A 78-year-old woman with chronic atrial fibrillation has suffered an embolic stroke. Which of the following medicines is the preferred long-term therapy in this patient?

1. Aspirin
2. Heparin
3. Ticlopidine
4. t-PA
5. Warfarin

5. Warfarin
A 77-year-old man has recurrent episodes of dizziness with blurred vision in both eyes. The episodes typically last 3 minutes. Blood pressure in the right arm sitting is 140/80 mm Hg and in the left arm 110/80 mm Hg. The Romberg test and finger to nose testing are normal. Which of the following is the most likely diagnosis?

1. Cerebellar tumor
2. Diabetic mononeuropathy
3. Intracerebral hemorrhage
4. Migraine
5. Subclavian steal syndrome

✓5. Subclavian steal syndrome
A 66-year-old woman has unsteady gait with recurrent falling episodes. Physical exam reveals an alert patient with abnormal finger to nose movement, abnormal Romberg test, and wide-based, unsteady gait. Proprioception and vibratory sensation are normal. Which of the following is the most likely diagnosis?

1. Cerebellar tumor
2. Frontal lobe brain tumor
3. Pernicious anemia
4. Uremic neuropathy
5. Transverse myelitis

1. Cerebellar tumor

✓
Of the following, which is considered an **absolute contraindication** for the induction of labor?

1. Advanced maternal age
2. Placenta previa
3. Preeclampsia
4. Premature rupture of the membranes
5. Prolonged pregnancy

- [x] 2. Placenta previa
An 18-year-old male presents with symptoms of acute redness and photophobia in the left eye that began one day ago. Slit lamp examination of the left eye reveals circumlimbal flush, grade 3 cells in the anterior chamber, and keratic precipitates. The most likely ocular diagnosis is?

1. Anterior uveitis
2. Keratoconjunctivitis
3. Open-angle glaucoma
4. Blepharitis
5. Retinal detachment
A teenage male presents with complaints of a sudden onset of pain in the groin, followed by nausea and vomiting. On physical examination, he is febrile and is noted to have scrotal swelling on the left with absent cremasteric reflex. Which of the following is the most likely diagnosis?

1. Epididymitis
2. Paraphimosis
3. Inguinal hernia
4. Peyronie's disease

✔ 5. Testicular torsion
A 22-year-old woman presents with painful genital sores. On exam, she has multiple, very painful, shallow, erythematous ulcers on her vulva and perineum. Multinucleated giant cells are visible on a Tzanck smear. Which of the following medications would be the best treatment choice?

1. Hepsera (adefovir)
2. Combivir (lamivudine)
3. Valtrex (valacyclovir)
4. Relenza (zanamivir)
5. Viracept (nelfinavir)
A 30-year-old female during the patient interview is noted to have amenorrhea, infertility, and galactorrhea. Which of the following is the most likely cause?

1. Increased adrenocorticotrophic hormone (ACTH)
2. Increased follicle stimulating hormone (FSH)
3. Increased growth hormone (GH)
4. Increased luteinizing hormone (LH)
5. Increased prolactin

✓5. Increased prolactin
A 28-year-old male was diagnosed 1 week ago with pityriasis rosea. He returns to the office complaining of painless sores in his mouth. On physical exam, you notice a few annular macules on his palms and hyperkeratotic plantar lesions. The inner, lower lip has an aphthous ulcer and the tongue has mucous patches. How can you rapidly determine the correct diagnosis?

1. Saline wet mount
2. Gram's stain
3. 10% KOH test
4. Serology test
5. Tzanck smear
A 20 y/o male sustains a midshaft humerus fracture, what is the most commonly injured nerve associated with this injury?

1. Radial nerve
2. Axillary nerve
3. Median nerve
4. Ulnar nerve
5. Musculocutaneous nerve

✓ 1. Radial nerve
Of the following, which is the most common sign or symptom of endometrial carcinoma in the postmenopausal woman?

1. Abdominal tenderness
2. Amenorrhea
3. High serum estrogen levels
4. Suprapubic pain
5. Vaginal bleeding

Correct answer: 5. Vaginal bleeding
A 25-year-old G₂P₁A₀ presents for her initial pre-natal check-up. The first day of her last menstrual was July 18\textsuperscript{th}. Using Nägele’s rule, calculate her EDC.

1. March 31
2. April 6
3. April 18
4. April 25
5. May 1
A 25-year-old pregnant patient presents to your office at 34-weeks gestation. Her blood pressure is 190/110 mmHg. She also has pedal edema and 3+ protein in her urine. Which of the following is the most likely diagnosis?

1. Post Date pregnancy
2. Polyhydramnios
3. Twin gestation
4. Intrauterine growth restriction
5. Preeclampsia
Which of the following best describes the type of diarrhea experienced by patients with lactose intolerance?

1. Inflammatory
2. Secretory
3. Osmotic
4. Infectious
5. Iatrogenic
A 76 y/o has a brain tumor involving the brain stem, which of the following would most likely be a potential sequela?

1. Cranial nerve palsy
2. Olfactory hallucinations
3. Personality change
4. Sensory seizures
5. Orthostatic hypotension

✓ 1. Cranial nerve palsy
A 55-year-old man has progressive weakness of his arms and legs. There is no associated urinary or bowel incontinence. Examination reveals weakness of the extremities, fasciculations of the tongue, overactive deep tendon reflexes in the arms and legs, and bilateral positive Babinski sign. Which of the following is the most likely diagnosis?

1. Amyotrophic lateral sclerosis
2. Multiple sclerosis
3. Primary brain tumor
4. Myasthenia gravis
5. Lambert-Eaton syndrome

✓ 1. Amyotrophic lateral sclerosis
A 10-year-old boy presents with a high fever, meningismus, and purpuric skin rash. Which of the following is the most likely causative organism?

1. Streptococcus pyogenes
2. Staphylococcus aureus
3. Neisseria meningitidis
4. Toxoplasmosis
5. Haemophilus influenzae
The diagnosis of asthma is established by which of the following?

1. The presence of wheezing
2. A family history of asthma
3. Demonstrating the presence of reversible airway obstruction
4. The presence in the home of environmental tobacco smoke
5. An FEV1 of more than 80% of the predicted value
A 28 month-old male is brought in by his parents because the daycare worker noticed that he is having problems with basic skills. She is also concerned because the child’s communication skills are not consistent with other children his age. She explained to the parents that he does not interact well with the other children and often hits and bites other children. He frequently gets very mad if he doesn’t “get his way” and has almost daily tantrums. His parents deny any significant health problems.

Vital signs are stable. Physical examination reveals no abnormalities except that when you ask him questions he repeats what you say repetitively.

This child is most likely suffering from which of the following diagnoses?

1. Disruptive Behavioral Disorder
2. Mental retardation
3. Autistic disorder
4. Cerebral palsy
5. Attention Deficit/Hyperactivity Disorder (ADHD)
A 35 y/o presents to the ER with a narcotic overdose, which of the following is the most common acid-base disorder expected to be found on lab workup?

1. High anion gap metabolic acidosis
2. Normal anion gap (hyperchloremic) metabolic acidosis
3. Metabolic alkalosis
4. Respiratory acidosis
5. Respiratory alkalosis

4. Respiratory acidosis