

A 22-year-old woman presents with a severe headache that is bilateral and began this morning. She complains that loud sounds, bright lights, and smells make the pain worse. A feeling of pins-and-needles began in the right hand and arm, which was noticed a few hours before the headache began that spread to her nose and mouth.

She vomited once and is extremely nauseated. Physical examination is normal.

- **classify causes of headache ? What is the most likely diagnosis?**
- **What is the best initial test?**
- **What is the best abortive therapy?**
- **What is the best prophylactic treatment?**

A 38-year-old woman presents with a headache that happens when she is stressed out. She notes the headaches last 4-6 hours and is mainly bilateral with constant pressure. Rubbing her temples improves symptoms and she notes that naps help.

- **What is the most likely diagnosis?**
- **What is the best therapy?**

A 27-year-old man presents with severe left-sided headache and left eye pain. He notes he gets similar headaches 4-5 times per day, lasting about 30-60 minutes at a time, with a similar episode 2 months previously. On examination, a red, tearing eye that is painful to palpation with rhinorrhea is noted. A CT scan is performed that is normal.

- **What is the most likely diagnosis?**
- **What is the best initial therapy?**
- **What is the best prophylactic therapy?**

A 51-year-old man presents with severe sharp pain over the left side of his face. The pain is described as severe sharp electric shocks and occurs with touch, shaving, and brushing his teeth.

- **What is the most likely diagnosis?**
- **What is the best initial therapy?**
- **What is the best long-term therapy?**