**Department of Neurosurgery (HFH)**

**Here are 10 multiple-choice questions (MCQs) on brain abscess, each with 5 options:**

 **What is the most common cause of brain abscess in immunocompetent individuals?**

A) Viral infections

B) Bacterial infections

C) Fungal infections

D) Parasitic infections

E) Autoimmune disorders

**\*Answer:\* B) Bacterial infections**

 **Which of the following is the most common route of infection for brain abscess?**

A) Hematogenous spread

B) Direct extension from sinusitis

C) Trauma or neurosurgery

D) Otogenic spread

E) Congenital defects

\***Answer:\* A) Hematogenous spread**

**Which imaging modality is the gold standard for diagnosing brain abscess?**

A) X-ray

B) CT scan

C) MRI with contrast

D) Ultrasound

E) PET scan

**\*Answer:\* C) MRI with contrast**

**Which of the following bacteria is most commonly associated with brain abscess?**

A) Escherichia coli

B) Streptococcus pneumoniae

C) Staphylococcus aureus

D) Mycobacterium tuberculosis

E) Pseudomonas aeruginosa

**\*Answer:\* C) Staphylococcus aureus**

**What is the most common symptom of a brain abscess?**

A) Fever

B) Headache

C) Seizures

D) Focal neurological deficits

E) Nausea and vomiting

**\*Answer:\* B) Headache**

**Which of the following is a potential complication of brain abscess?**

A) Hydrocephalus

B) Meningitis

C) Cerebral edema

D) All of the above

E) None of the above

\***Answer:\* D) All of the above**

**Which of the following is NOT a typical treatment for brain abscess?**

A) Antibiotics

B) Antifungals

C) Surgical drainage

D) Corticosteroids

E) Chemotherapy

**\*Answer:\* E) Chemotherapy**

**Which population is most at risk for fungal brain abscess?**

A) Immunocompetent adults

B) Children

C) Elderly individuals

D) Immunocompromised patients

E) Pregnant women

**\*Answer:\* D) Immunocompromised patients**

**What is the most common source of otogenic brain abscess?**

A) Sinusitis

B) Dental infections

C) Mastoiditis

D) Pneumonia

E) Endocarditis

**\*Answer:\* C) Mastoiditis**

**Which of the following is a key differential diagnosis for brain abscess?**

A) Brain tumor

B) Stroke

C) Multiple sclerosis

D) Migraine

E) All of the above

**\*Answer:\* E) All of the above**