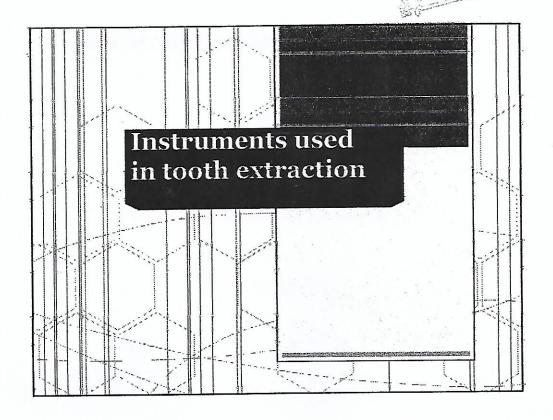
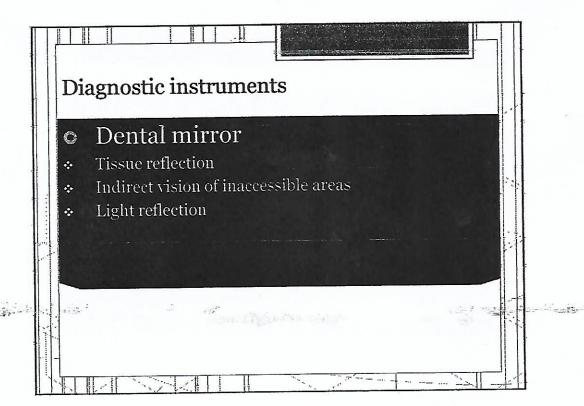
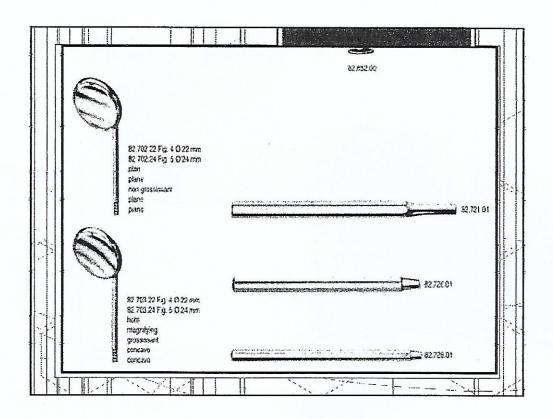
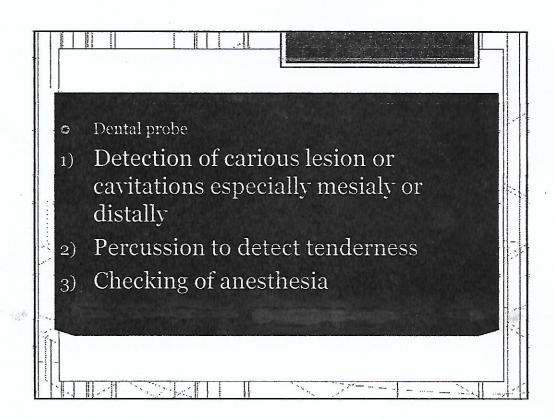
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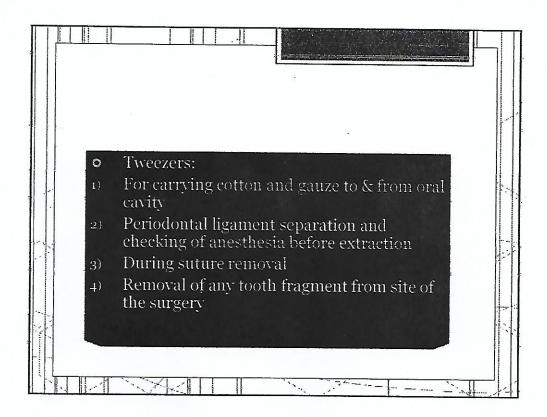


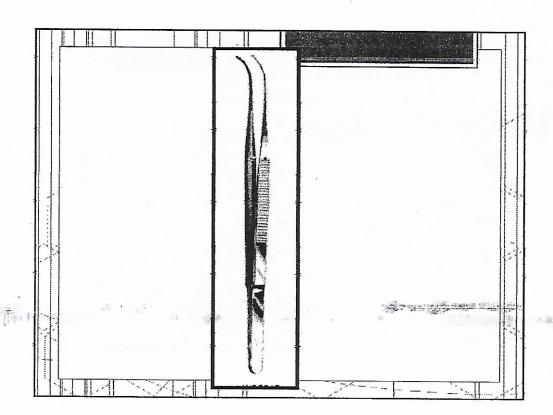






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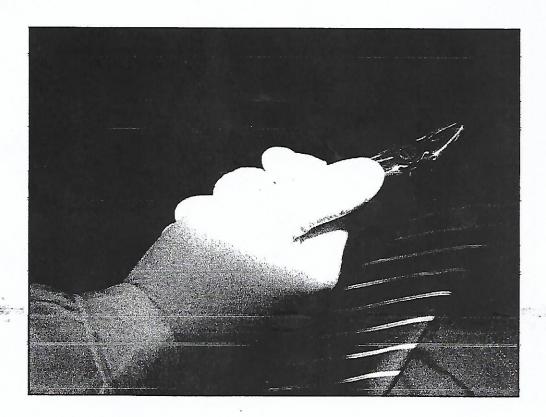
Extraction Forceps

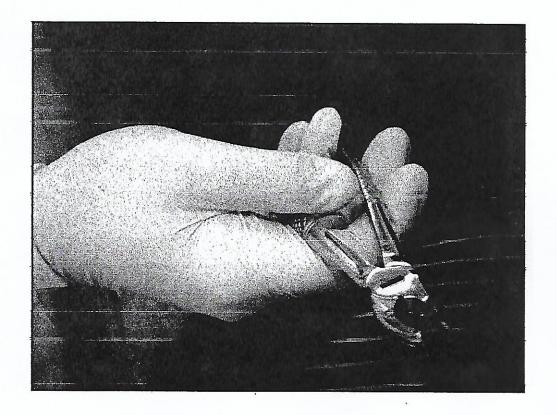
Principles of design

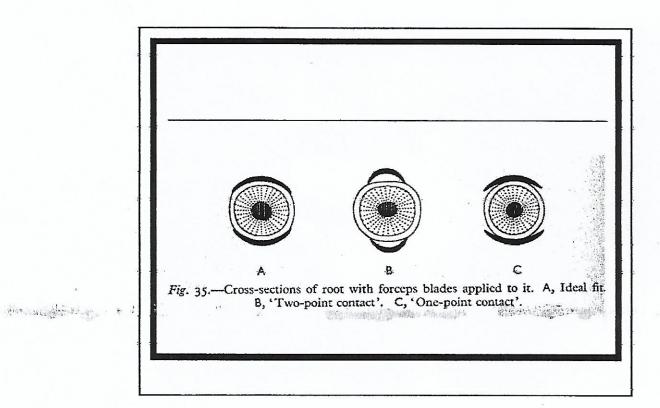
- The larger the ratio between handle and blades the greater the force or leverage which can be exerted upon the root.
- The length of the handles must be such that the forceps fit the operator's hand.
- 3. Dental forceps are designed to grasp the root or root mass of tooth and not to grasp the crown so the anatomy of the root is an important factor affecting the design of the forceps.
- 4. The forceps blades should be sharp in order to cut the periodontal ligament and easily fitted on the root surface.

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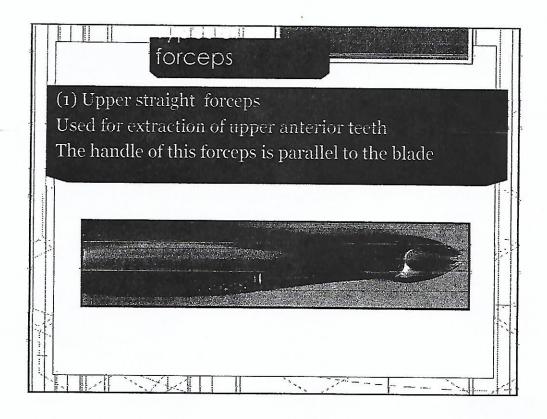
- 5. The inner surface of the blade should be concave. Ideally the whole of the inner surface of the blades should fit the root surface.
- 6. It should also conform along the crown length.
- 7. Forceps blades should be aligned with the long axis of the tooth for extraction to give maximum support and to distribute evenly the forces applied to the root. Incorrect alignment of the forceps may allow the instrument to slip off the root while pressure is applied and will concentrate the forces on the points of contact so increasing the likelihood of root fracture.

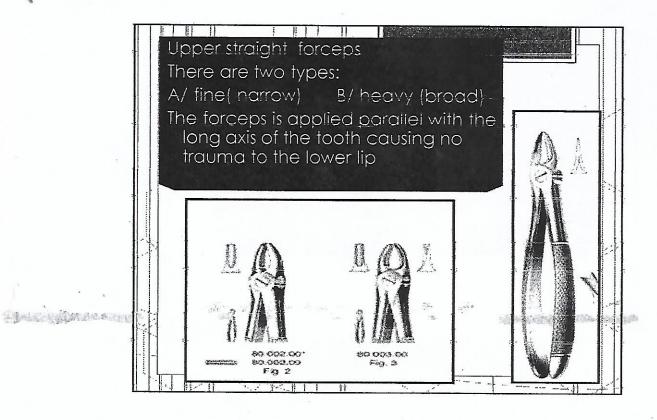




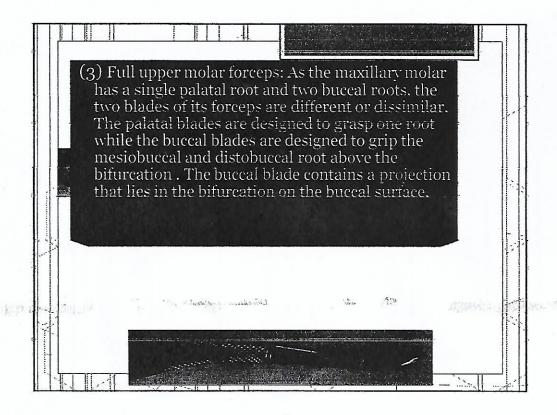


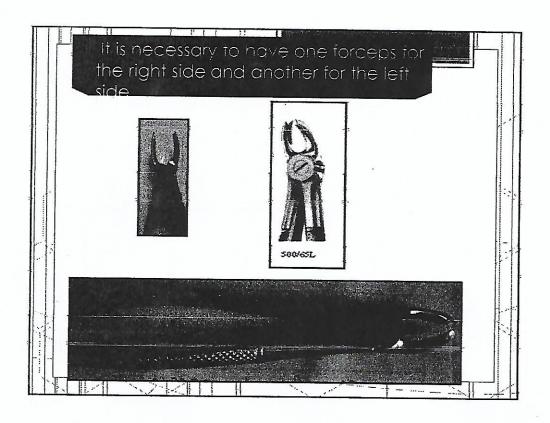
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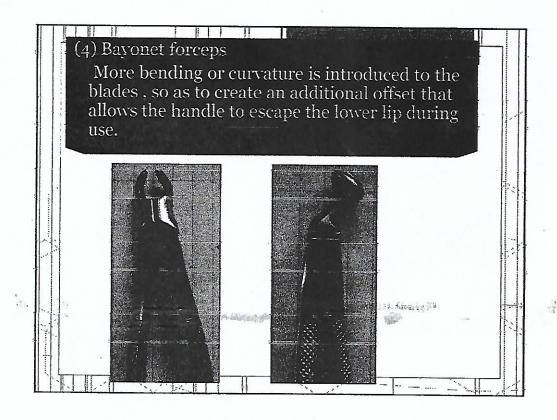


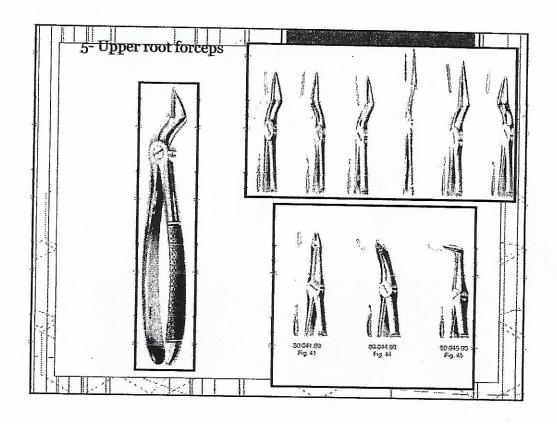


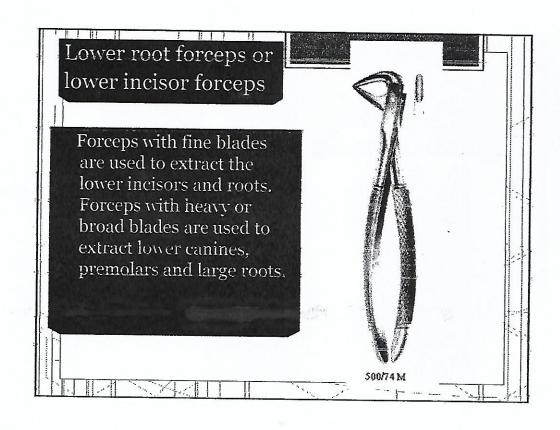
(2) Upper premolar forceps: Two bends are introduced into forceps for extraction of upper premolars. The instrument can used to extract both right and left upper premolar (the blades similar). The concavity of the handle fits on the operators hand with the concavity of the blades towards the occlusal surface of teeth

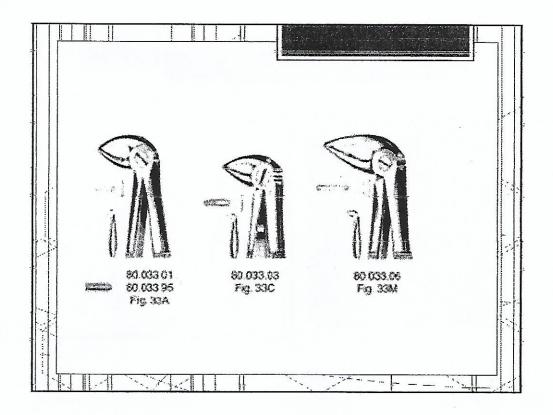


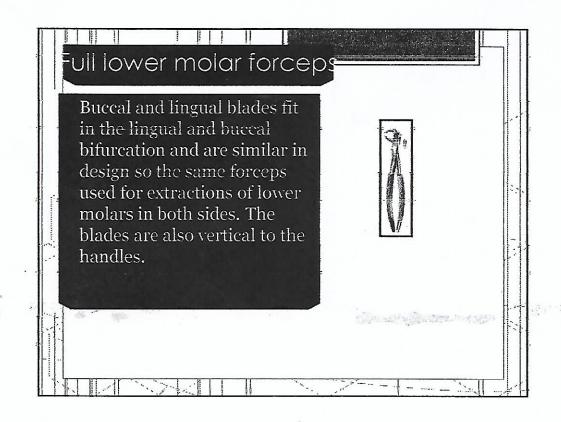


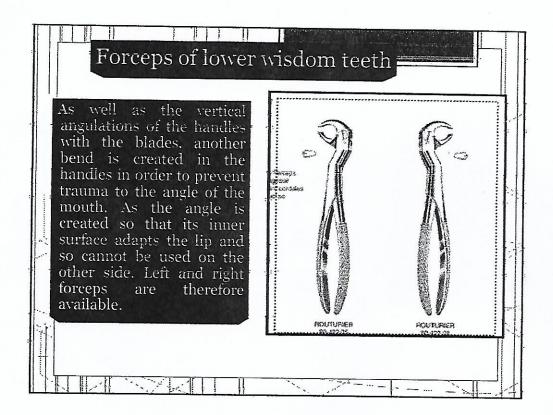












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