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Subject. Maxillofacial surgery

Q: Enumerate all hand instruments used in the dental clinic along with their uses in detail and diagrams?

Ans:

1/MOUTH MIRROR:

Function:To view tissue of the oral cavity
reflect light for better visibility

Clinical Application: Also used to retract and
protect tongue check

Diagram:



2/DENTAL EXPLORER:

Function:To examine tooth surfaces for caries, calculus, or defects using sense of touch

Clinical Application:Also used to:

Remove excess material from restoration or preparation.

Remove excess cement.

Diagram:



3: COTTON PLIERS:

Function:To place and remove small object from the oral cavity (i.e cotton pellets,root canal instruments,wedge)

Clinical Application:Also used to retract material from drawers and containers to avoid cross-Contamination

Diagram:



4: PERIODONTAL PROBE:

Function:To measure depth of gingival sulcus.

Clinical Application: Also used to measure gingival recession.

Diagram:



5:SALIVA EJECTOR TIP:

Function:To remove saliva and maintain dry field using lowvalume evacuation.

Diagram:



6: ANESTHETIC SYRINGE:

Function:To deliver local anesthesia to intraoral site.

Clinical Application:An aspirating syringe has a harpoon on the end of the Piston, the no aspirating syringe don't with pressure, the harpoon imbeds in the rubber stopper of the ANESTHETIC cartilage. As the dentist begins the injection, he/she draws back on the thumb ring, pulling the harpoon and the rubber stopper back and creating a vacuum.

Diagram:



7:ISTRALIGAMENT SYRINGE:

Function: Alternative method of delivering local anesthesia, generally to supplement a nerve block.injection is made in the periodontal ligament space.

Clinical Application:Uses 30-gauge short needles and standard 1.8 ml anesthetic cartilage.

Diagram:



10: ELEVATOR:

During the extraction process, elevator instruments are used to pry back the gum tissue and dig underneath the tooth in order to thrust the tooth upward for extraction. These elevators also come in small, medium and large size.

Diagram:



11:FORCEPS:

There are variety of forceps used in extraction procedure. There are upper anterior, lower anterior, upper posterior, and lower posterior forceps. Each of these particular forceps also comes in pediatric size.

Diagram:

