MRAD 256 – Radiographic Technique 2 : Sinuses, Nasal Bones, Mandible and TMJ

Plan and perform an imaging procedure for the sinuses, nasal bones, mandible and TMJ.

Instructions

1. One group member must volunteer to act as a patient for an instructor demo.

2. Observe the instructor demo, taking notes as needed

   a. *Opportunity to ask questions after demo is complete*

3. As a group decide who will begin performing the following roles:

   a. Technologist
   b. Patient
   c. **Observer/assisting technologist* (applies to groups of 3)

4. The acting technologist should begin positioning a patient for **Sinuses and Nasal Bones** imaging:

   a. Complete all projections: Sinuses – Caldwell, Water's and lateral Nasal Bones - Waters and lateral
   b. Maintain a workflow (i.e. select pt. info on the console, prep the exam room etc.)

i. Audibly say "beep" when a pt. is properly positioned, and you are ready to "expose"

5. Switch roles and repeat step 4 (until everyone has completed positioning all projections)

a. *When switching roles, move the equipment into a completely different position*

b. Repeat steps 3-5, except practice positioning a patient for **Mandible** imaging: PA, Townes axial and axiolateral oblique

6. Repeat steps 3-5, except practice positioning a patient for **TMJ** imaging: Axial Townes and open and closed mouth

7. As time permits, repeat steps 3-7 to successfully accomplish the lab goals

Goals:

1. Perform the sinuses and nasal bones exams within 40 minutes or less
2. Perform an entire mandible exam within 20 minutes or less
3. Perform an entire TMJ exam within 20 minutes or less

Overall goal: perform room setup within 2 minutes (includes pt. double id.), and 10 minutes positioning per projection*

Notes:

- Use/share the requisitions provided at your room
- For CR select the appropriate size cassette for your patient's anatomy
- SID must be measured for accuracy, once equipment is lined up appropriately
- Ensure the required anatomy is centered on the image receptor
- Collimated light field borders should extend ½-inch to less than 1-inch beyond all required anatomy
- Follow Edenbrook's Marker Rules
- Ask your supervising instructors for assistance as needed