



Question Guide
GAME 2 / ROUND 1



AMERICAN COLLEGE OF SURGEONS

*Inspiring Quality:
Highest Standards, Better Outcomes*

100+ years

Game 2 / Round 1

100

Clue Most common location for an ectopic parathyroid

Response What is mediastinum/thymus?

200

Clue Apple-green birefringence is a hallmark of Congo red staining of this protein found in abundance in medullary thyroid cancer

Response What is calcitonin?

300

Clue This enzymatic defect in cortisol synthesis is salt wasting and leads to precocious puberty in males and virilization in females

Response What is 21-hydroxylase deficiency?

400

Clue The type of thyroid cancer suspected in a patient with bilateral pheochromocytomas

Response What is medullary thyroid cancer (MEN2)?

500

Clue Upregulation of RET can lead to a predilection for medullary thyroid cancer; a downregulation of RET is associated with this pediatric condition

Response What is Hirschsprung disease?

Game 2 / Round 1

100

Clue This physician first introduced the use of carbolic acid as part of standard medical practice

Response Who is Joseph Lister?

200

Clue This Swiss physician was the first surgeon to win the Nobel prize for his work on the pathophysiology of the thyroid

Response Who is Dr. Emil Kocher?

300

Clue Considered by many to be the father of modern neurosurgery, this physician also won a Pulitzer Prize for his biography of Sir William Osler

Response Who is Dr. Harvey Cushing?

400

Clue Working closely with Dr. Harvey Cushing to help solve the issue of postoperative bleeding, this physician designed one of the most commonly used instruments in modern surgery

Response Who is Dr. William Bovie?

500

Clue She was the first female surgeon in the United States and the only woman ever to win the Medal of Honor for her service as a Civil War surgeon

Response Who is Dr. Mary Edwards Walker?

Game 2 / Round 1

100 **Clue** Open gallbladder incision and cheap housing
Response What is subcostal hostel?

200 **Clue** Bile acid secretion by liver acinar cells is controlled by this hormone
Response What is CCK?

300 **Clue** Hallmark feature is the presence of a central scar on CT or MRI
Response What is focal nodular hyperplasia (FNH)?

400 **Clue** The eponymous name was given to a rare complication of hemangiomas involving consumptive coagulopathy
Response What is Kasabach-Merritt syndrome?

500 **Clue** A common effect of secretin, cholecystokinin, gastrin, and acetylcholine on centroacinar cells of the pancreas
Response What is the stimulation of HCO₃⁻ secretion?

Game 2 / Round 1

100 **Clue** Closure of the mesenteric defect in an RYGB is done to reduce the risk of this potentially devastating intra-abdominal complication

Response What is an internal hernia/midgut/small bowel strangulation?

200 **Clue** Associated with macrocytic anemia, peripheral neuropathy, and beefy red tongue, this vitamin deficiency can occur following gastric bypass

Response What is B12 deficiency?

300 **Clue** This anatomic location on the stomach is the most common site of stenosis associated with a gastric sleeve

Response What is the incisura?

400 **Clue** An upper GI after RYGB demonstrates brisk filling of the gastric remnant in this complication

Response What is a gastro-gastric fistula?

500 **Clue** This radiographic angle on x-ray is used to assess appropriate positioning of a gastric band

Daily Double **Response** What is the phi angle?

Game 2 / Round 1

100

Clue According to the 2012 Surviving Sepsis campaign guidelines, this is the initial vasopressor of choice for septic shock

Response What is norepinephrine?

200

Clue In addition to its utility in anaphylaxis, this vasopressor is often used in the ICU for its inotropic and chronotropic effects

Response What is epinephrine?

300

Clue A hormone traditionally secreted by the neurohypophysis, use of this vasopressor can be complicated by hyponatremia and diabetes insipidus

Response What is vasopressin?

400

Clue As a centrally acting alpha-2 agonist, the utility of this sedating agent is limited by its sometimes profound side effect of bradycardia

Response What is dexmedetomidine (Precedex)?

500

Clue This medication works via nonadrenergic pathways to have both inotropic and vasodilatory actions

Response What is milrinone?

Game 2 / Round 1

100

Clue Used in cases of hemorrhagic shock during trauma resuscitation, this device can be inflated in zone 1 or zone 3 depending upon the area of suspected bleeding

Response What is a REBOA?

200

Clue Equipped with an oxygenator and a pump, this machine is able to provide mechanical support for both the heart and lungs

Response What is VA ECMO?

300

Clue This vascular device inflates during diastole and deflates during systole, providing support for heart during all phases of contractility

Response What is an intra-aortic balloon pump?

400

Clue This surgically implanted mechanical pump pulls blood from the ventricles and ejects it through the aorta or pulmonary arteries

Response What is a ventricular assist device?

500

Clue Placement of this mechanical cardiac support device requires a partial cardiectomy and can be used as a destination therapy or a bridge to transplant

Response What is a total artificial heart?