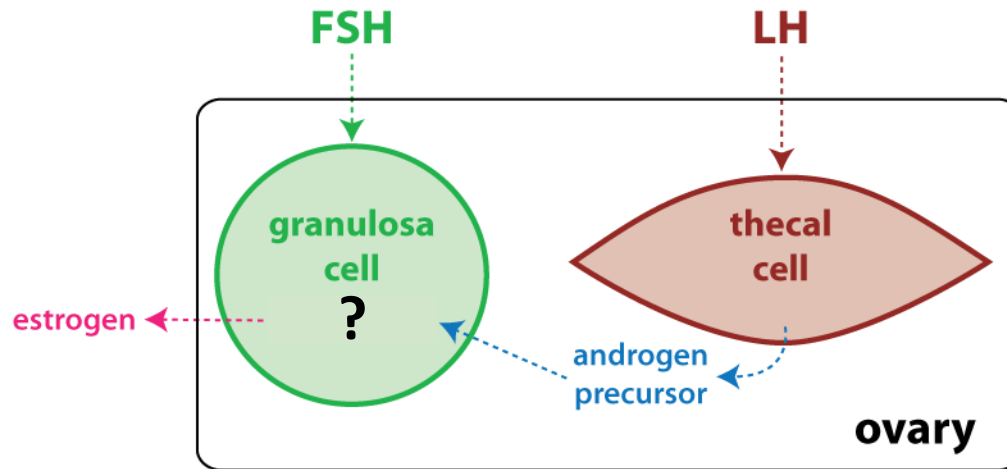
2. Which of the following is the structure indicated by the white arrow?

- a. vagina
- b. cervix**
- c. body
- d. fundus



3. Name the cell indicated by the arrow.

**oocyte**



4. Name the enzyme expressed in granulosa cells that converts an androgen precursor to estrogen.

**aromatase**

5. Why would a woman with polycystic ovary syndrome (PCOS) be prescribed a hormonal contraceptive?

- a. to increase FSH secretion
- b. to decrease androgen secretion**
- c. to induce ovulation
- d. to increase LH secretion

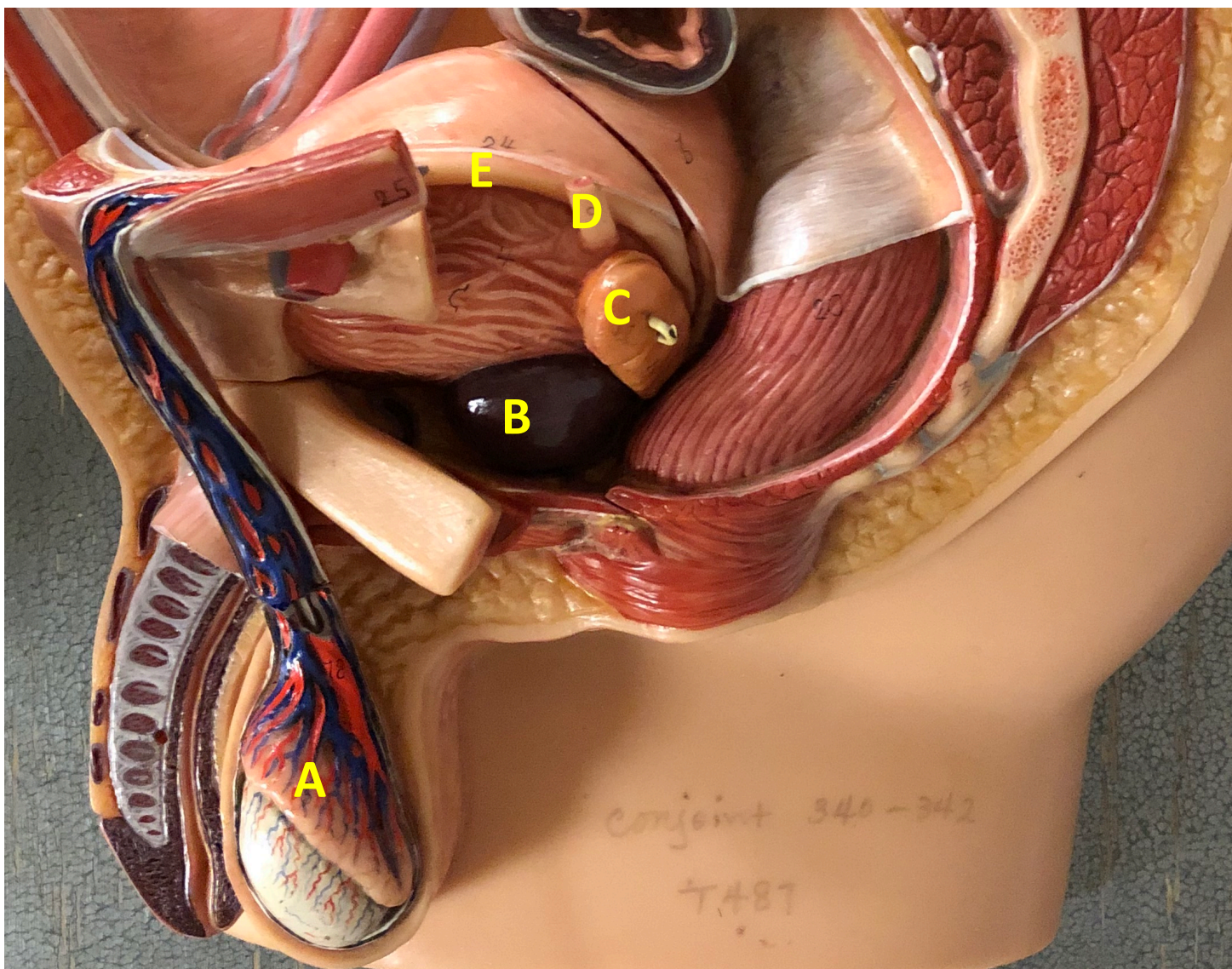
6. Clomiphene is a drug that is used for ovulation induction in the treatment of PCOS. How does clomiphene work?

- a. **estrogen antagonist**
- b. inhibits estrogen synthesis
- c. FSH agonist
- d. inhibits androgen synthesis

7. Which of the following cells is NOT found in the seminiferous tubule?

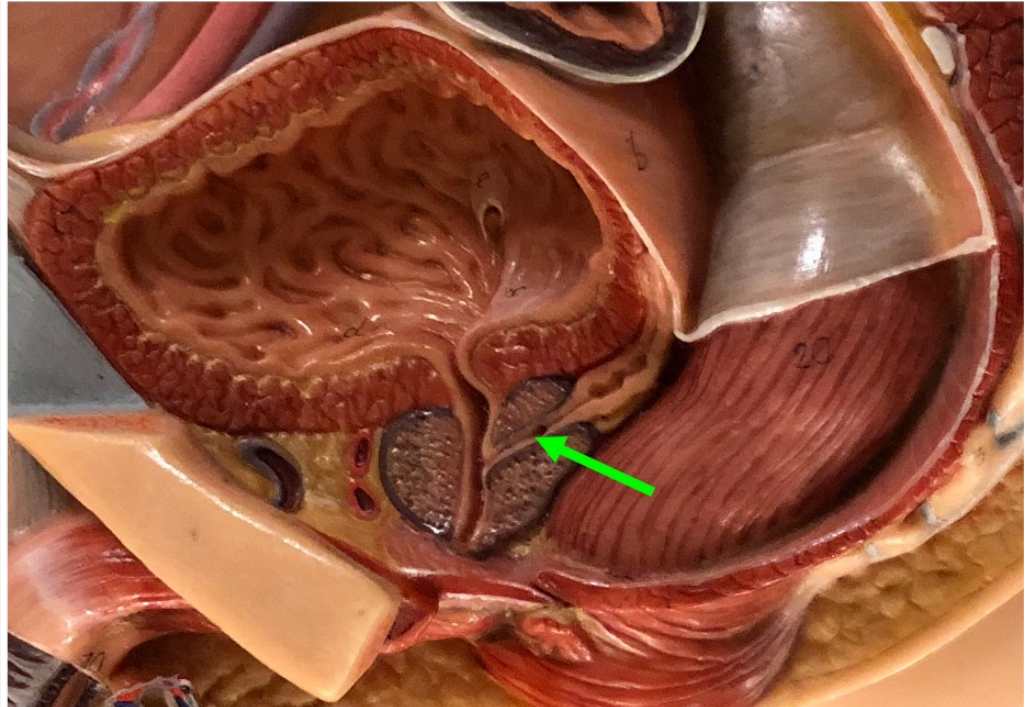
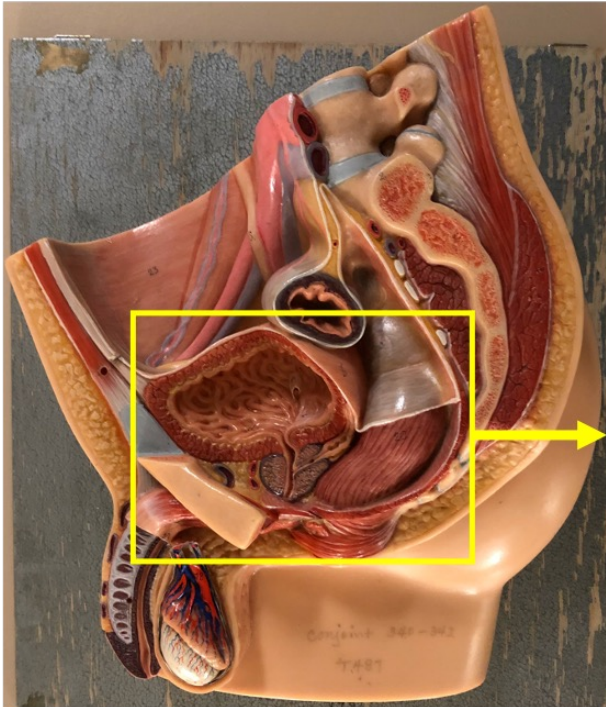
- a. germ cell
- b. Sertoli cell
- c. **Leydig cell**





8. Name the gland indicated by the letter B.

**prostate gland**



9. Name the specific passageway indicated by the arrow.

**ejaculatory duct**

10. Erectile dysfunction drugs are phosphodiesterase inhibitors. Which of the following is the intracellular second messenger formed in the vascular smooth muscle of erectile tissues that is broken down by phosphodiesterase?

- a. norepinephrine
- b. cAMP
- c. guanylyl cyclase
- d. nitric oxide (NO)
- e. **cGMP**