

## SKULL X-RAYS -- QUESTIONS

### **S-1**

- A. ID feature and bone
- B. ID feature and bone
- C. ID bone
- D. ID bone and feature

### **S-2**

- A. ID cavity
- B. ID cavity

**S-3 Child's skull** (note double row of teeth in mandible).

- A. ID feature
- B. ID feature and bone

### **S-4**

- A. ID bone
- B. ID bone
- C. ID feature
- D. ID feature

### **S-5**

- A. ID cavity
- B. ID cavity
- C. ID cavity
- D. ID bone
- E. ID sinus

**S-6** – Look Ma! No teeth! Geriatric skull – Compare to S-3

- A. ID sinus
- B. ID bone & feature

**S-7** – Ouch! Observe bilateral fracture of mandibular rami.

**S-8A&B** – Different patient, same problem as S-7, but surgically repaired.

- A. ID sinus
- B. ID feature

**S-9** This is why you don't stand in front of a shotgun!

**S-10** – These pictures of a 4-months's skull were taken to investigate the malformation of the occipital bone. They revealed an unrelated deficit in ossification of the left parietal bone. Fortunately, this child was just "slow" (remember Rule #2?) ossifying and all problems corrected themselves as she matured.

#### A. Frontal view

1. ID feature
2. ID feature

#### B. Left lateral view

1. ID feature
2. ID feature
3. Note "absence" of squamosal suture: it's formed properly and therefore not visible.

#### C. Superior view

1. ID feature
2. Note numerous "holes" in R. parietal bone where ossification is behind schedule.

#### D. Inferior view

Note incomplete ossification of nasal septum and hard palate. This is normal at this age.

## **SKULL X-RAYS – ANSWERS**

### **S-1**

- A. condylar process of mandible
- B. ramus of mandible
- C. occipital bone
- D. body of hyoid bone

### **S-2**

- A. frontal sinus
- B. maxillary sinus

### **S-3**

- A. orbit
- B. perpendicular plate of ethmoid

### **S-4**

- A. vomer
- B. inferior nasal concha (turbinate)
- C. hard palate
- D. mastoid process: note air cells

### **S-5**

- A. anterior cranial cavity
- B. middle cranial cavity
- C. posterior cranial cavity
- D. parietal
- E. sphenoid sinus

### **S-6**

- A. frontal sinus
- B. perpendicular plate of ethmoid

### **S-8**

- A. frontal sinus
- B. sella turcica

### **S-10**

#### A. Frontal

1. anterior fontanel
2. coronal suture

#### B. L. lateral

1. lambdoidal suture
2. posterior lateral fontanel

#### C. Superior

1. sagittal suture