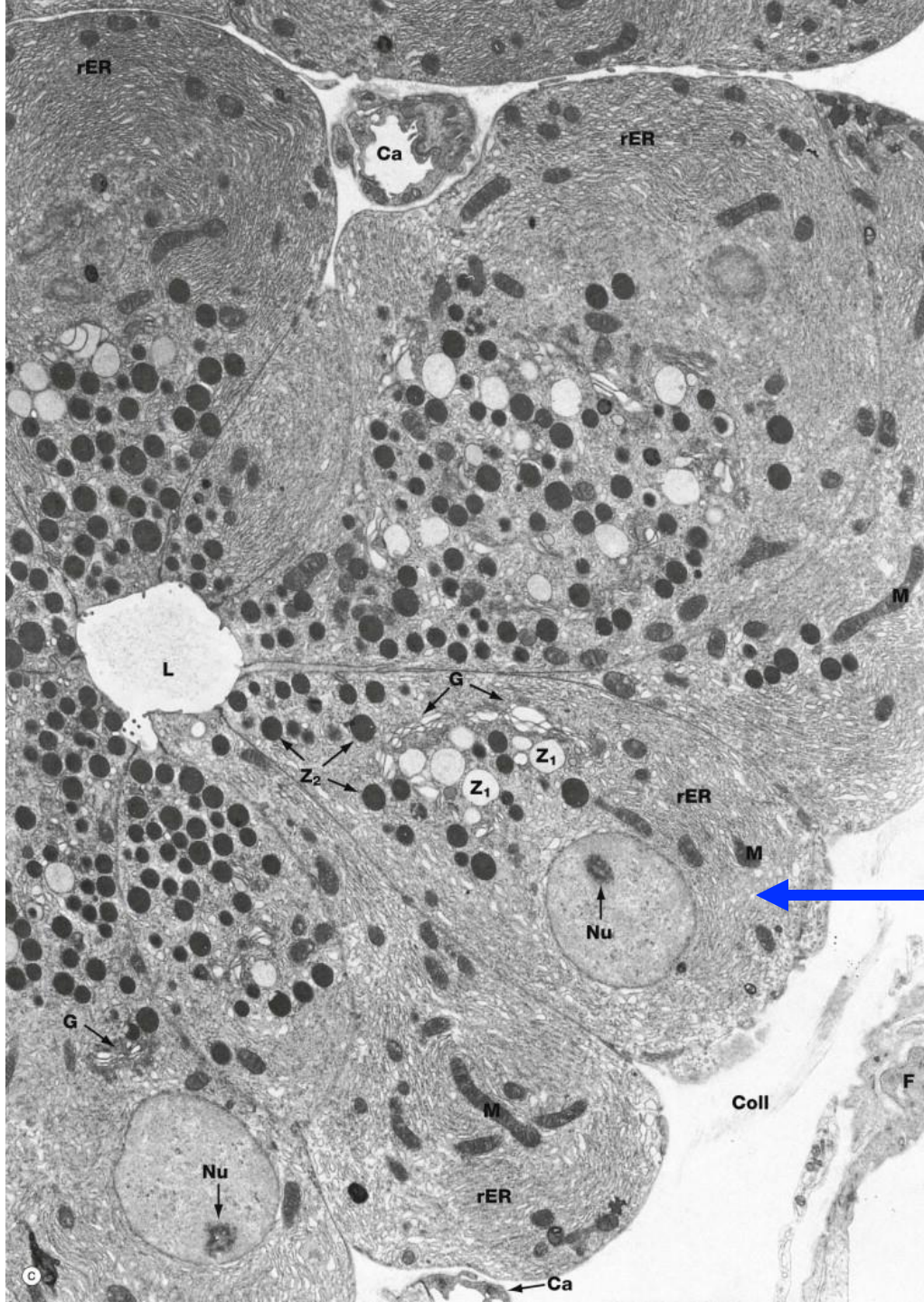


Quiz Section Test 3-AA
Answers are given in red.

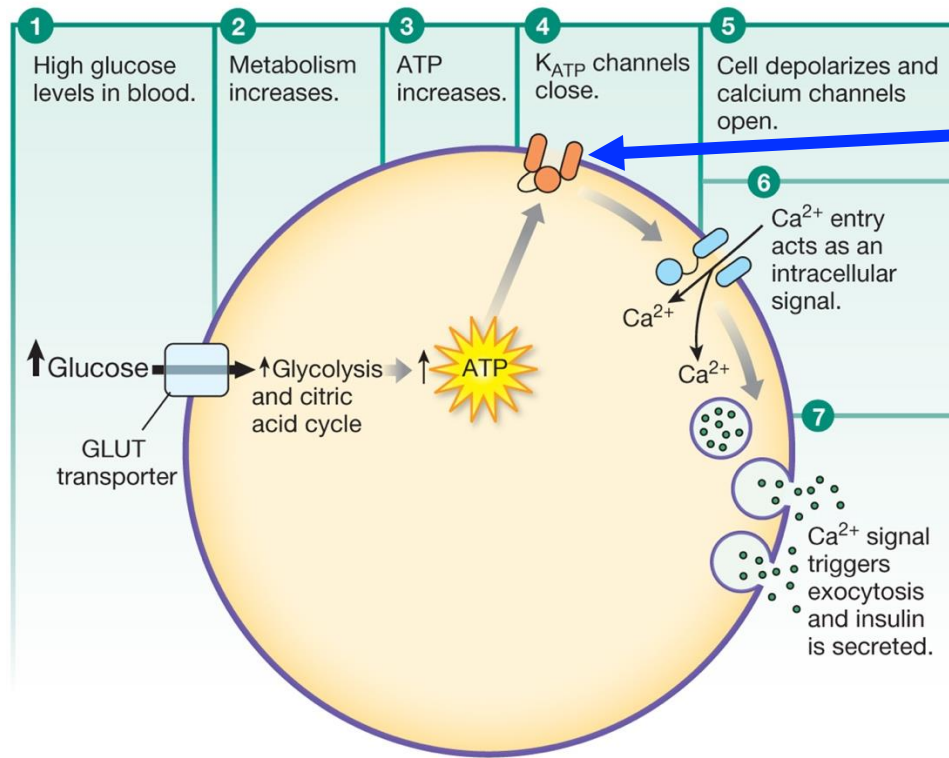


1. Name the type of cell indicated by the arrow. (The vesicles are zymogen granules.)

acinar cell

2. Which type of diabetes mellitus is an autoimmune disorder?

Type 1 diabetes mellitus



3. Which of the following drugs acts on the protein indicated by the arrow?

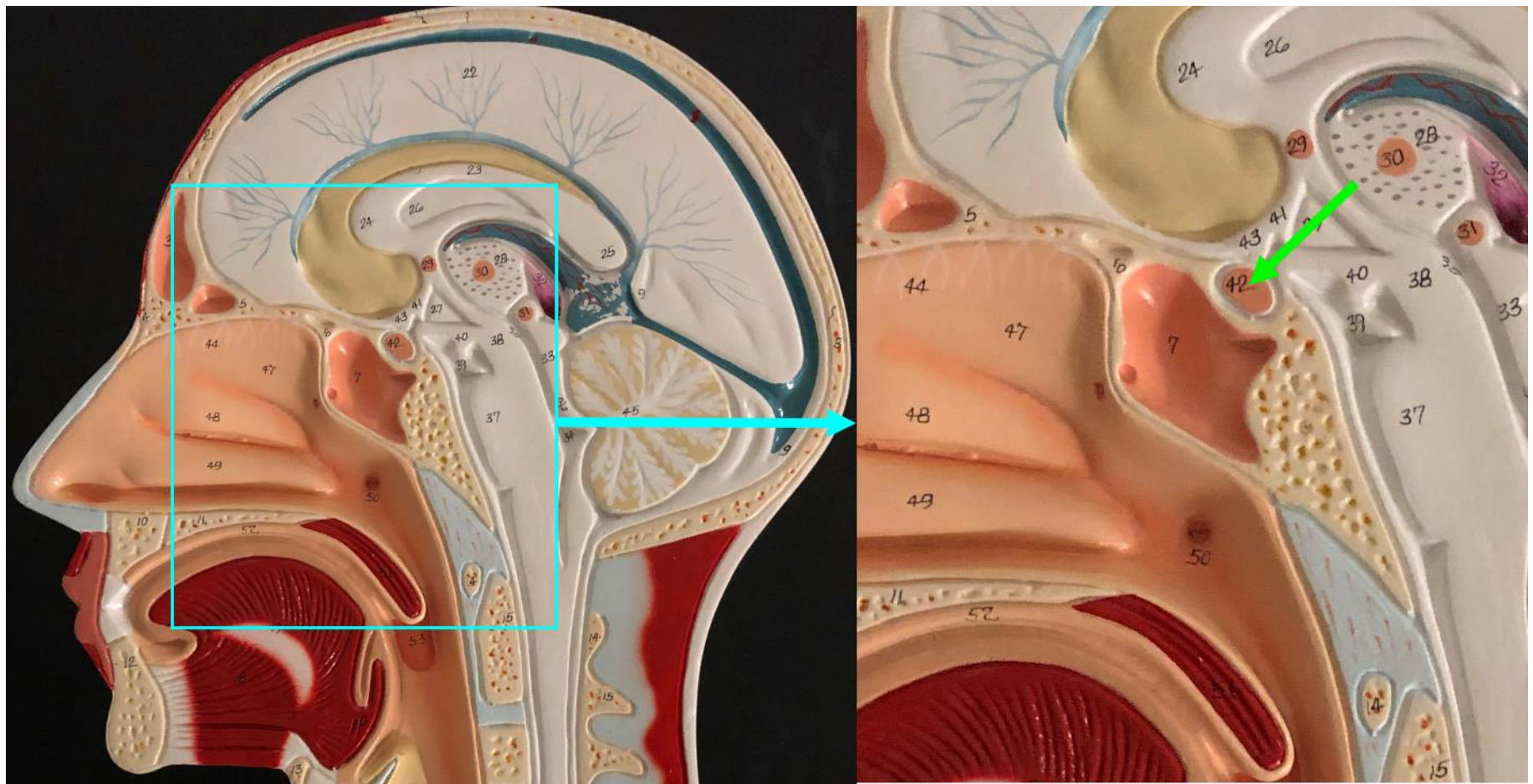
- a. DPP-4 inhibitor
- b. **sulfonylurea**
- c. insulin
- d. GLP-1 agonist
- e. SGLT2 inhibitor

4. All of the following drugs work to increase insulin secretion EXCEPT

- a. **metformin**
- b. meglitinide
- c. sulfonylurea
- d. GLP-1 agonist
- e. DPP-4 inhibitor

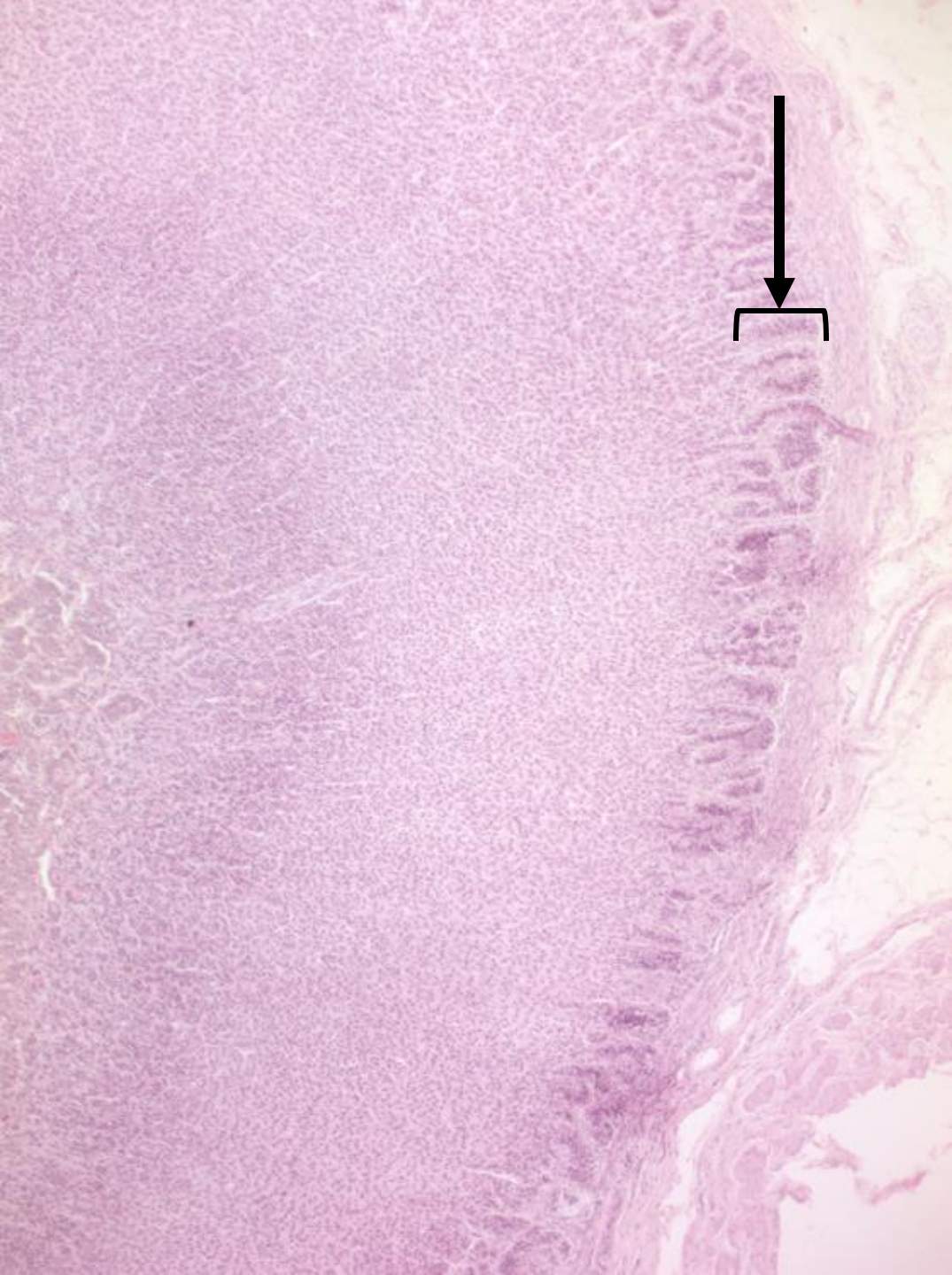
5. Which of the following tests is used to determine glycemic control?

- a. fasting plasma glucose
- b. random test of blood glucose
- c. oral glucose tolerance test
- d. glycated hemoglobin (HbA1C)



6. Name the structure indicated by the green arrow.

pituitary gland

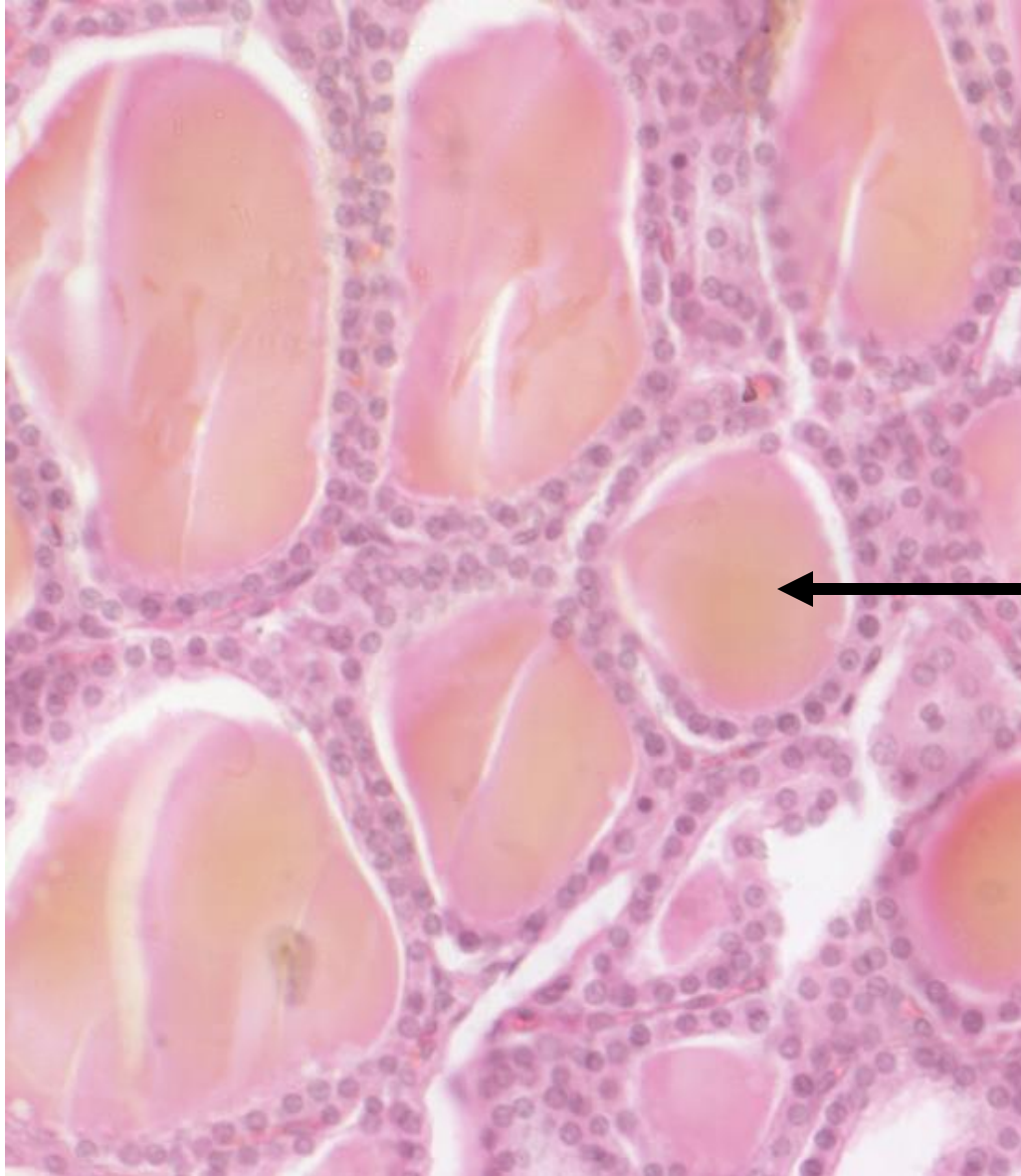


7. Which of the following regions is indicated by the bracket?

- a. adrenal medulla
- b. zona reticularis
- c. zona fasciculata
- d. **zona glomerulosa**

8. Treatment with what type of drug can cause hypopituitary adrenal insufficiency?

- a. **glucocorticoid**
- b. thyroxine
- c. metformin
- d. GLP-1 agonist
- e. SGLT2 inhibitor



9. Name the protein that is found in the space indicated by the arrow. **thyroglobulin**

10. Name the hormone whose secretion is elevated when iodine is deficient.

TSH