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iClicker Use in NS3410- Human Anatomy and Physiology

1. Start class with review of medical terminology; gets iClickers out and students focused

2. Allow students to provide input on class content and timing of quizzes / exams

3. Gauge prior knowledge or conceptions about a course topic

4. Present NEJM image challenges; review terminology and critical thought/integration of topics covered

5. Provide more interactive environment; assess students grasp of material covered

6. Use these for anatomical identification
Greek / Latin Building Block Prefix/Suffix of the Day:

/sentesis

A. Surgical puncture
B. Circular
C. Inflammatory
D. Related to the stomach
E. 100 fold increase

amniocentesis
Do men need estrogen?

What are the hormonal effects of sunlight?

What hormones are associated with dwarfism?
Only women need estrogen?

1 True
2 False
Q: What endocrine diagnosis is affecting the identical twin on the right side of the image?

1. Acromegaly
2. Addison's disease
3. Cushing's syndrome
4. Hypogonadism
5. Hypothyroidism

A) Acromegaly - GH
B) Addison's - Cortisol
C) Cushing's - Cortisol
D) Hypogonadism - Testosterone
E) Hypothyroidism - Thyroid hormone
Why is the blood-brain barrier ineffective against alcohol?

A. Alcohol is water soluble
B. The blood-brain barrier prevents only blood cells from reaching the brain
C. It isn’t: alcohol cannot reach the brain
D. Alcohol is lipid soluble
The renal artery enters into the kidney at / on / into the?

A  Concave side
B  Hilum
C  Renal pelvis
D  Site superior to the ureter
E  All of the above
Glomerular filtration is an energy dependent process;

A  True
B  False
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Based on Student Input:

Students that were performing in the top 1%

1. Provide critical thought questions for further work outside of class

Students that received <60 on midterm

1. Use to review and summarize material from prior lecture
During an orthotopic heart transplant a part of the recipient's heart is not removed. Which part of the recipient's heart is left intact and why?

A. SA node
B. AV node
C. Left atrial wall
D. Right atrial anterical wall
E. Apex of the left ventricle
What would the EKG look like in a heterotopic heart transplant?
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**iClickers; least successful or most problematic:**

- Use of these for attendance / participation points
- Problems registering
- Worry when absent, missed class, broken battery
- Concern that goal becomes clicking in instead of engaging with material