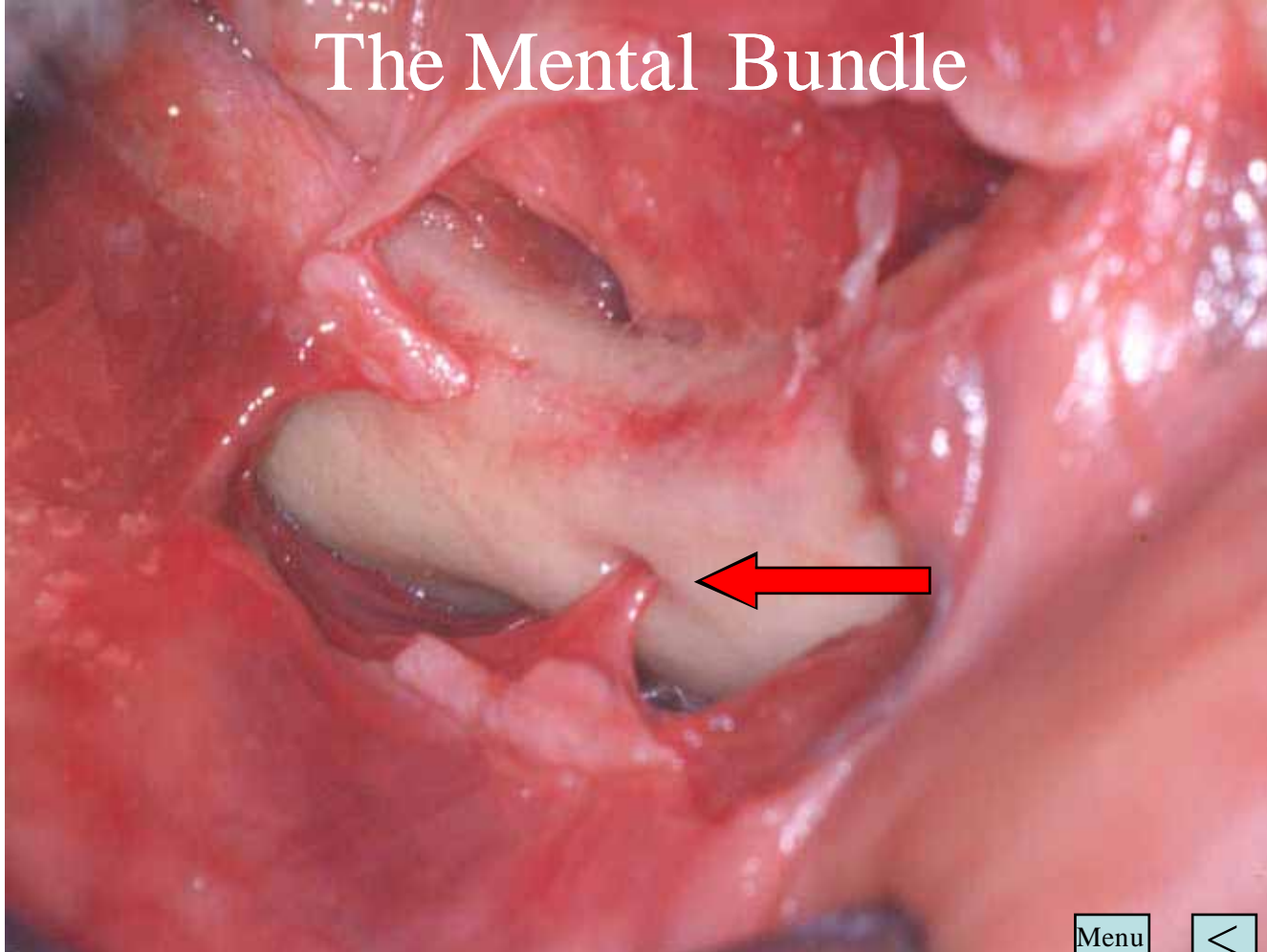


Mental Nerve Dissection

Menu



The Mental Bundle



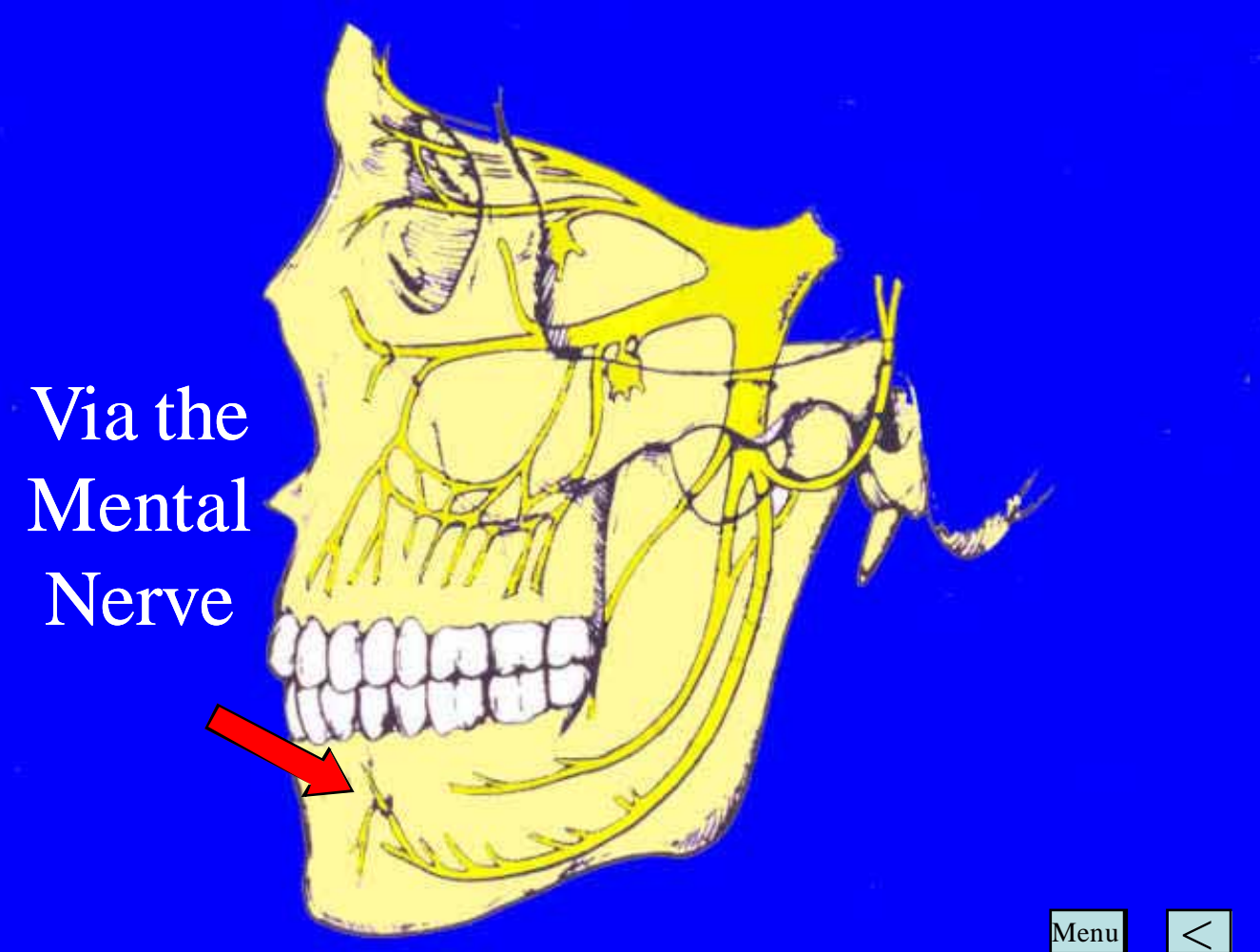
Menu



Sensory Impulse Transmission from the Lip and Part of the Chin

Menu

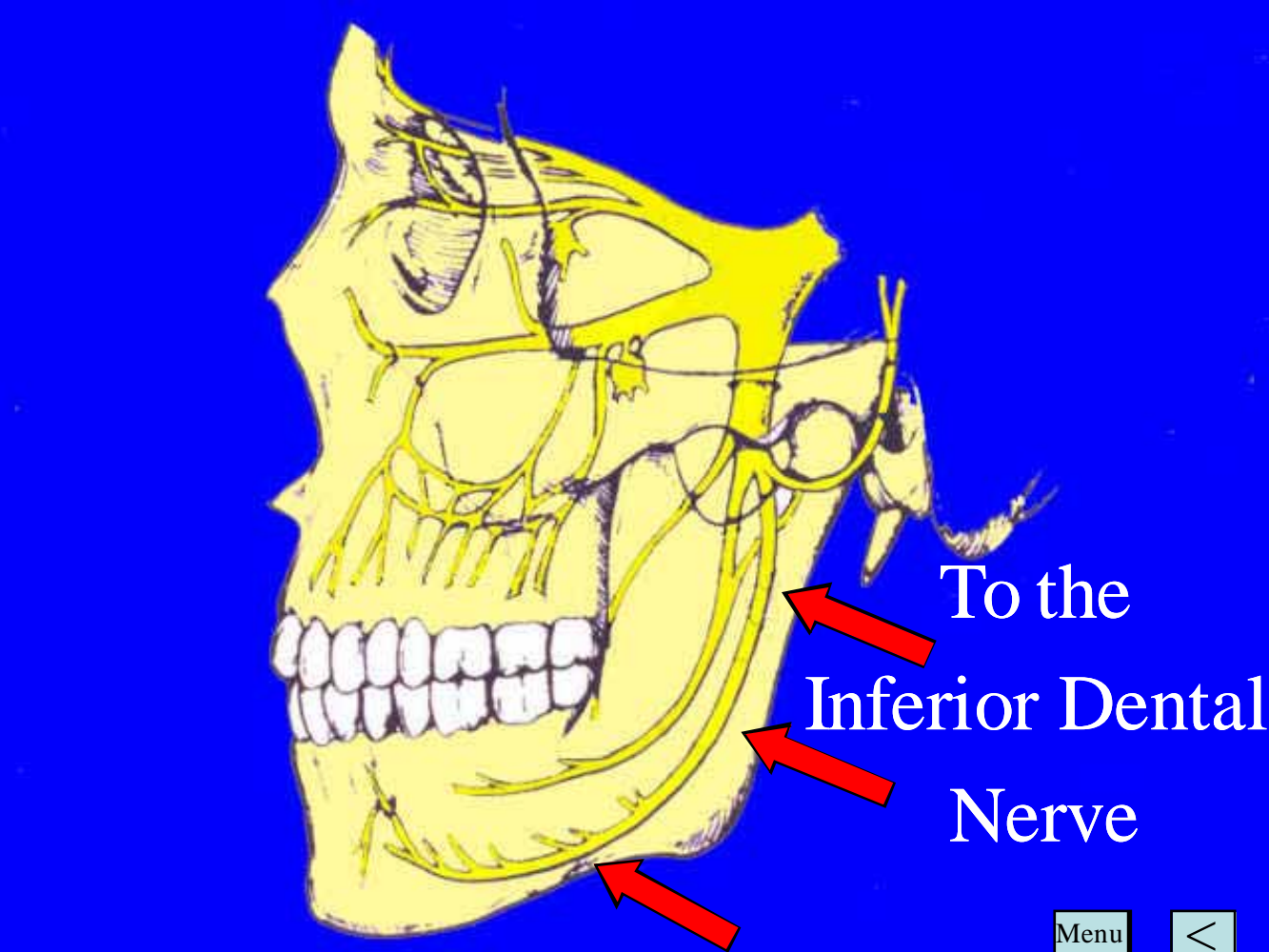




Via the
Mental
Nerve

Menu



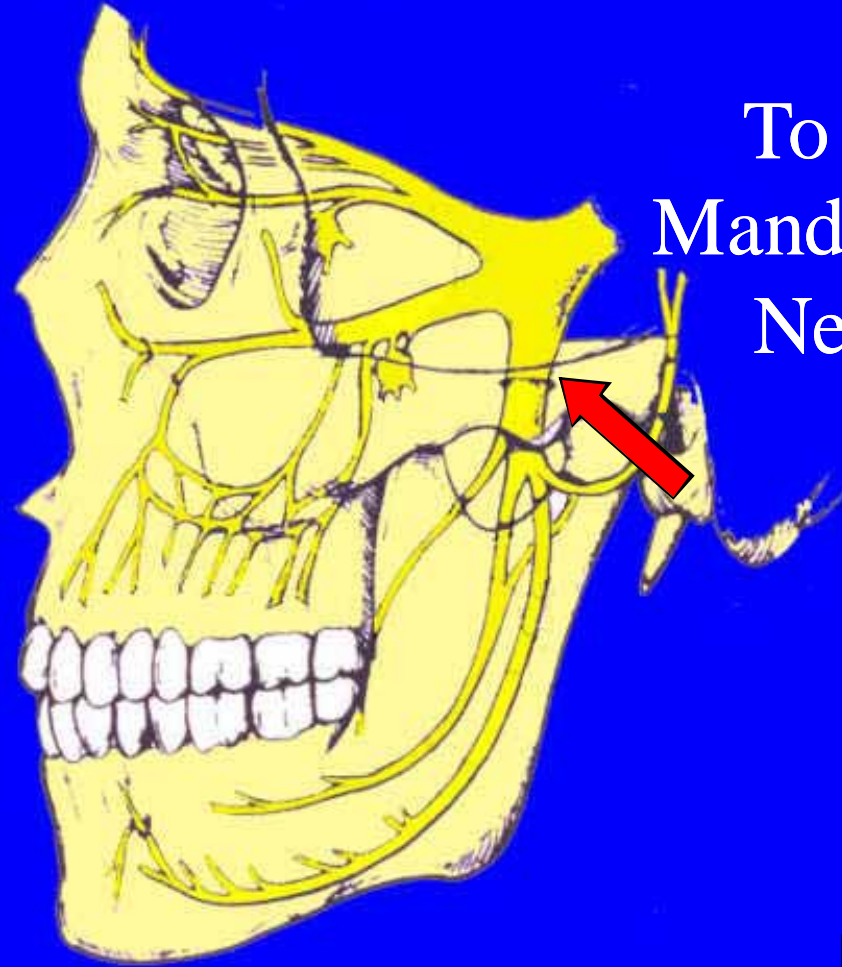


To the
Inferior Dental
Nerve

Menu



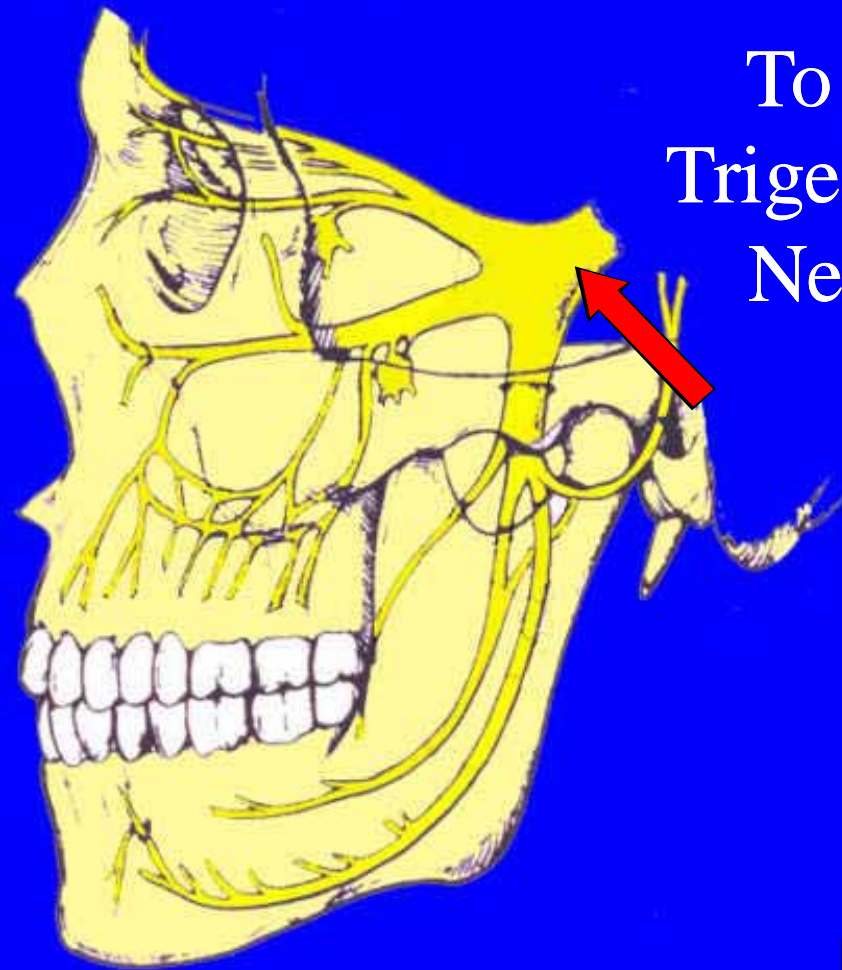
To the
Mandibular
Nerve



Menu



To the
Trigeminal
Nerve



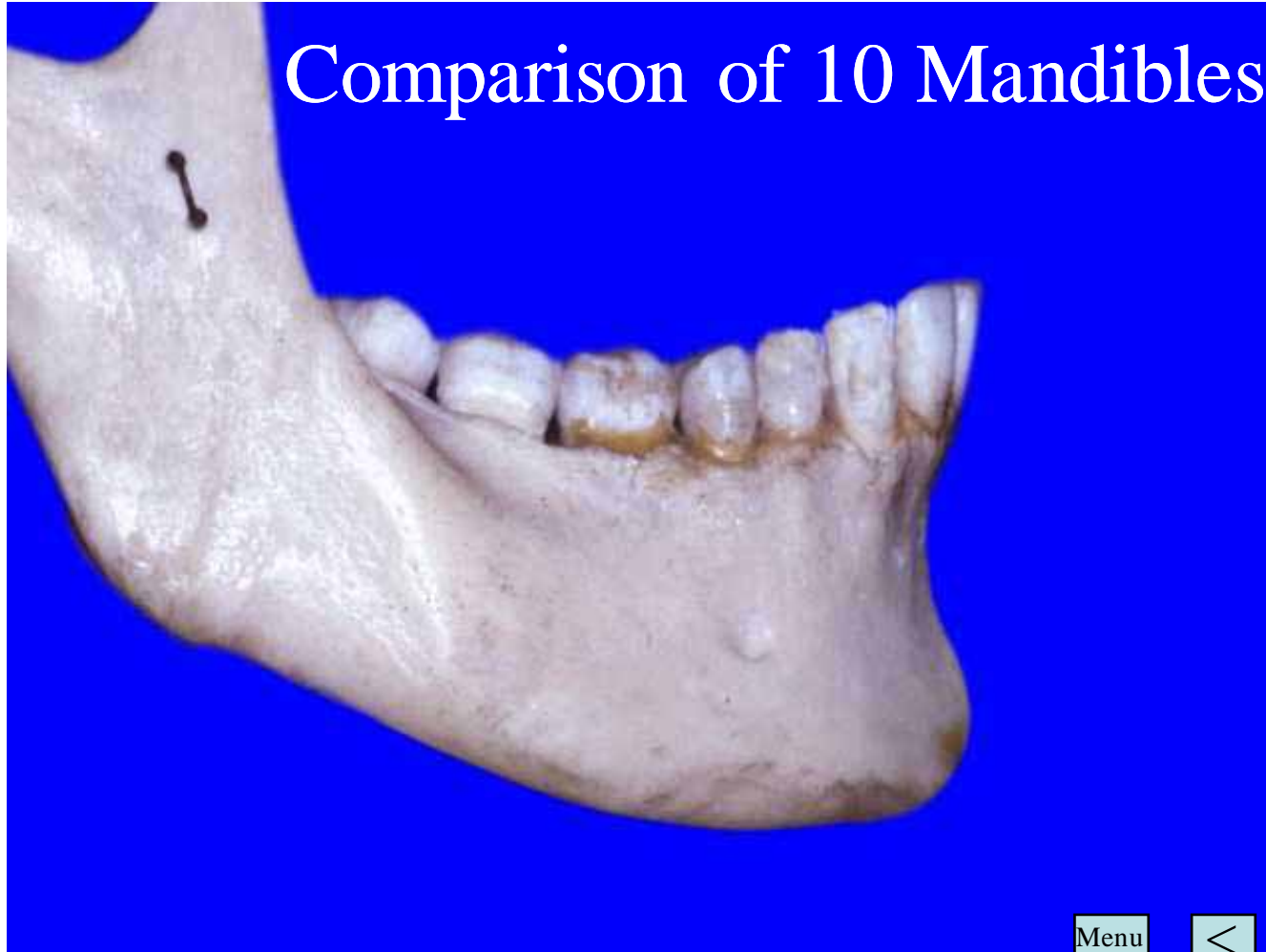
Menu



Mental Foramen Location



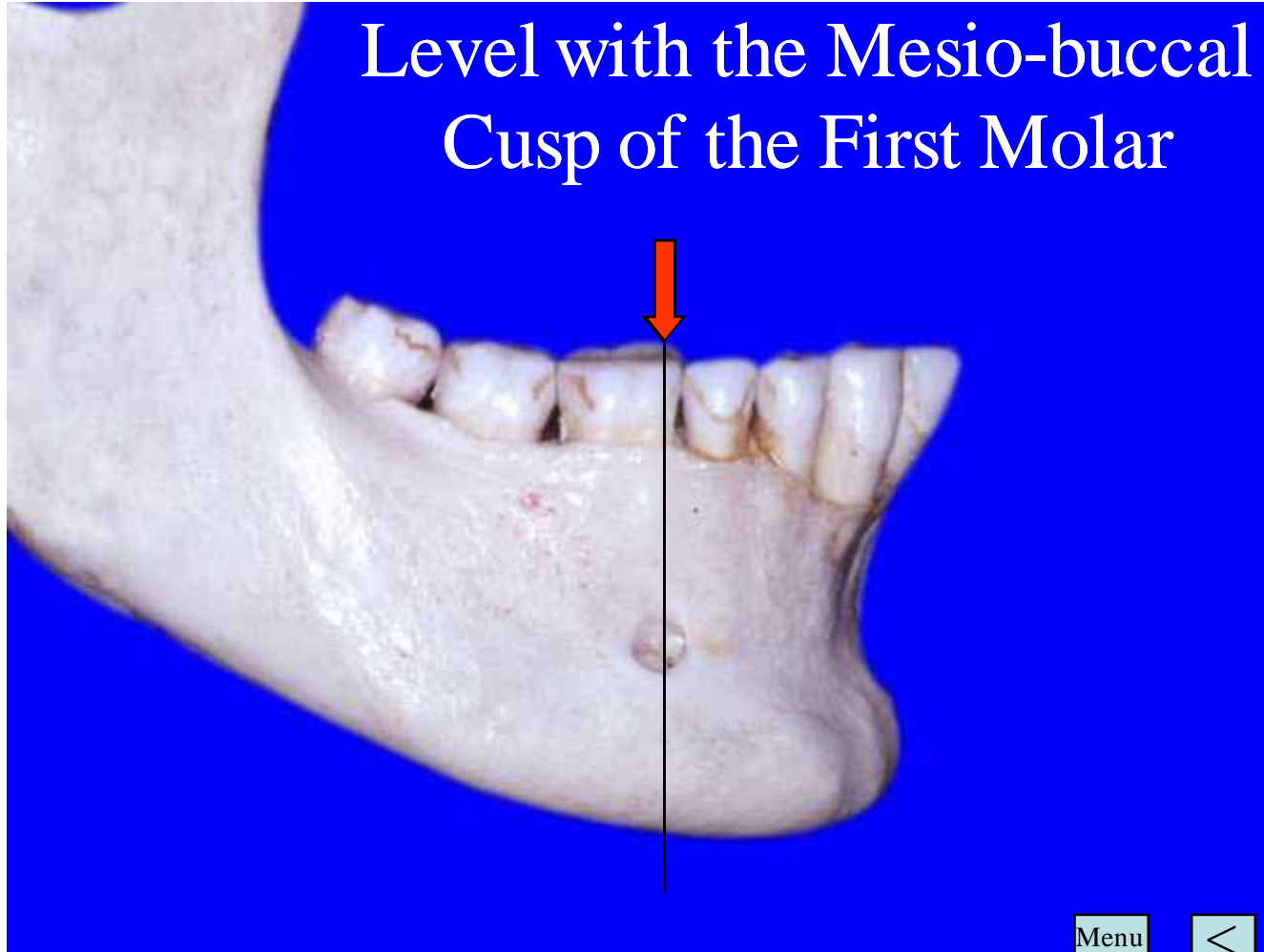
Comparison of 10 Mandibles



Menu



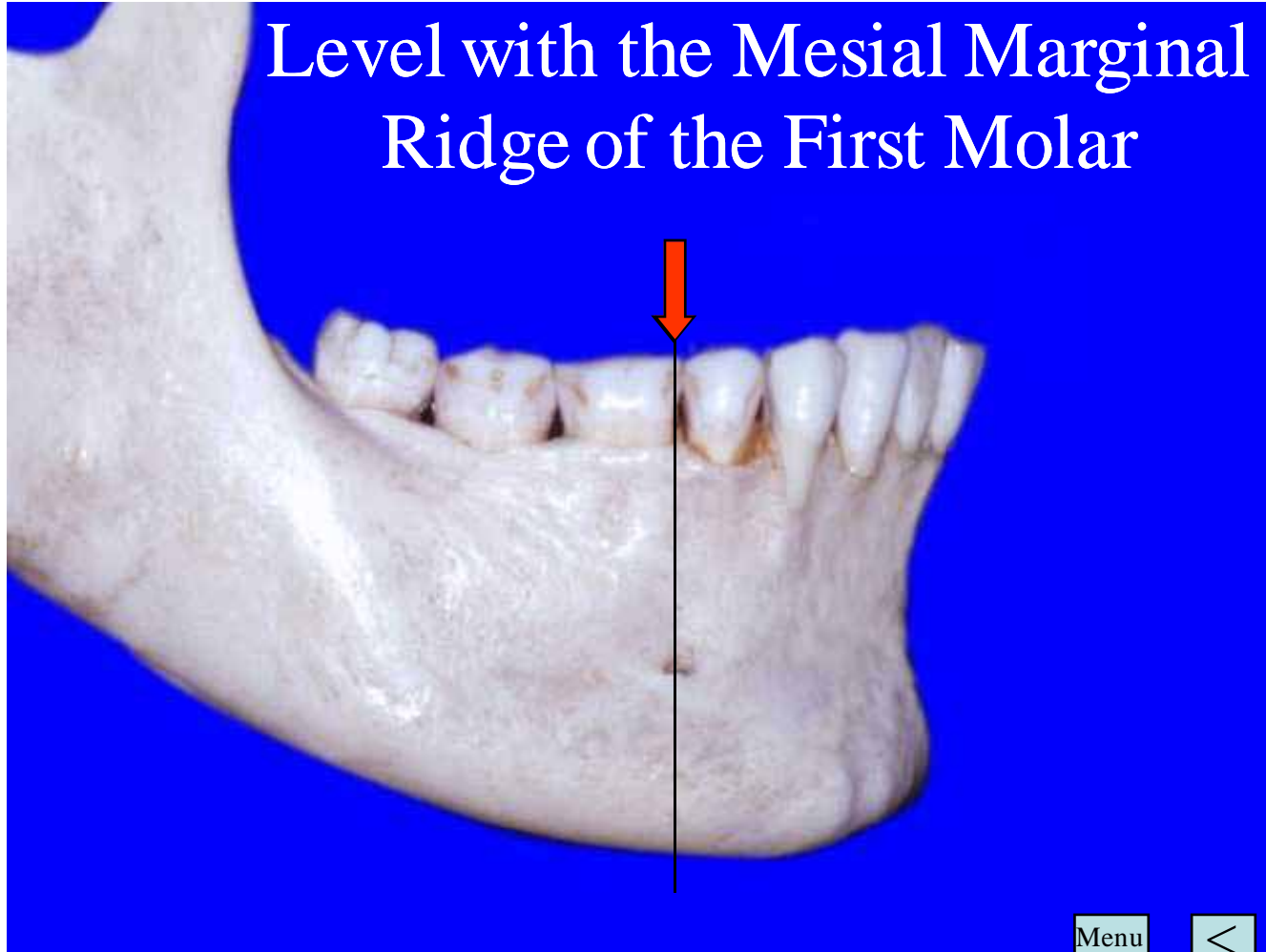
Level with the Mesio-buccal
Cusp of the First Molar



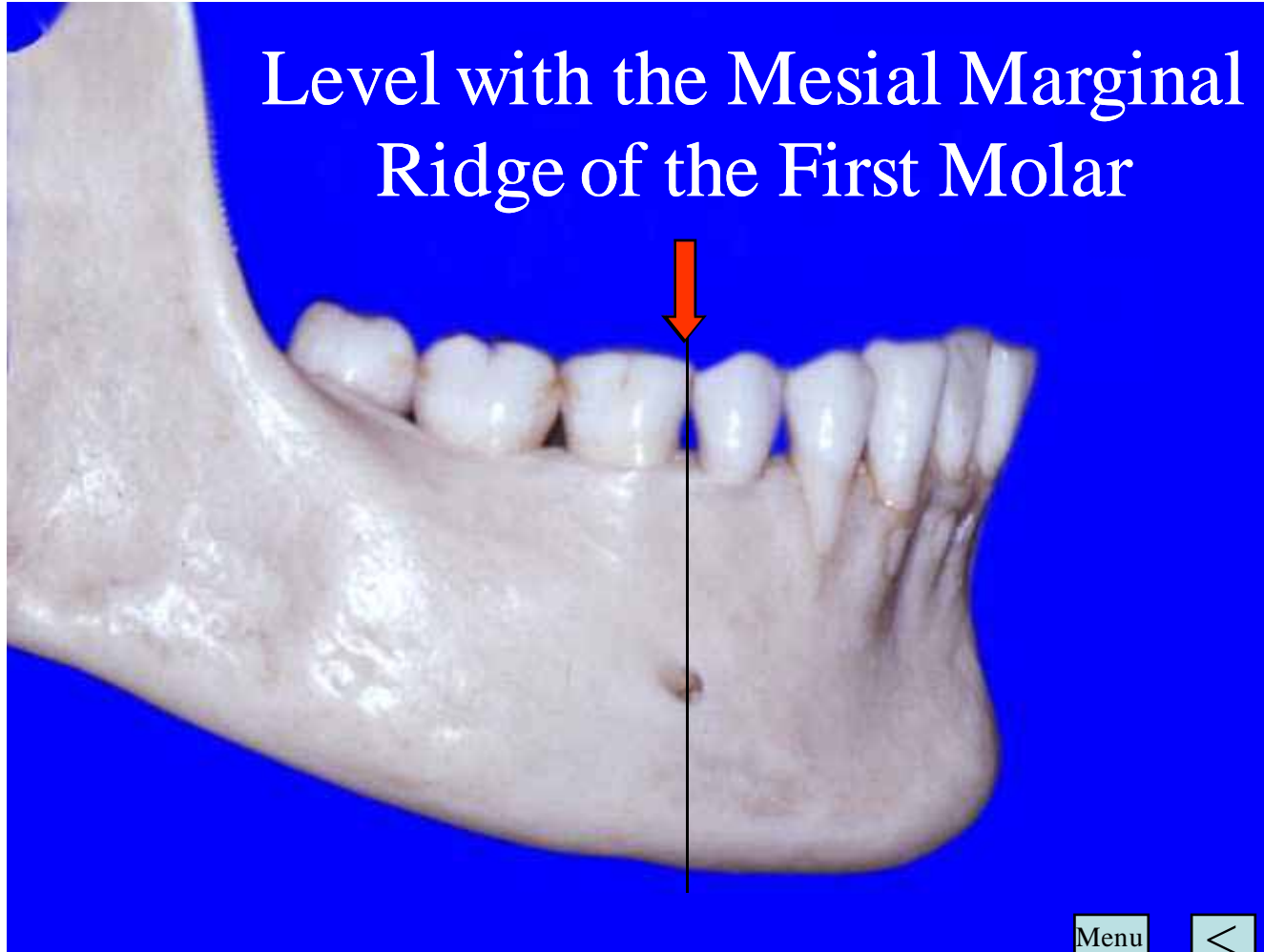
Menu



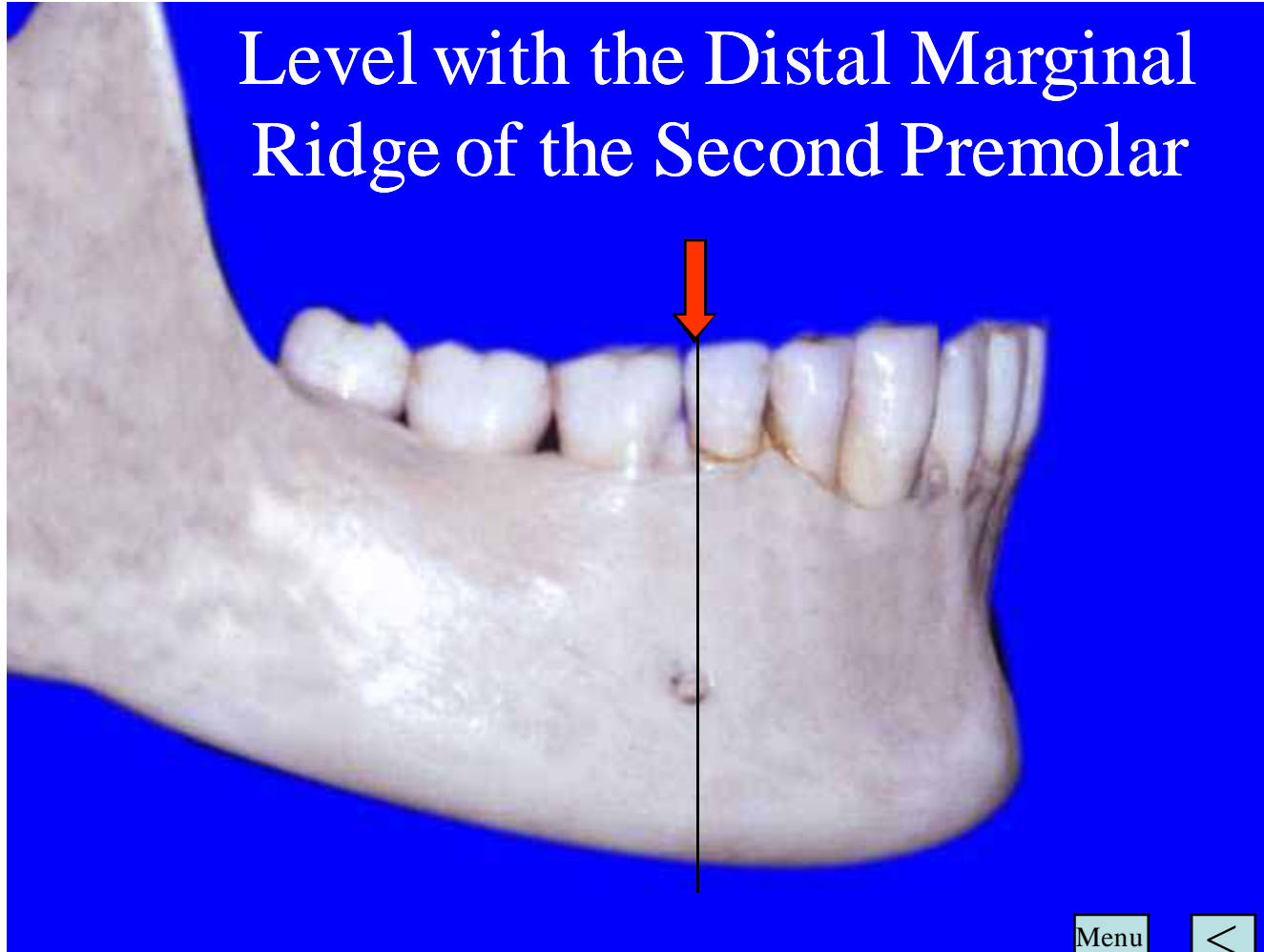
Level with the Mesial Marginal
Ridge of the First Molar



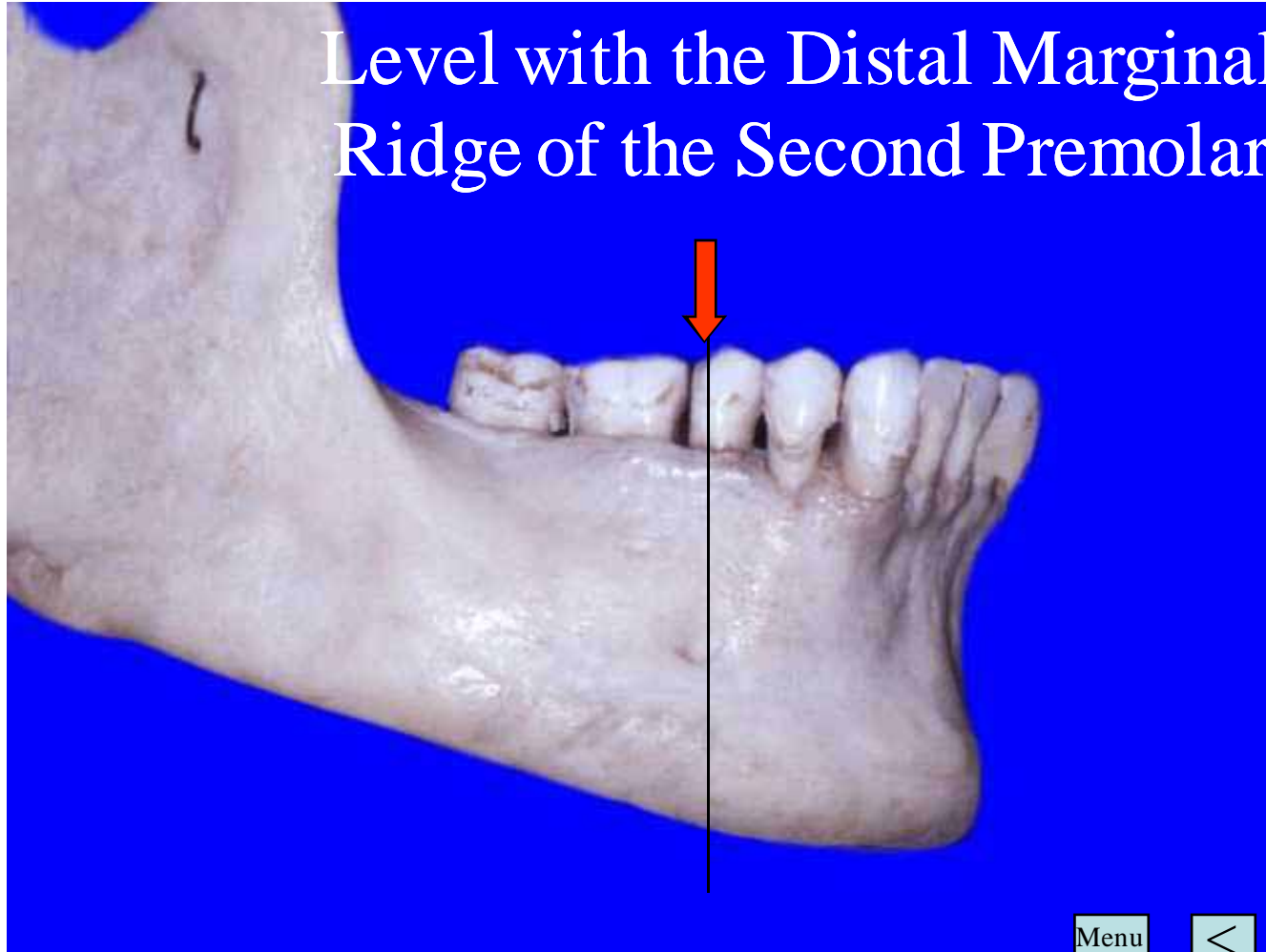
Level with the Mesial Marginal
Ridge of the First Molar



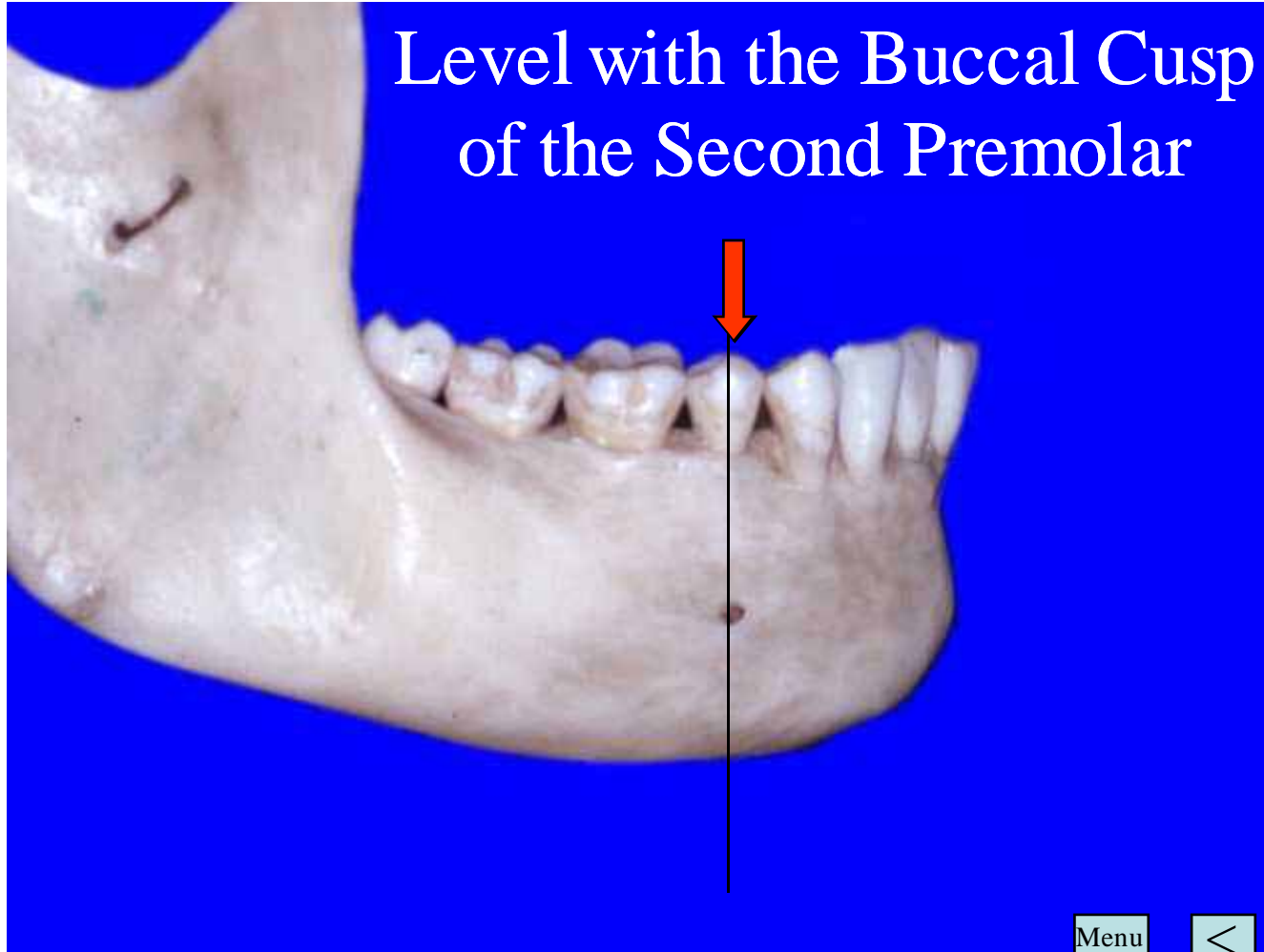
Level with the Distal Marginal
Ridge of the Second Premolar

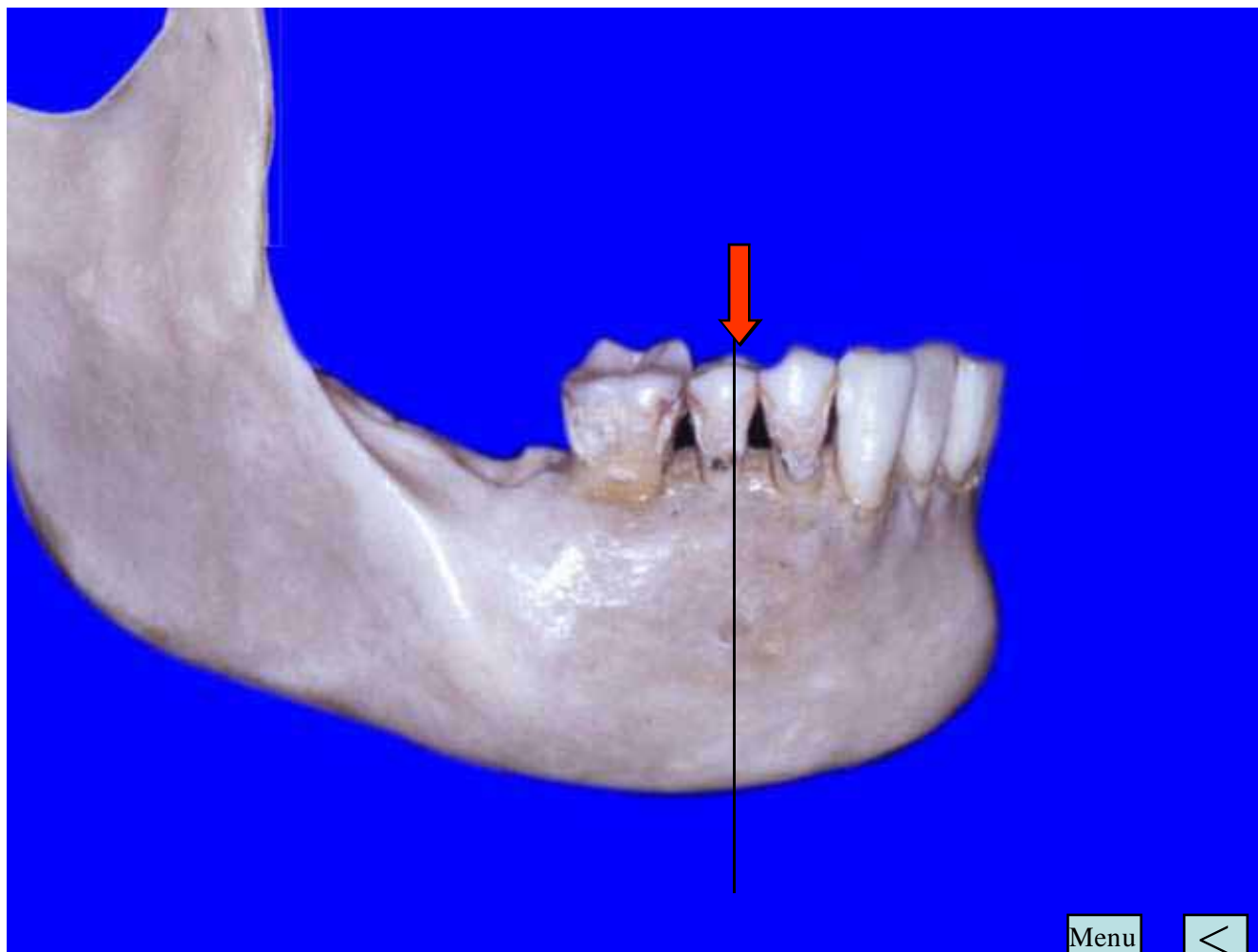


Level with the Distal Marginal
Ridge of the Second Premolar

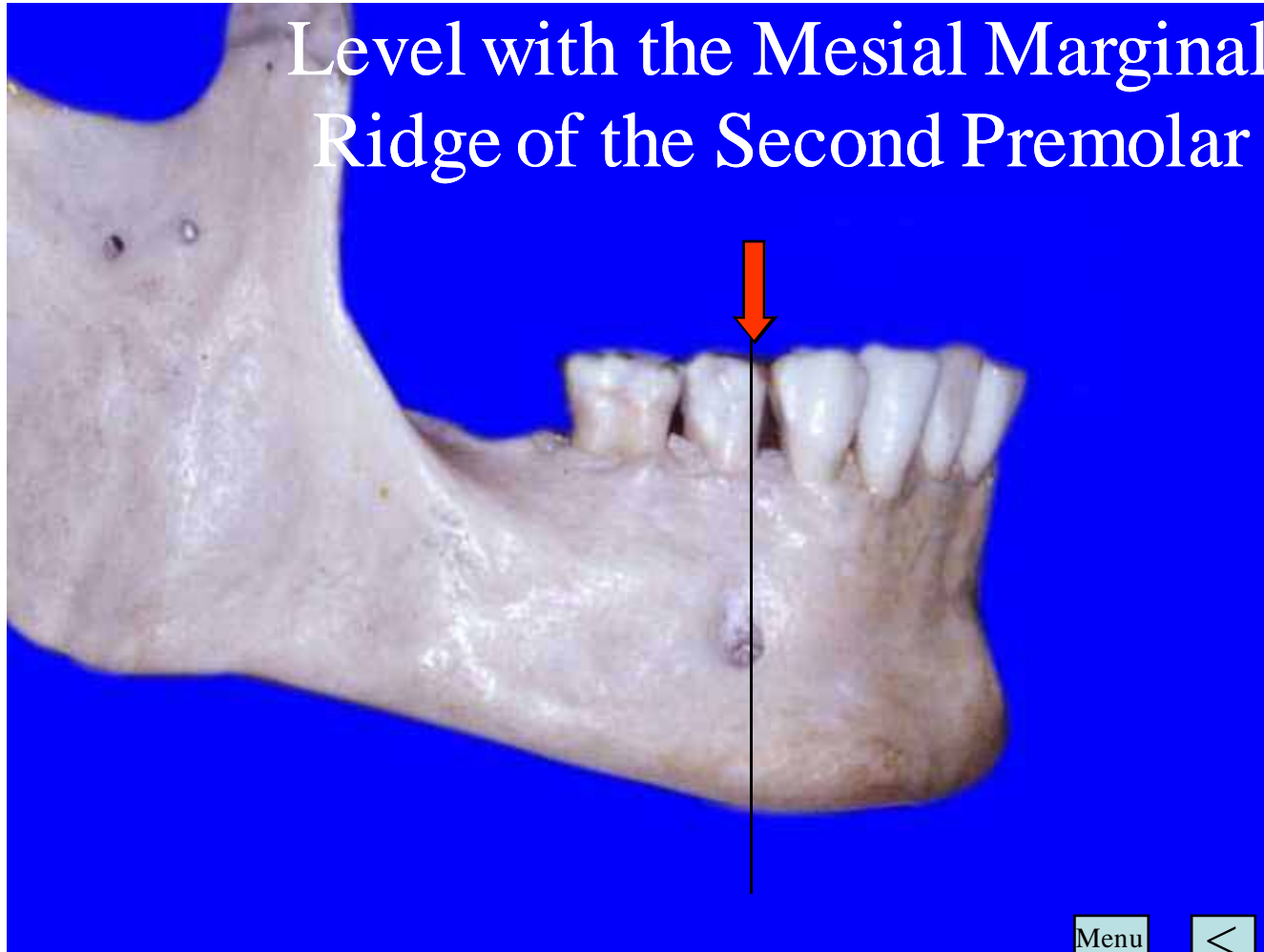


Level with the Buccal Cusp
of the Second Premolar

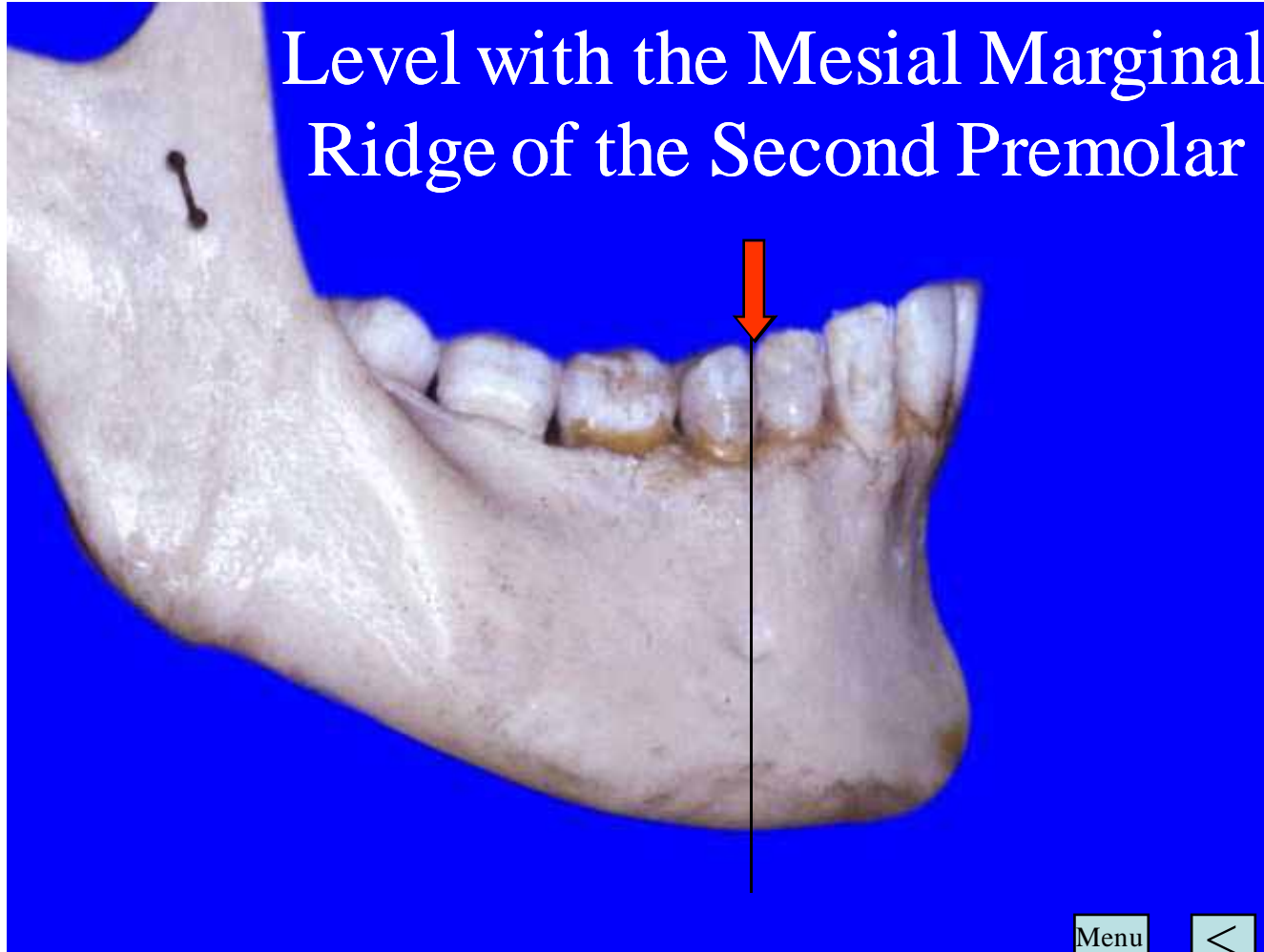




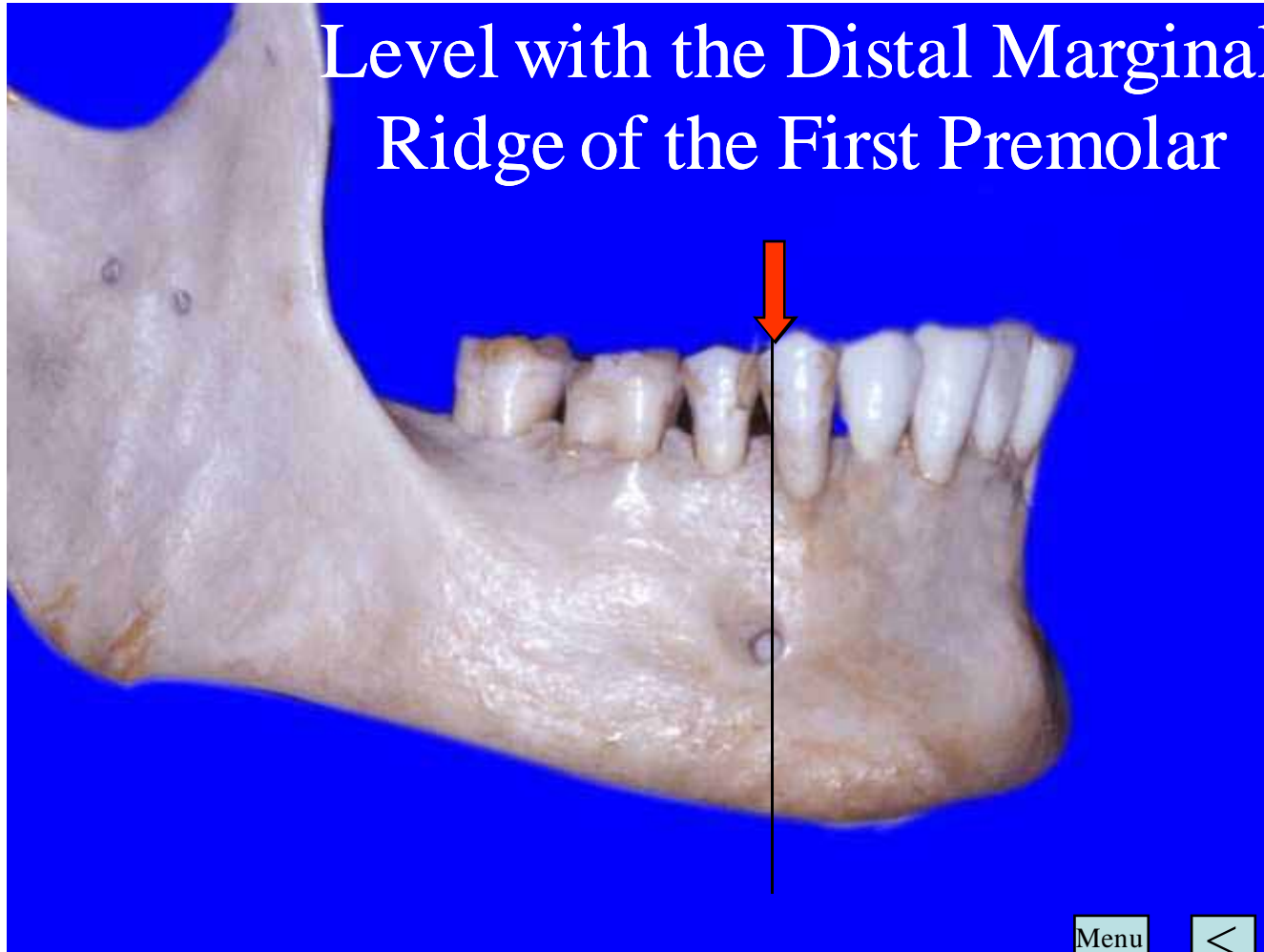
Level with the Mesial Marginal Ridge of the Second Premolar



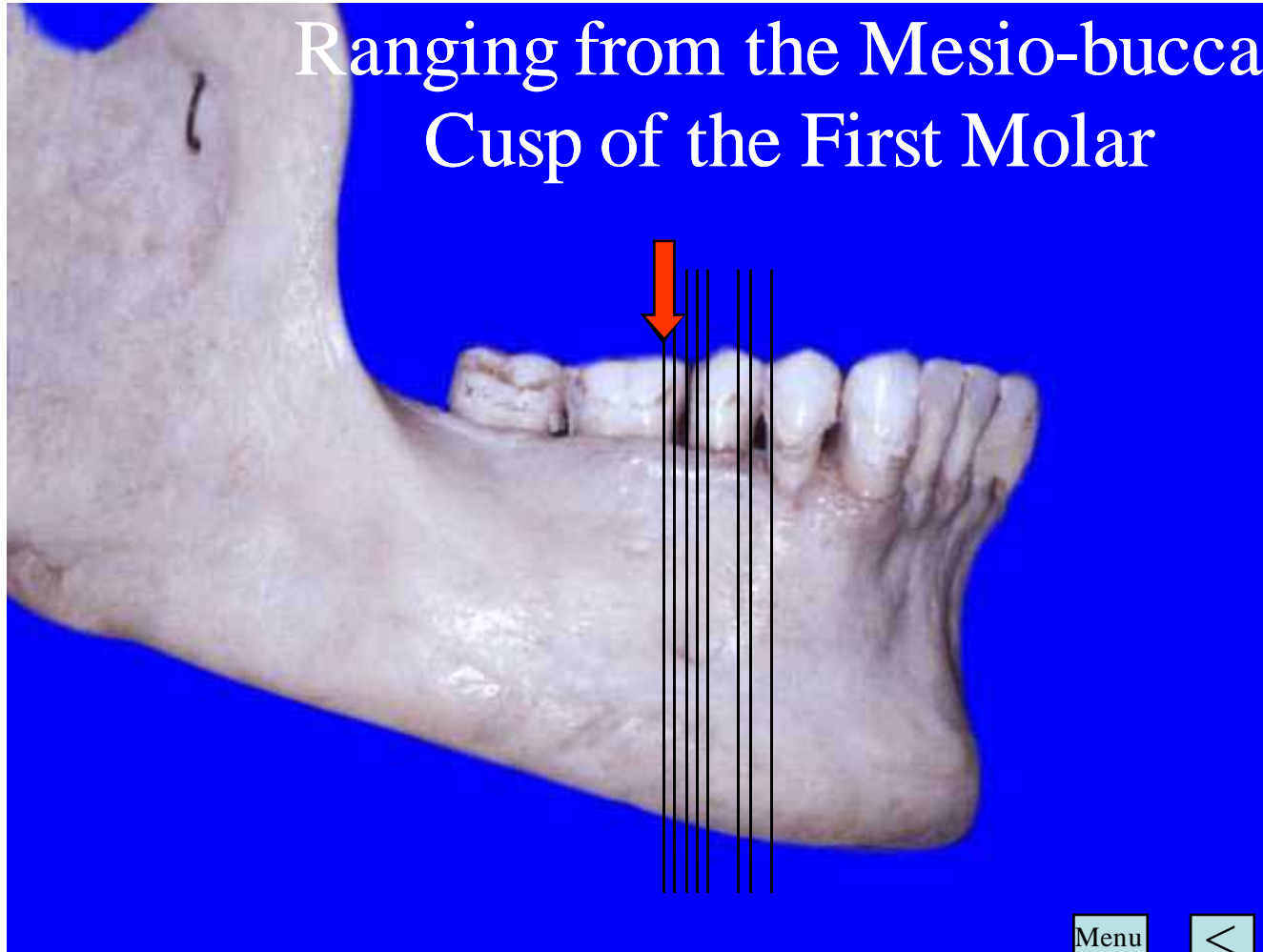
Level with the Mesial Marginal
Ridge of the Second Premolar



Level with the Distal Marginal
Ridge of the First Premolar



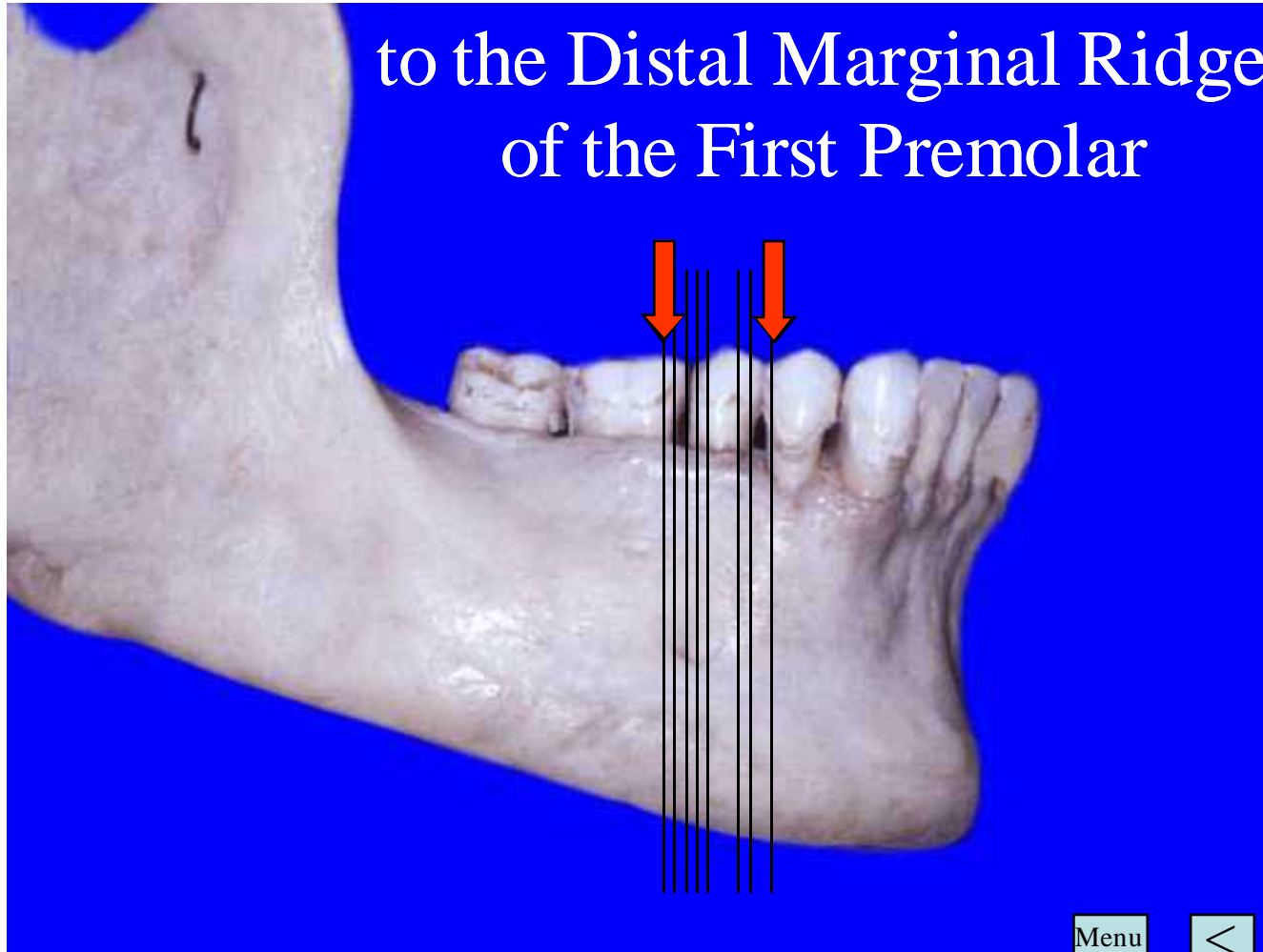
Ranging from the Mesio-buccal
Cusp of the First Molar



Menu



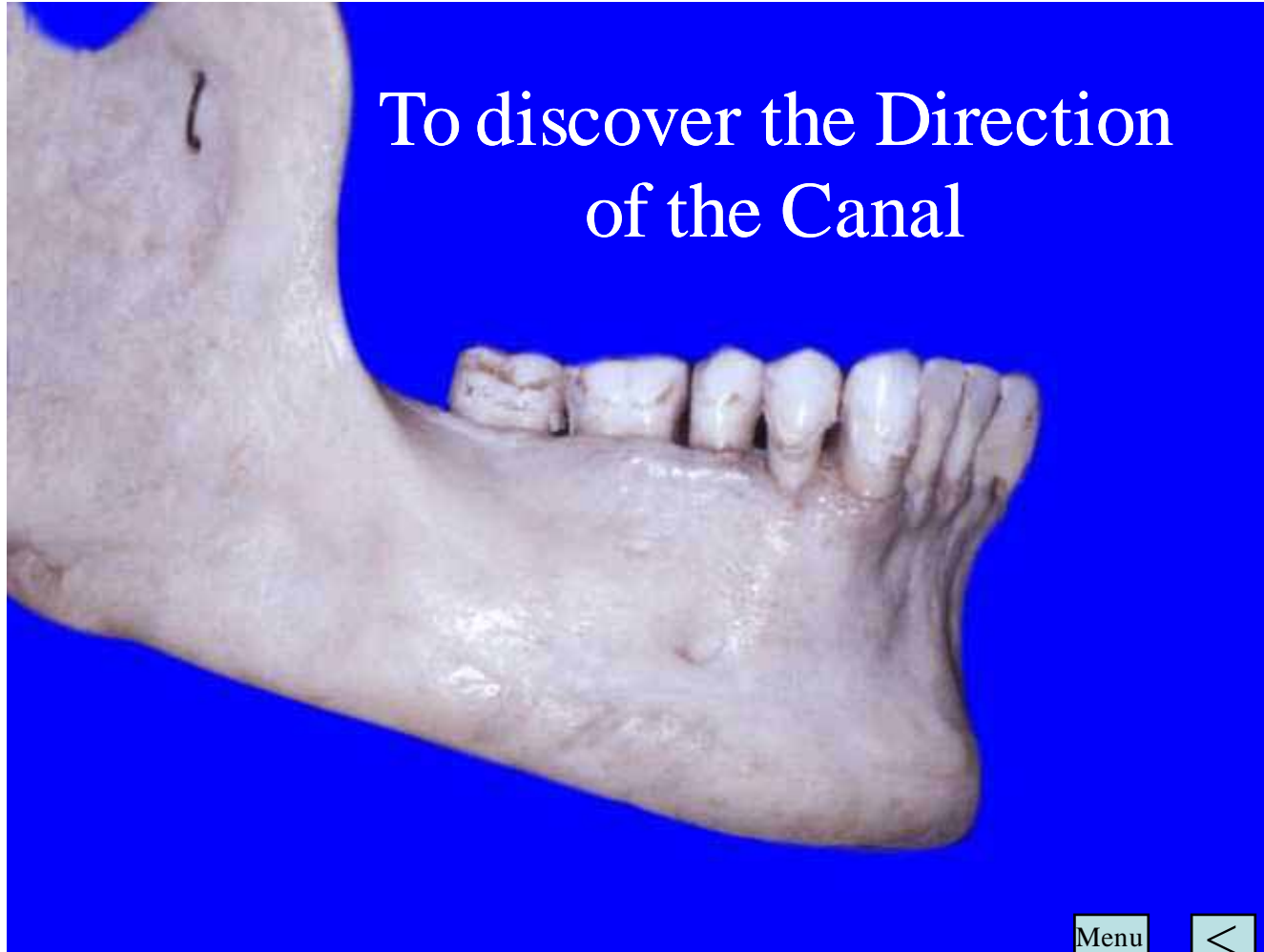
to the Distal Marginal Ridge
of the First Premolar



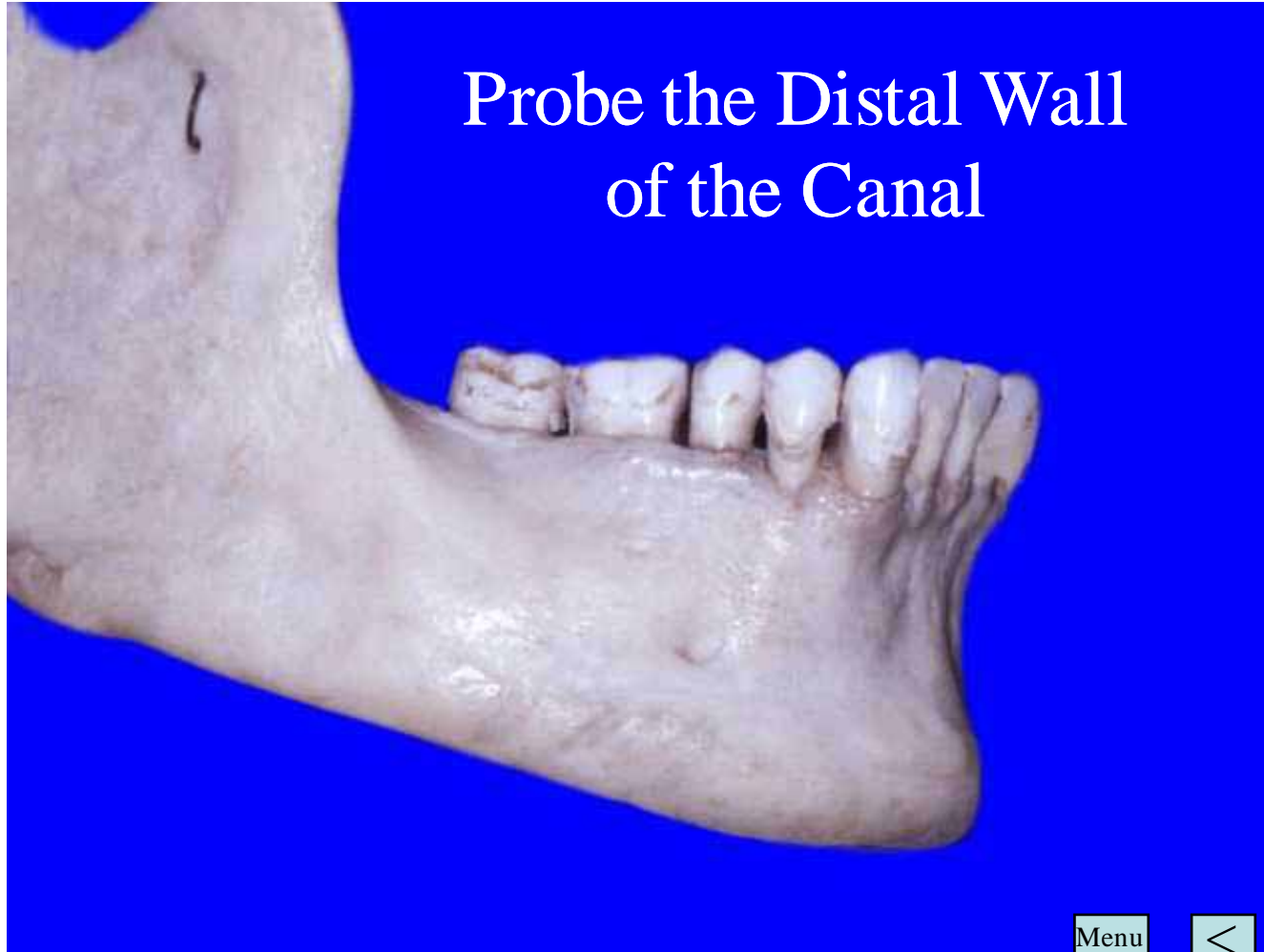
Menu



To discover the Direction
of the Canal



Probe the Distal Wall
of the Canal



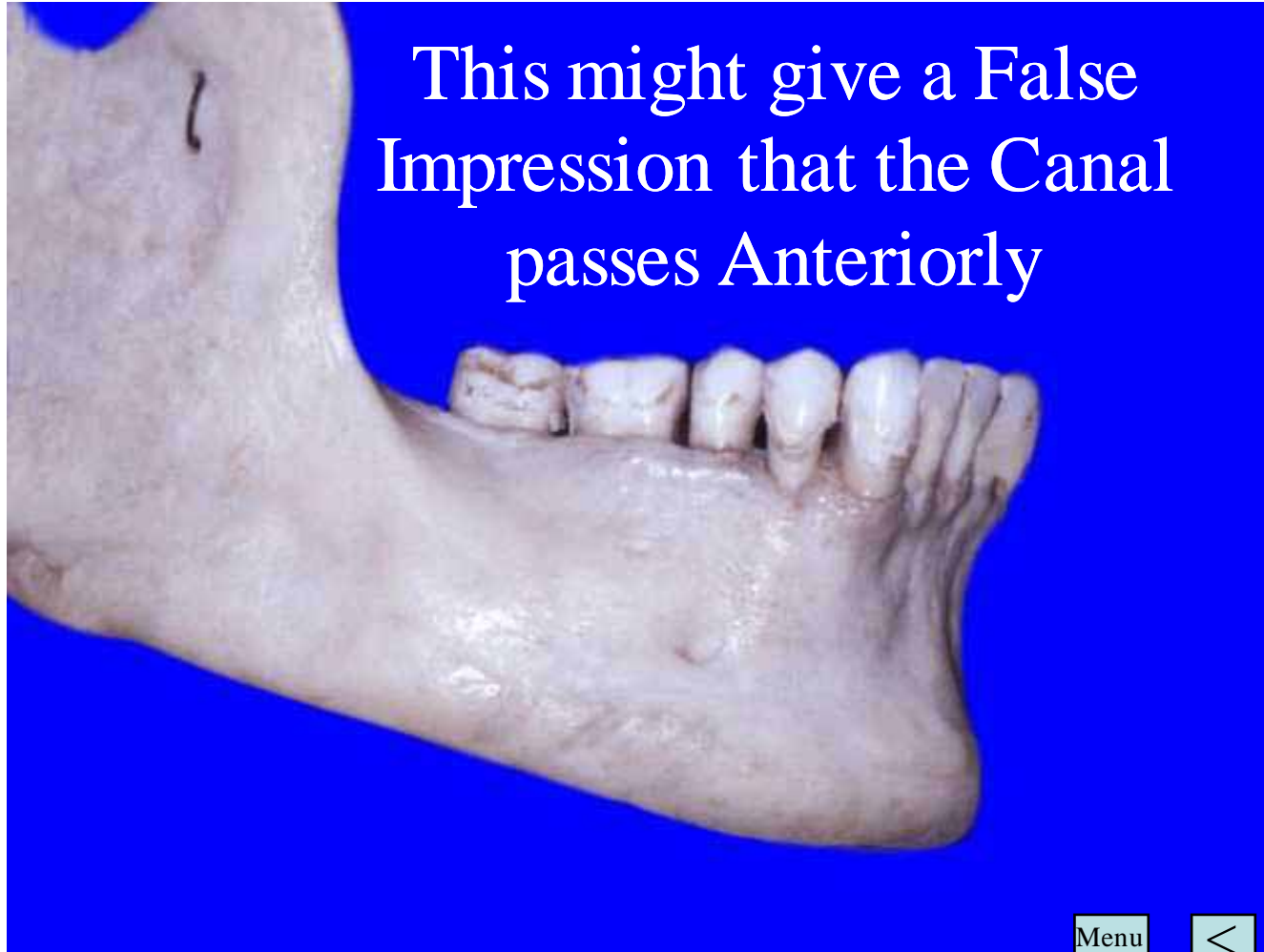
Menu



Probing the Canal Mesially
may encounter
the Incisal Canal



This might give a False
Impression that the Canal
passes Anteriorly



Menu



A Study of Direction of 56 Mental Foramina

- 62% Distally and Down
- 23% Straight Down
- 14% Forwards and Down

Anatomy and Direction of the Mental Canal



Menu

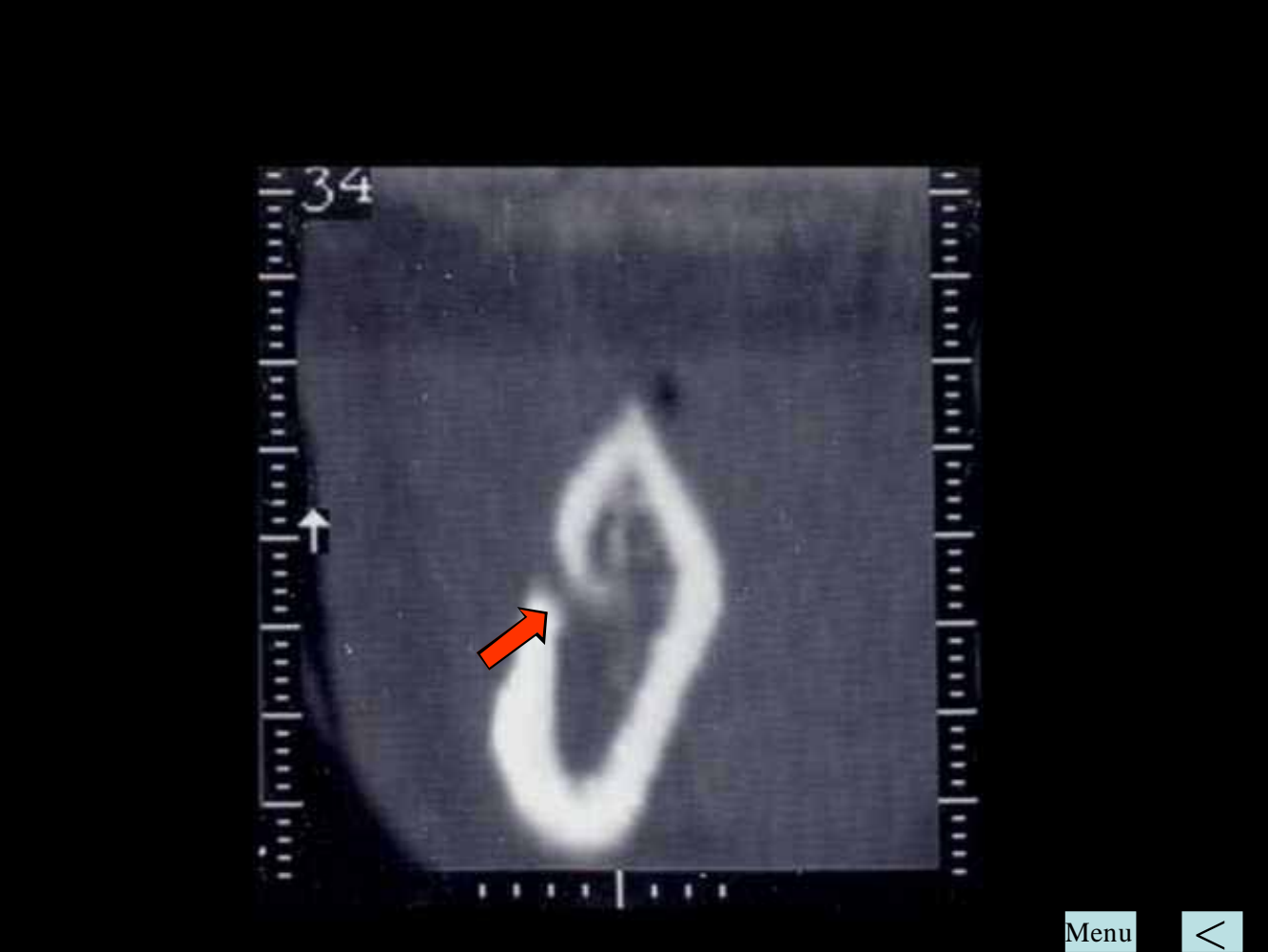


The Mental Foramen



Menu





The Inferior Dental Canal is not visible



Menu



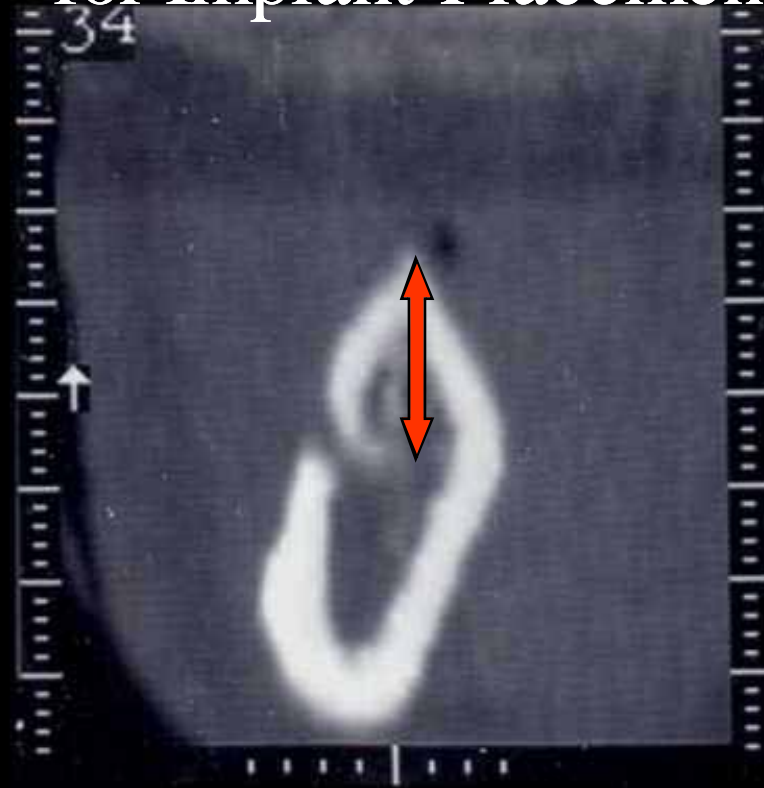
The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



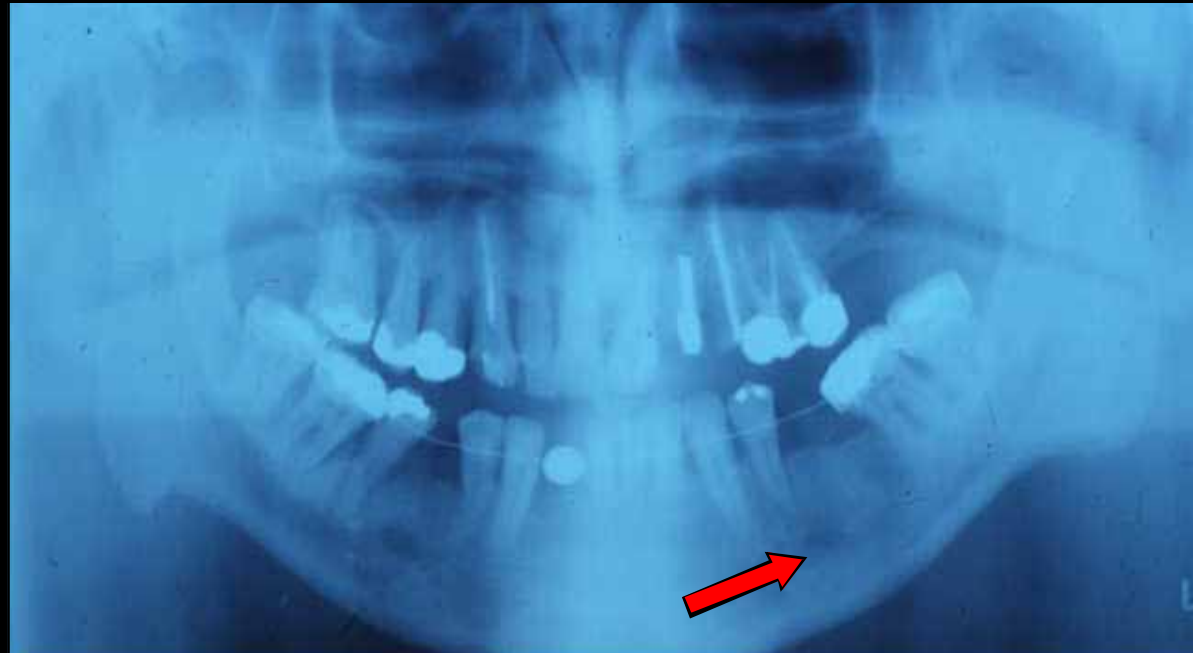
The Actual Height available for Implant Placement



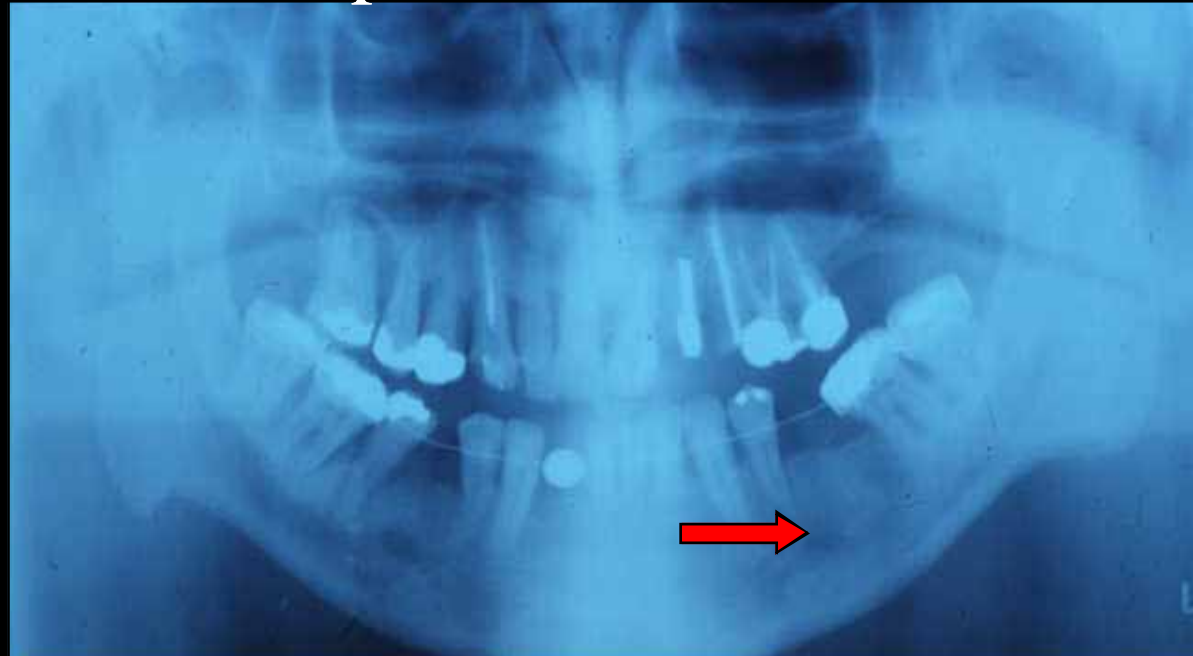
Menu



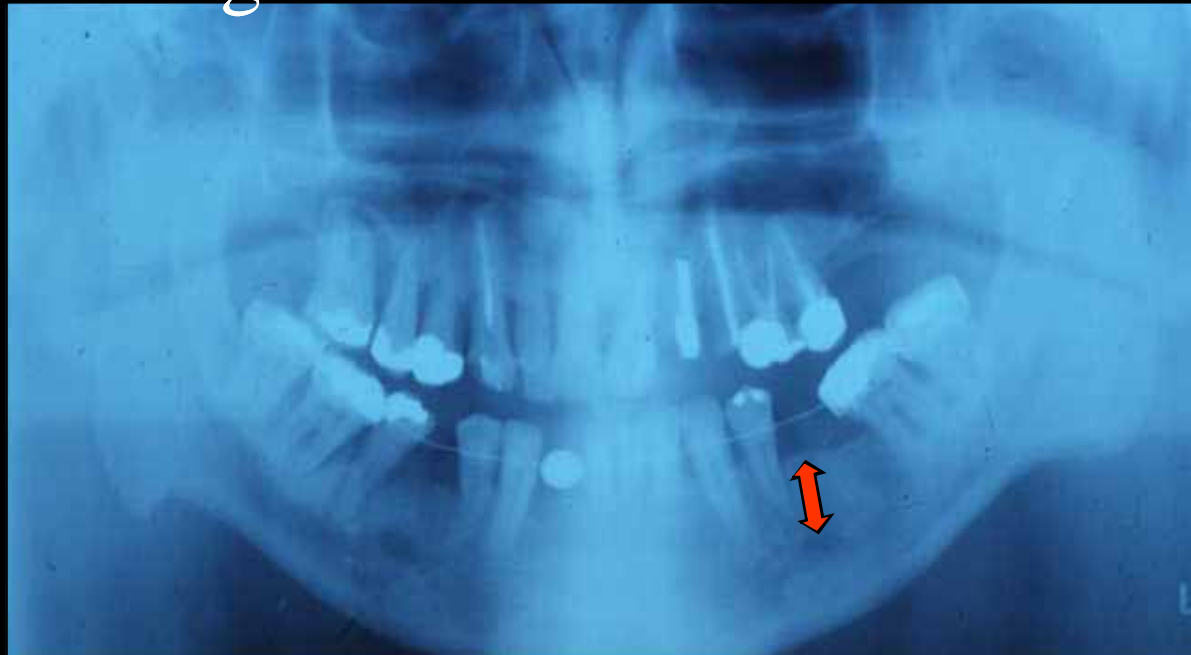
The Mental Foramen



The Top of the Mental Foramen



The Height above the Mental Foramen



An Example of a Mental Foramen



Menu



The Mental Canal



Menu



The Inferior Dental Canal is not visible



Menu



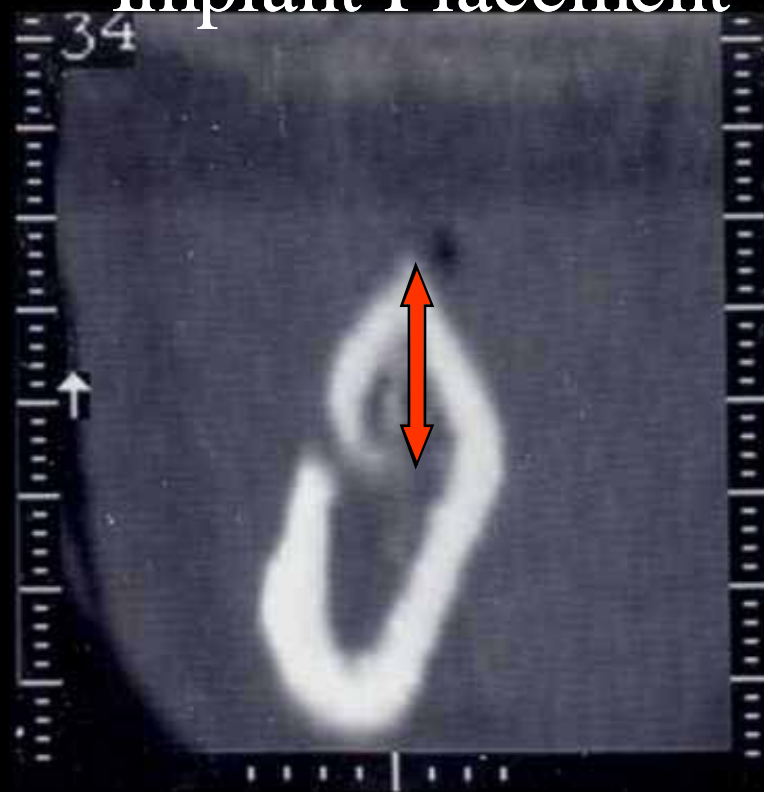
The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



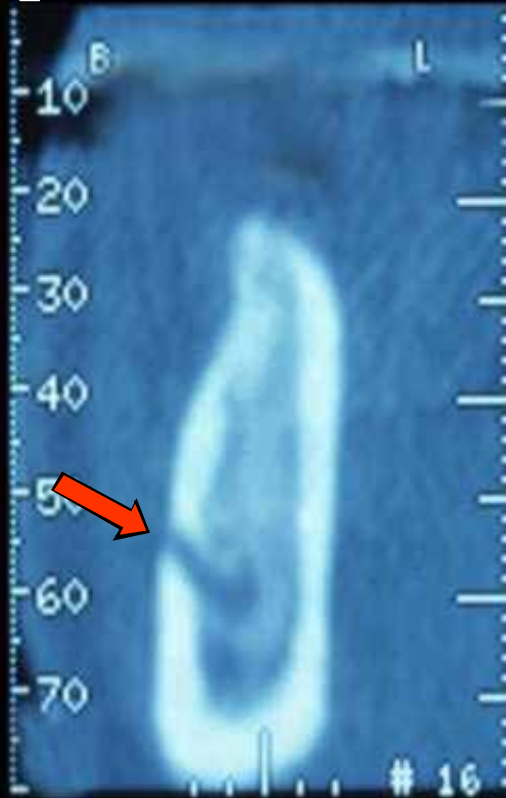
The Actual Height available for Implant Placement



Menu



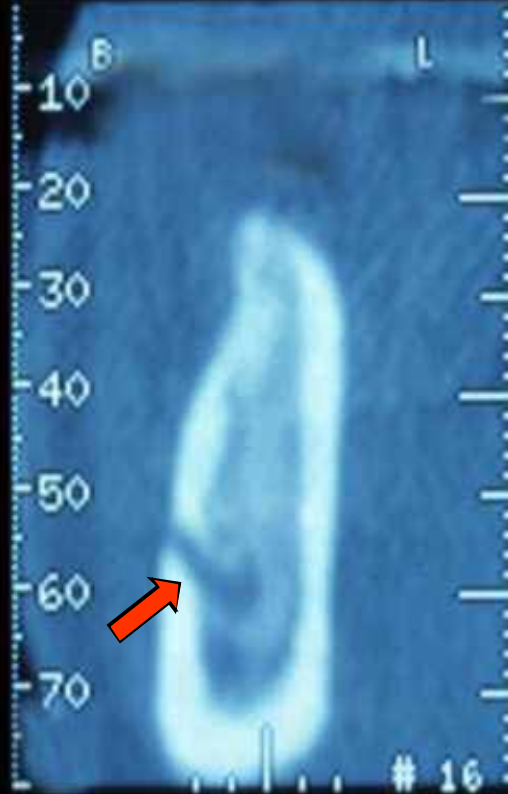
An Example of a Mental Foramen



Menu



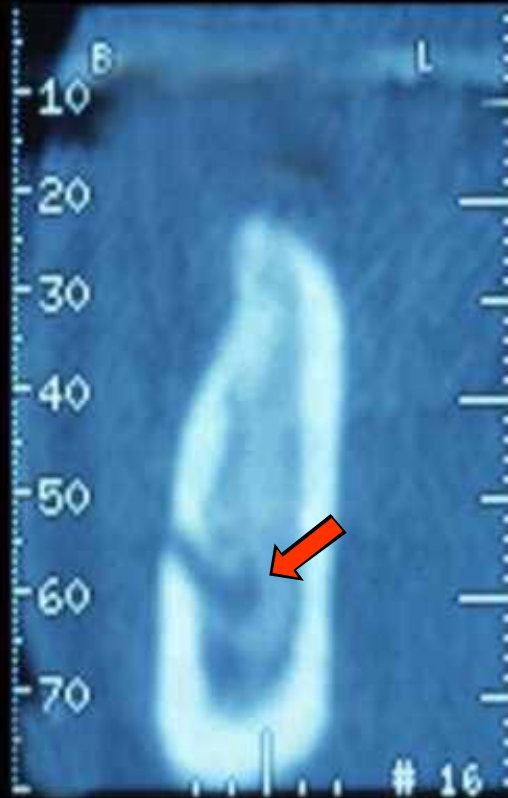
The Mental Canal



Menu



The Inferior Dental Canal



Menu



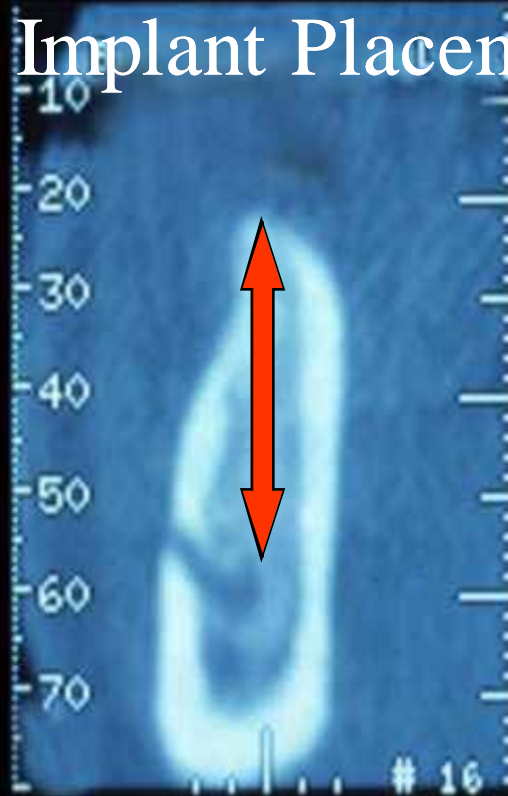
The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



The Actual Height available for Implant Placement



Menu



An Example of a Mental Foramen



Menu



The Mental Canal



Menu



The Inferior Dental Canal is not visible



Menu



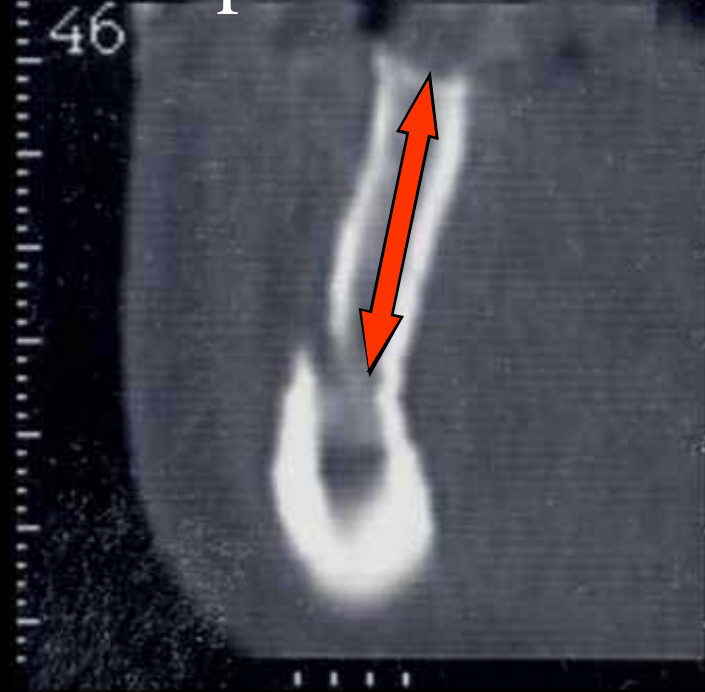
The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



The Actual Height available for Implant Placement



Menu



An Example of a Mental Foramen



Menu



The Mental Canal



Menu



The Inferior Dental Canal is not visible



Menu



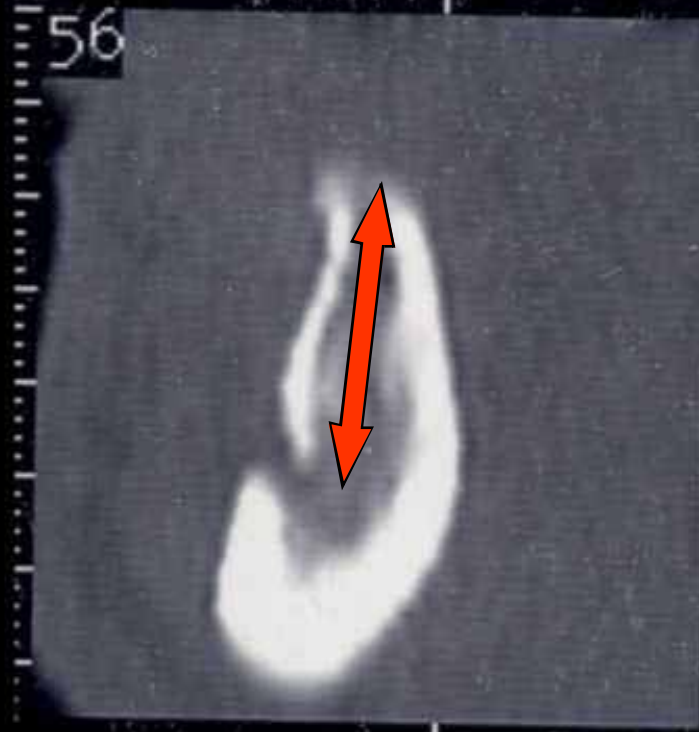
The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



The Actual Height available for Implant Placement



Menu



An Example of a Mental Foramen



Menu



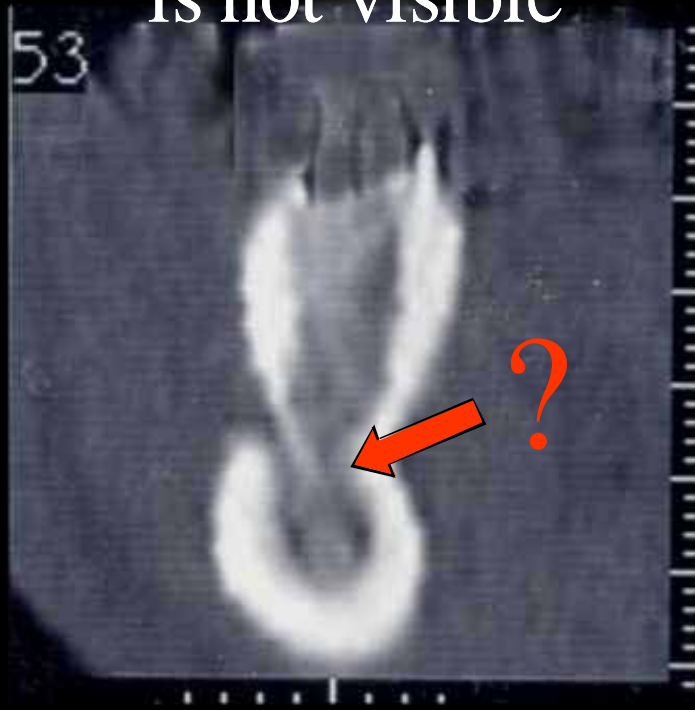
The Mental Canal



Menu



The Inferior Dental Canal is not visible



Menu



The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



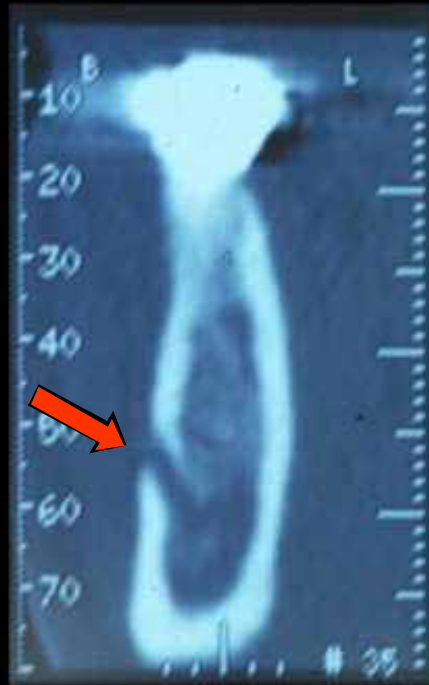
The Actual Height available for Implant Placement



Menu



An Example of Mental Foramen



Menu



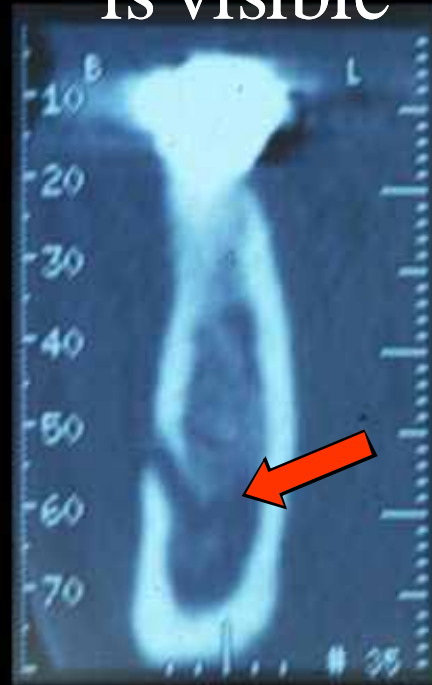
The Mental Canal



Menu



The Inferior Dental Canal is visible



Menu



The Top of the Mental Foramen as seen on a Panororal X-ray



Menu



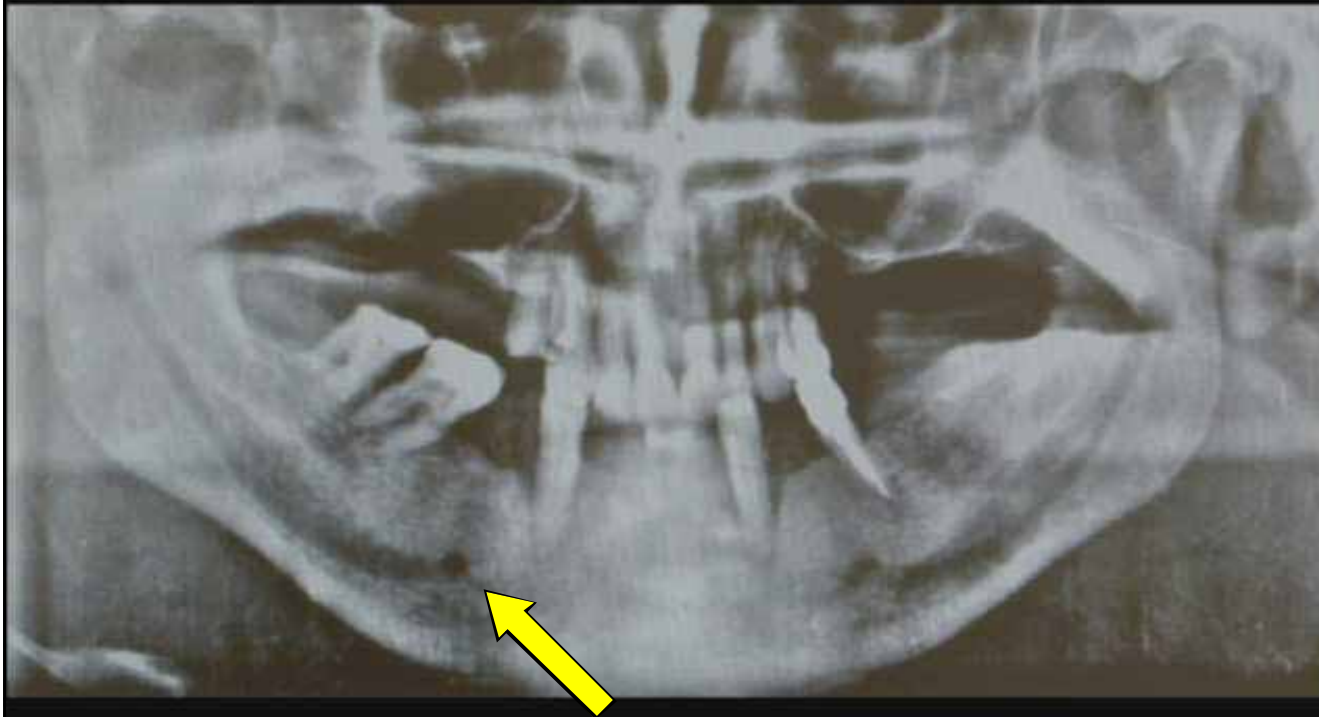
The Actual Height available for Implant Placement



Menu



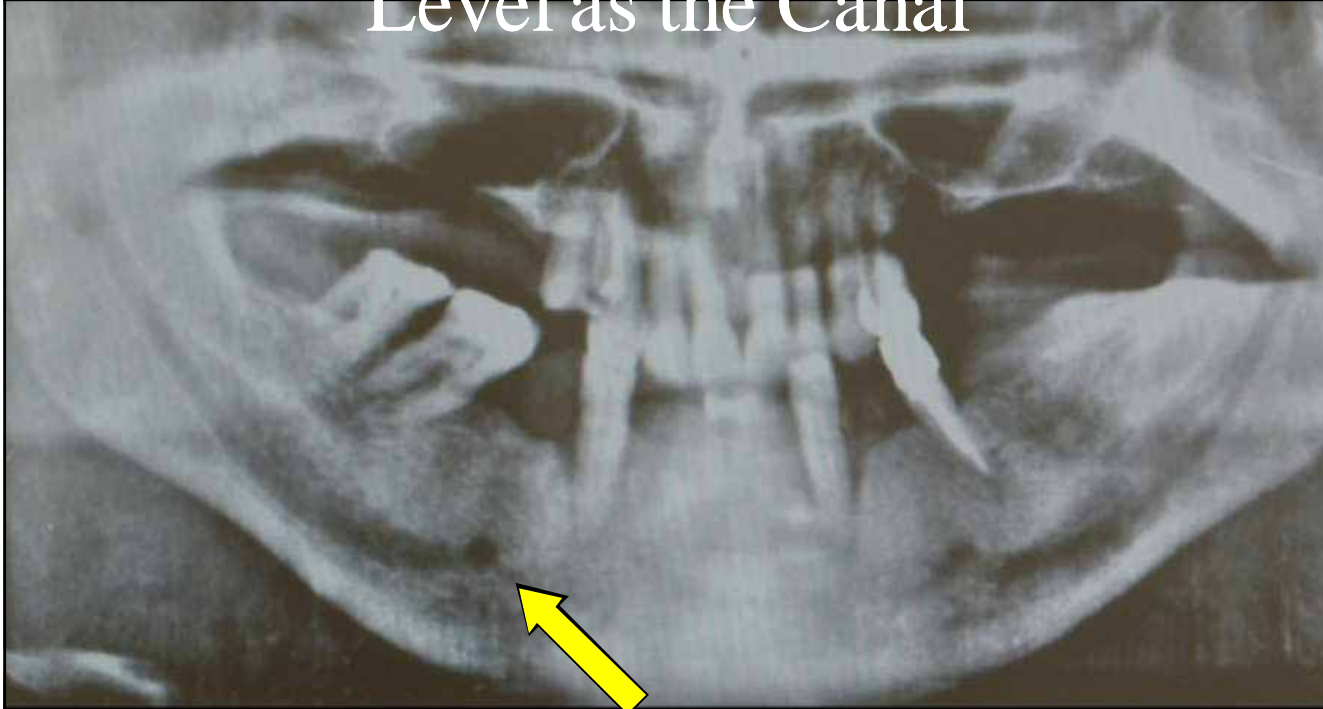
The Mental Foramen is at the Same Level as the Canal



Menu



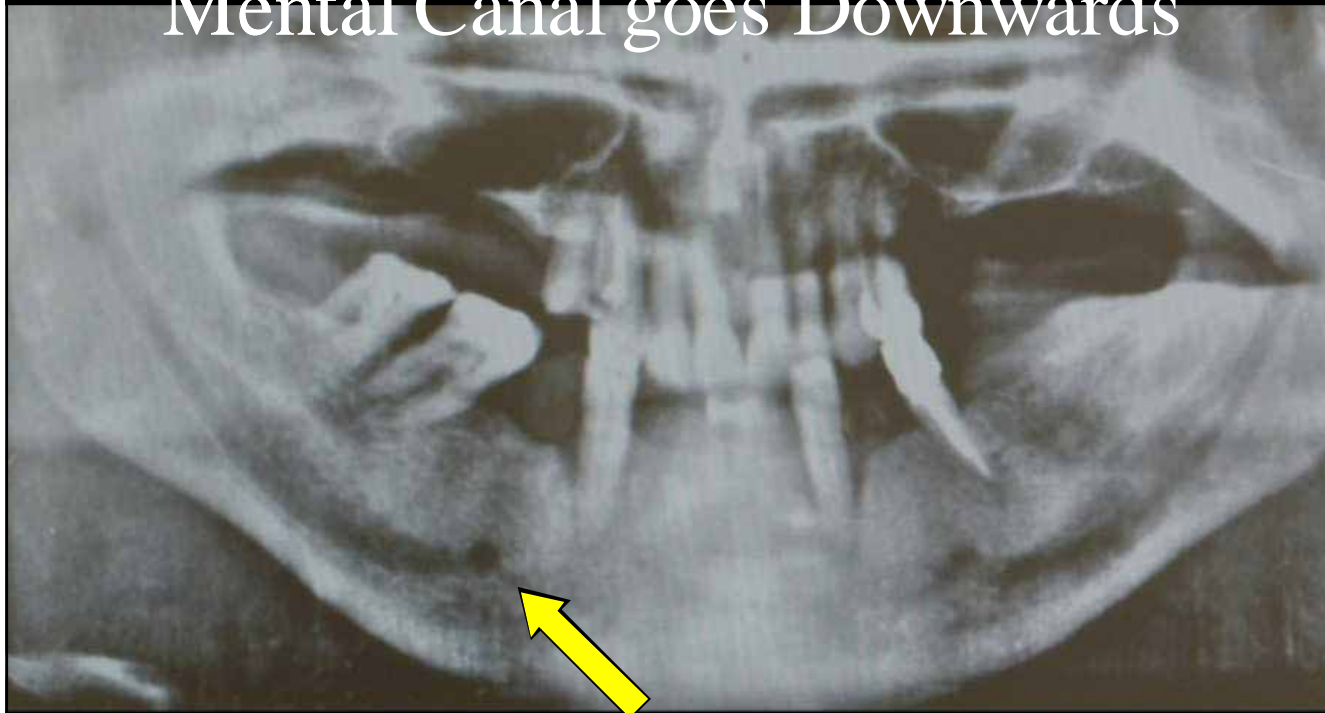
The Mental Foramen is at the Same Level as the Canal



Menu



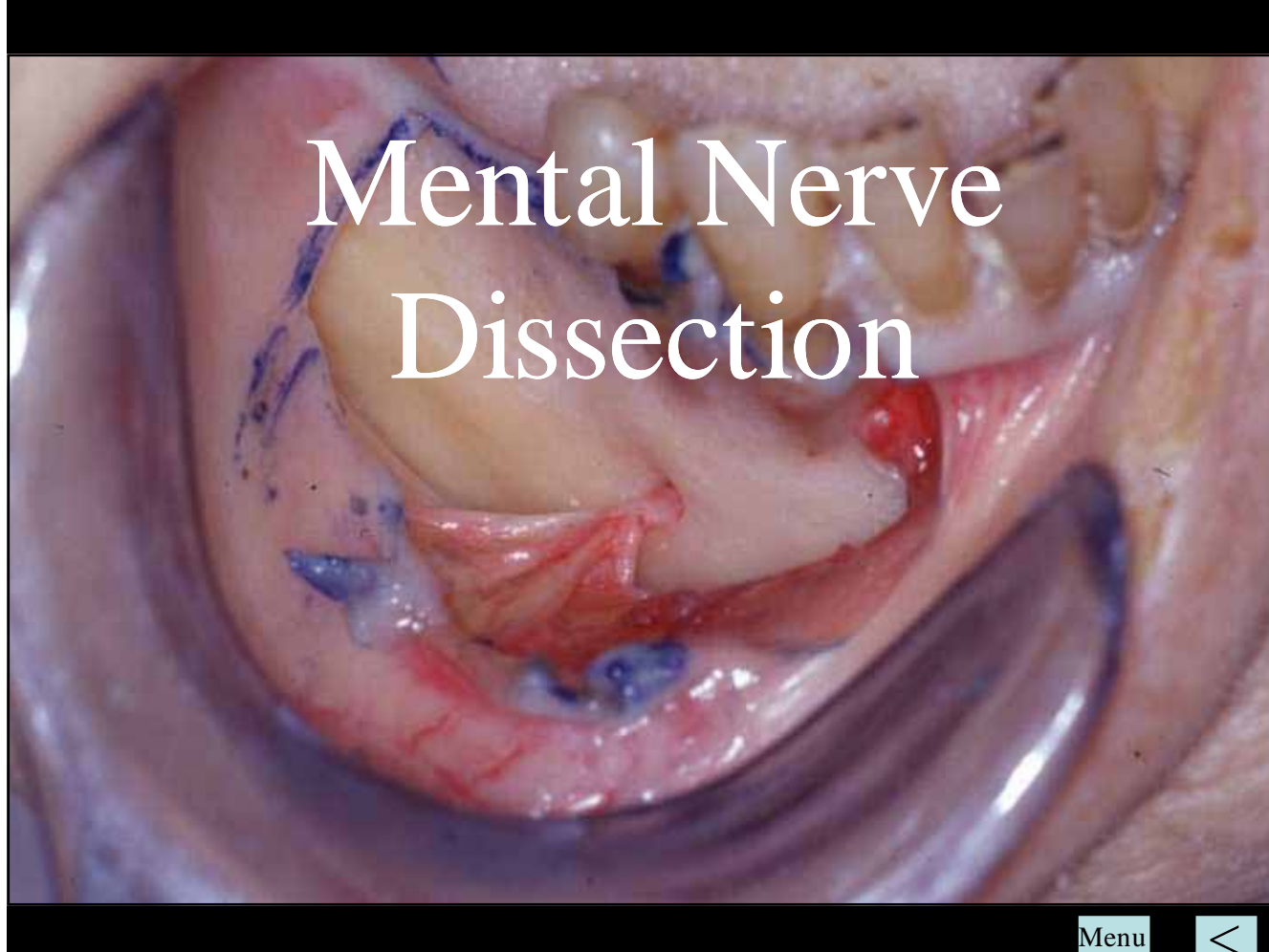
It is unlikely in this Case that the
Mental Canal goes Downwards



Menu



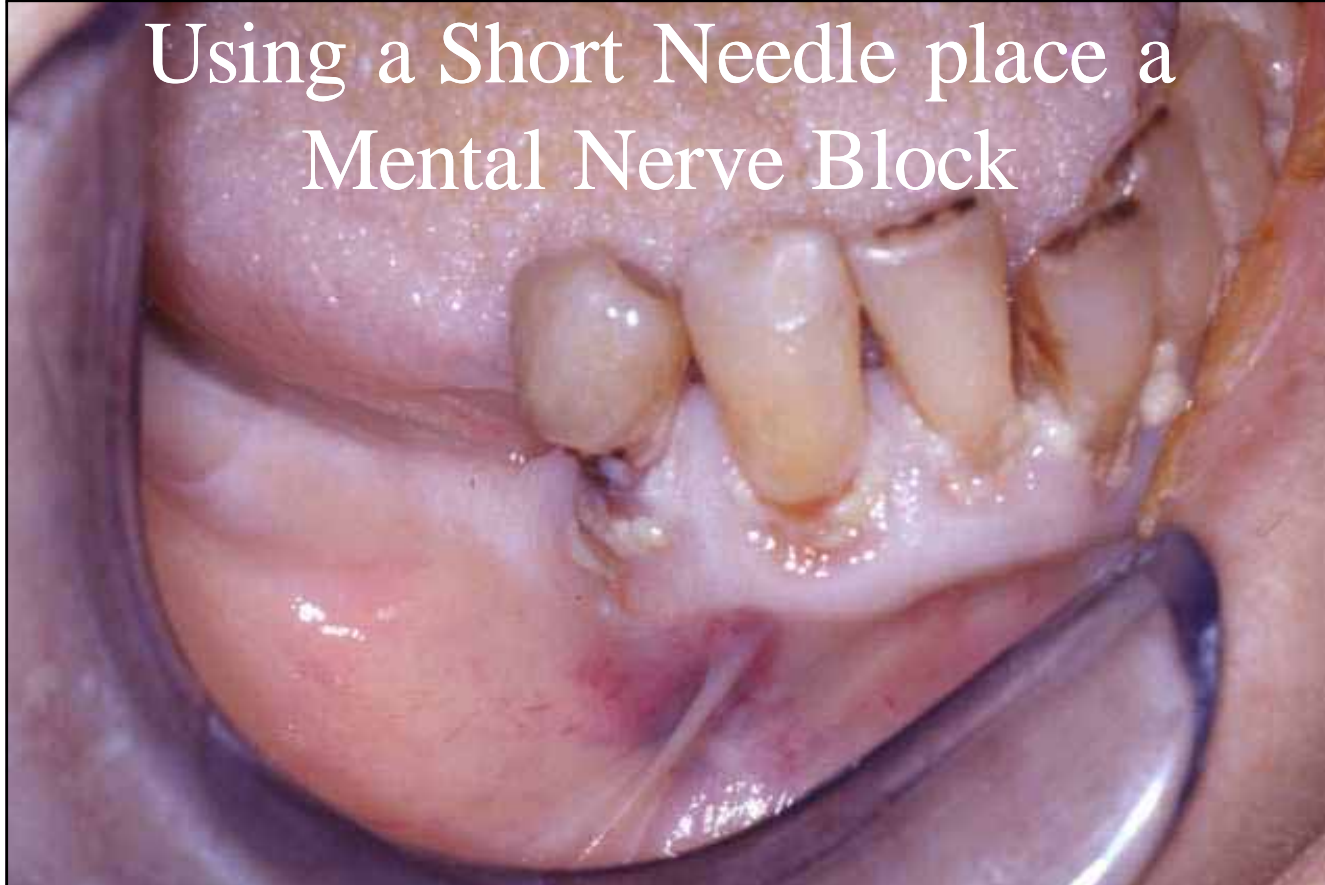
Mental Nerve Dissection



Menu



Using a Short Needle place a
Mental Nerve Block

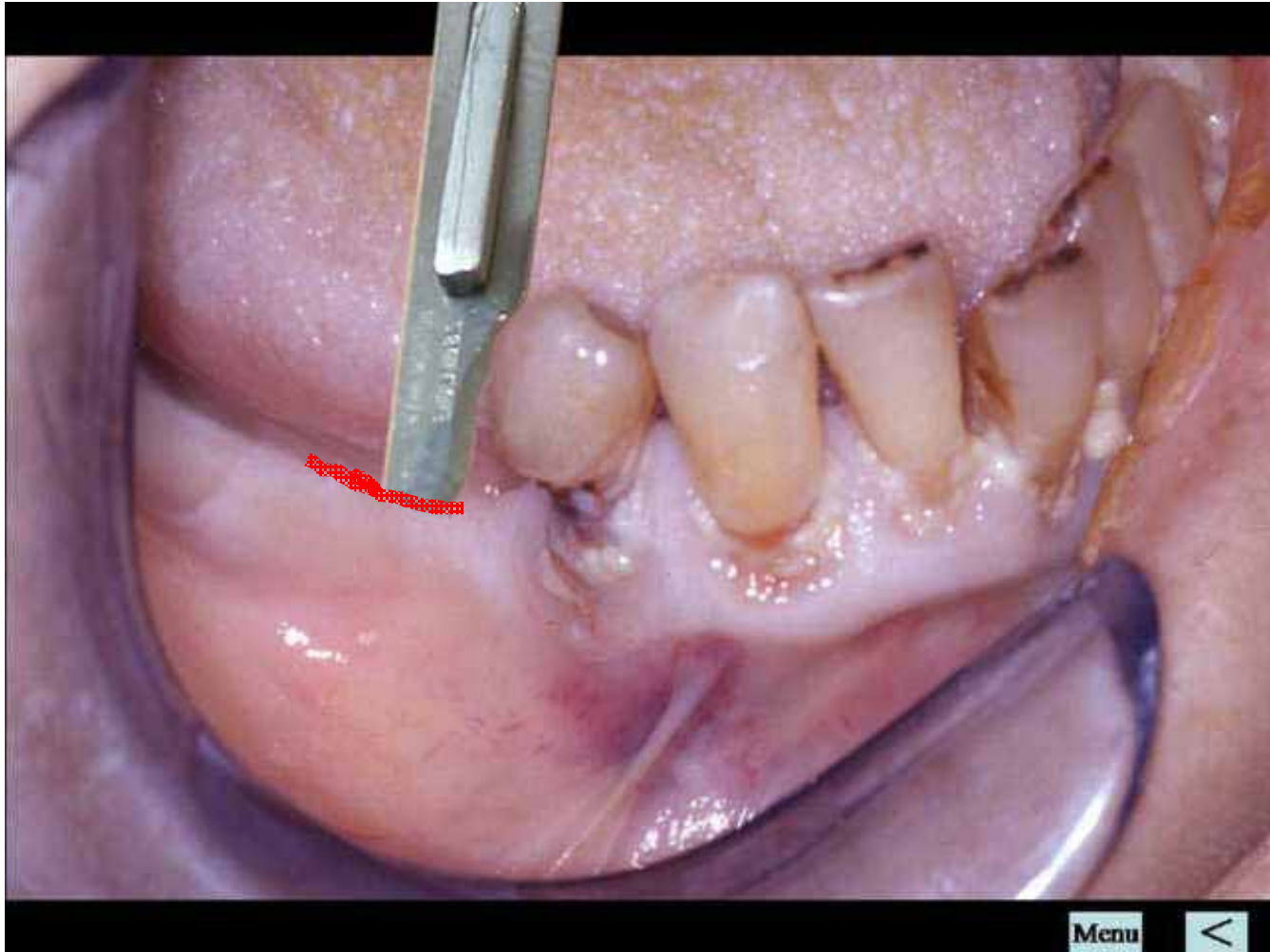


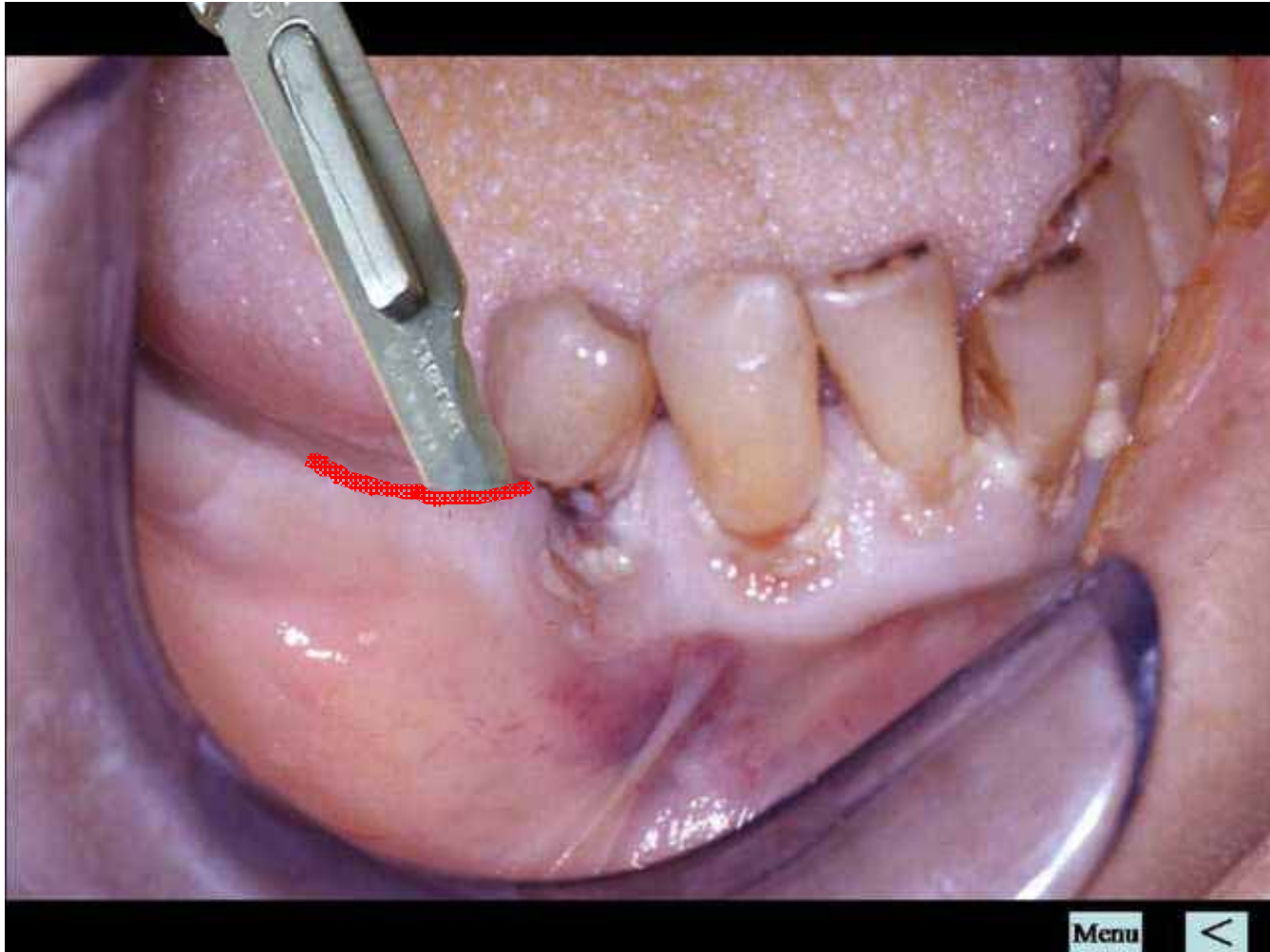
Menu



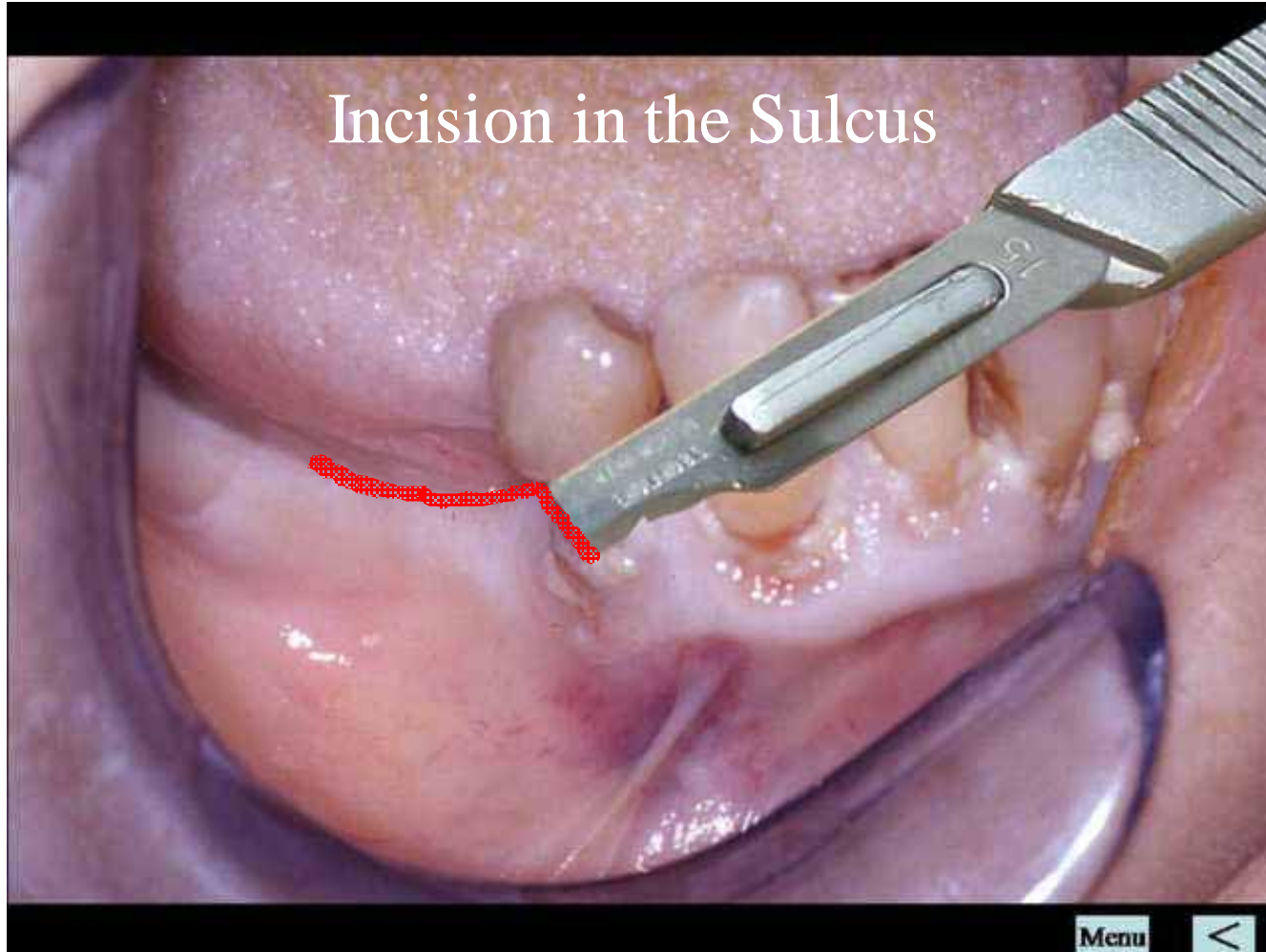
Incision in Attached Gingiva on the Ridge





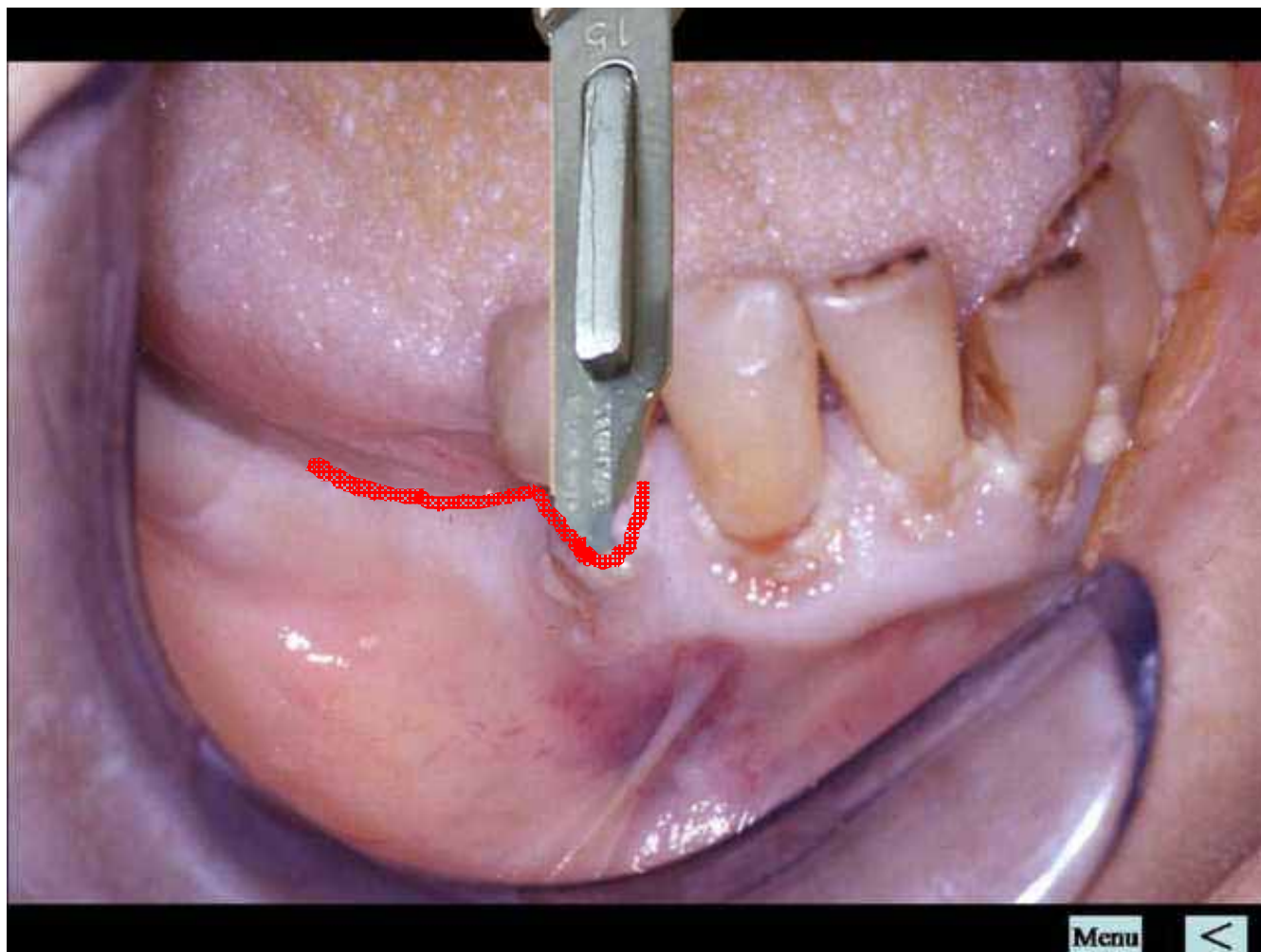


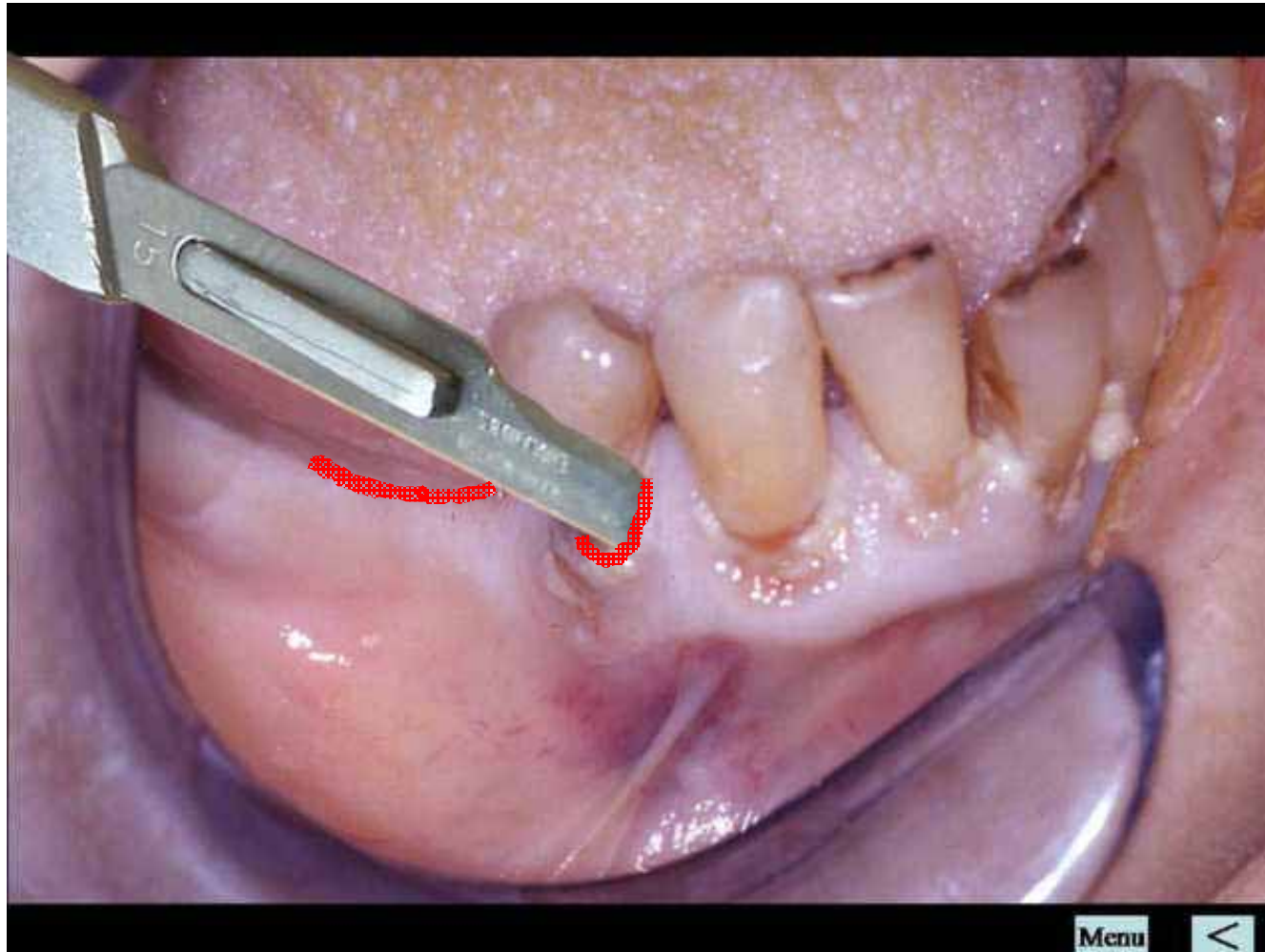
Incision in the Sulcus



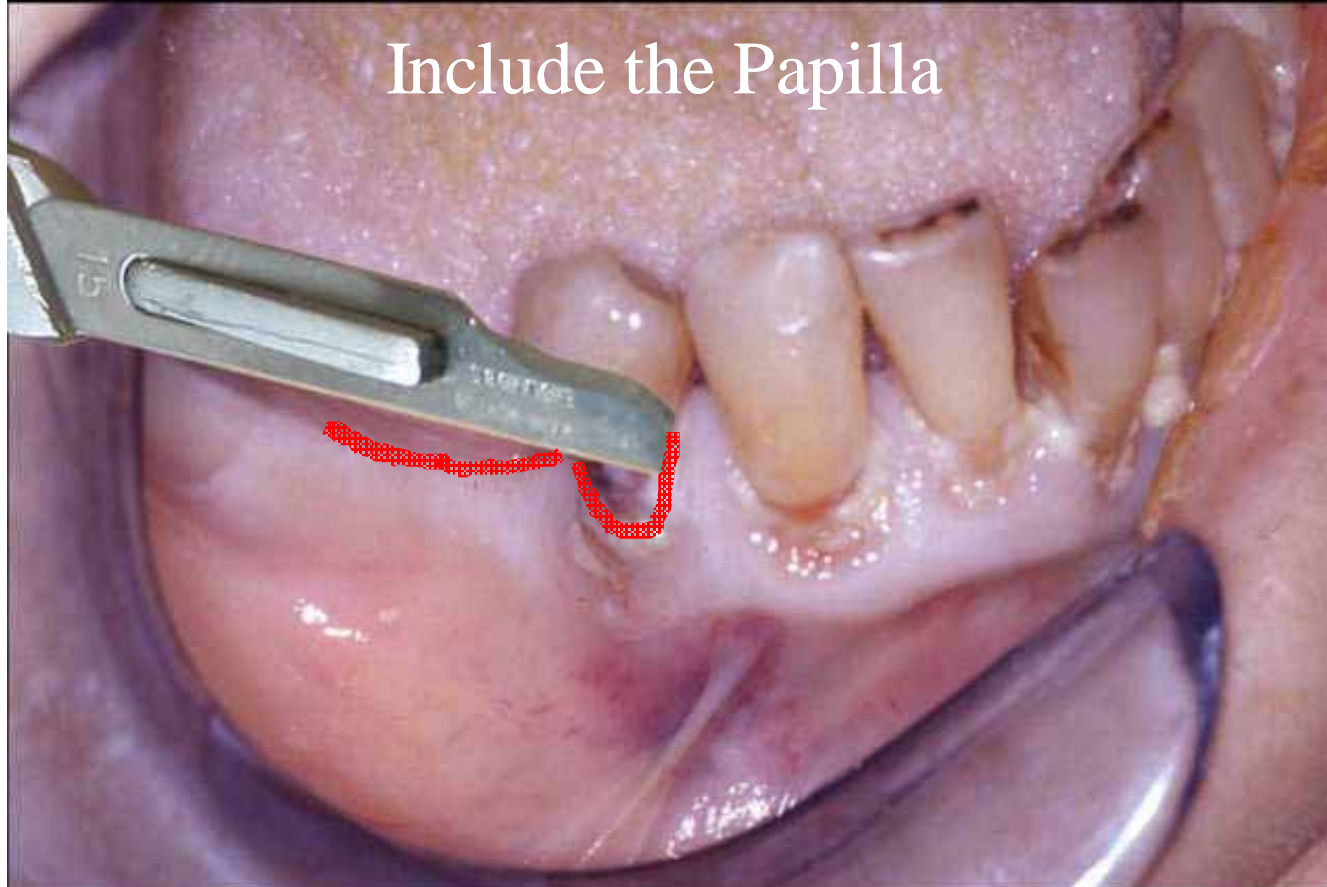
Menu







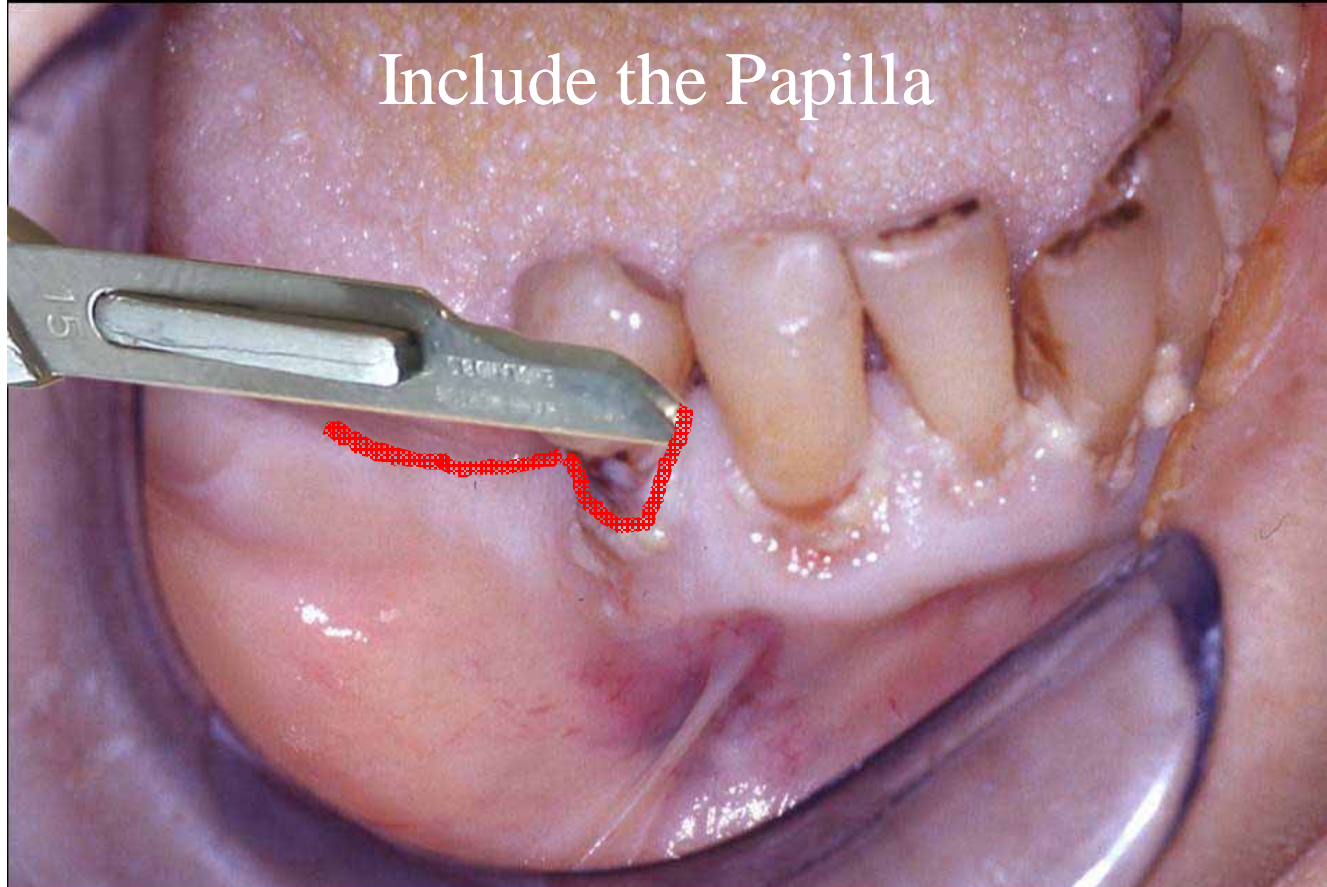
Include the Papilla



Menu



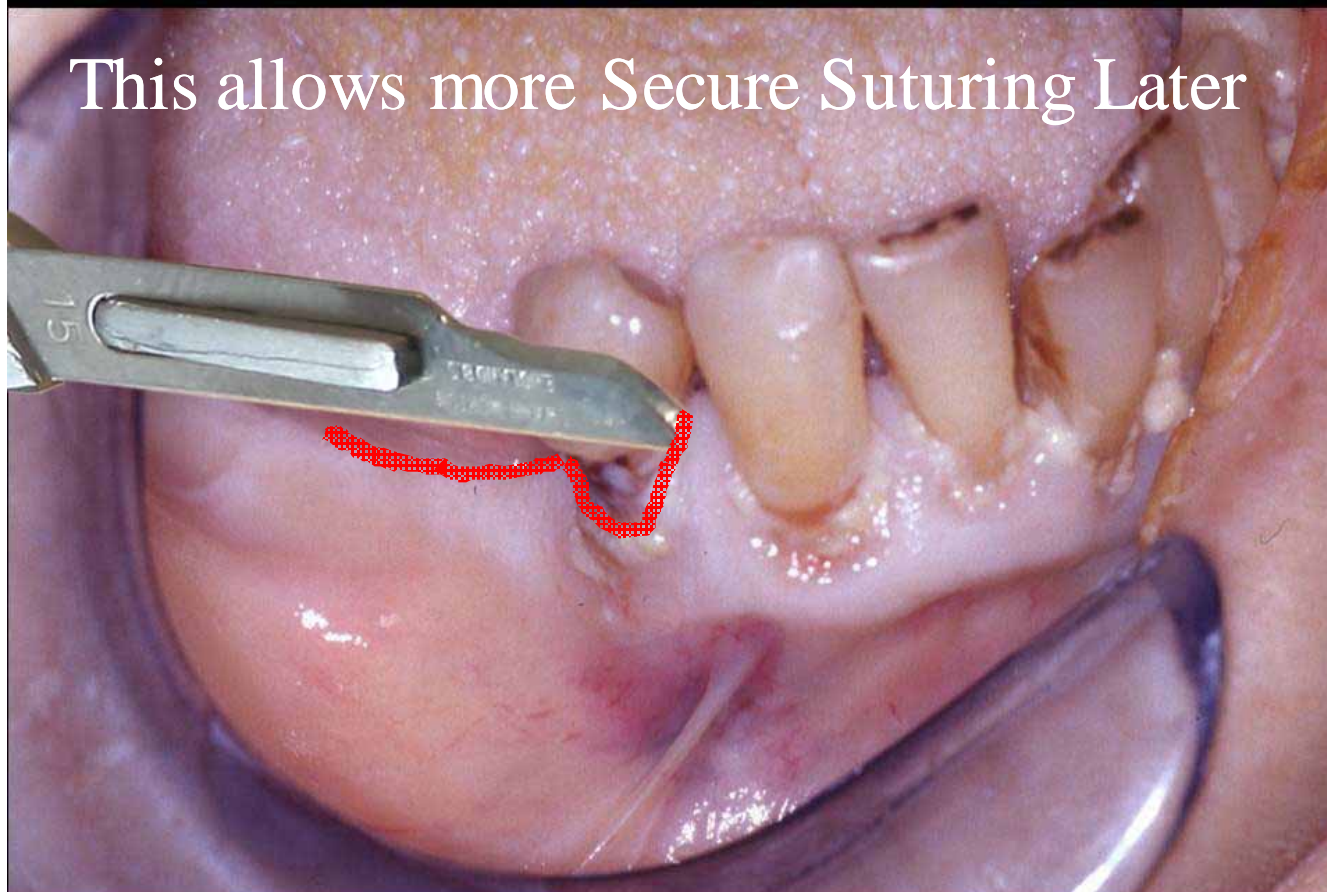
Include the Papilla



Menu



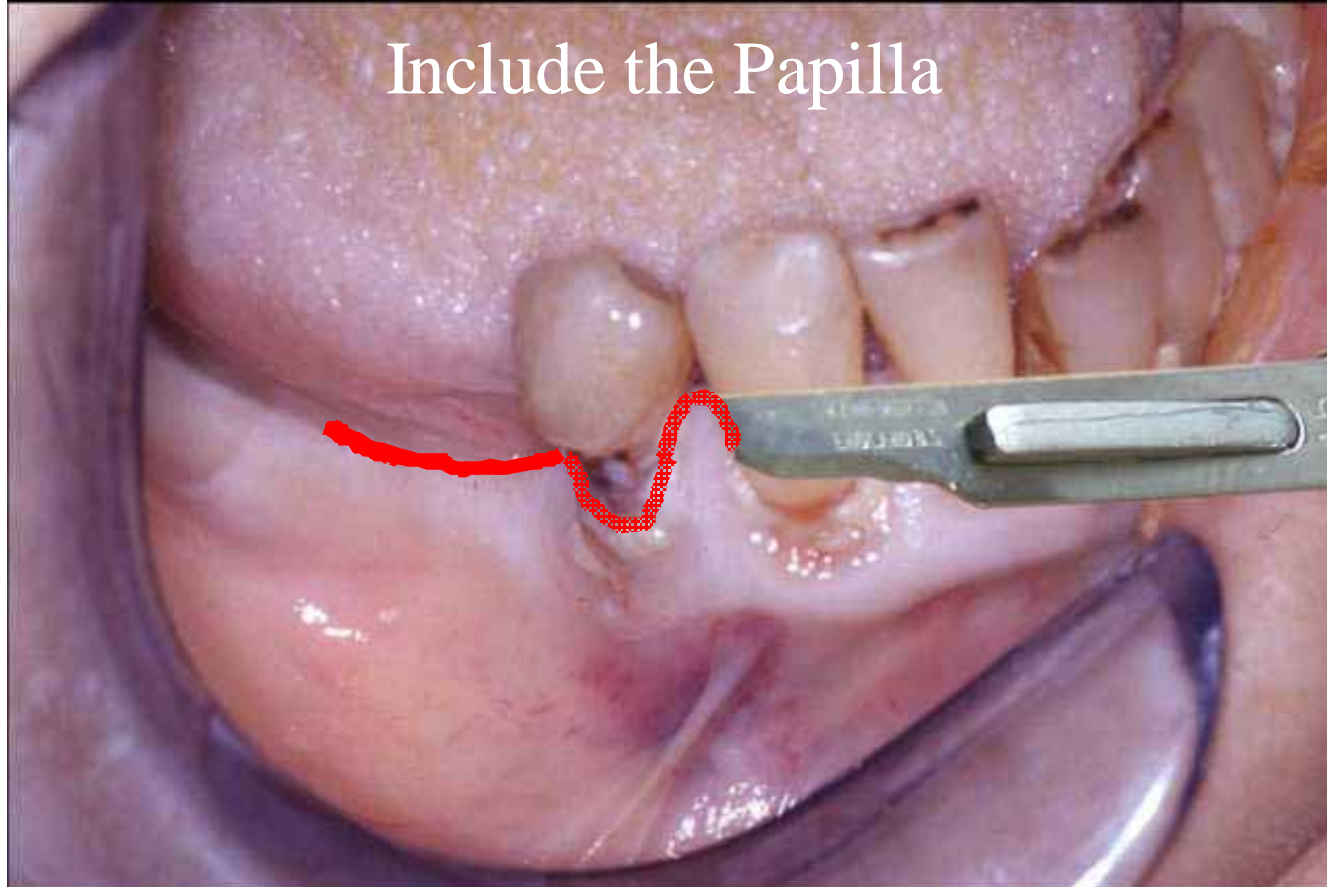
This allows more Secure Suturing Later



Menu

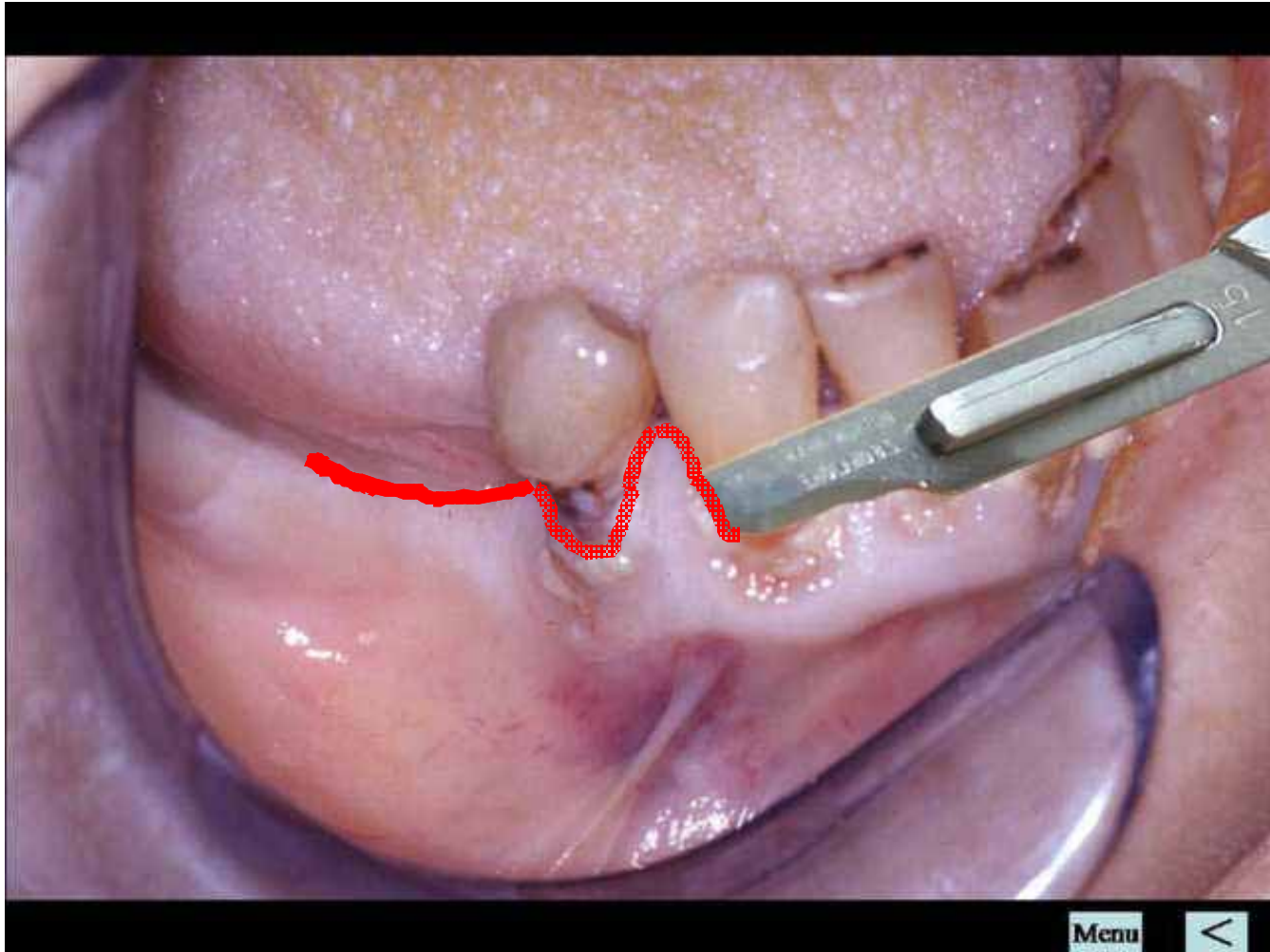


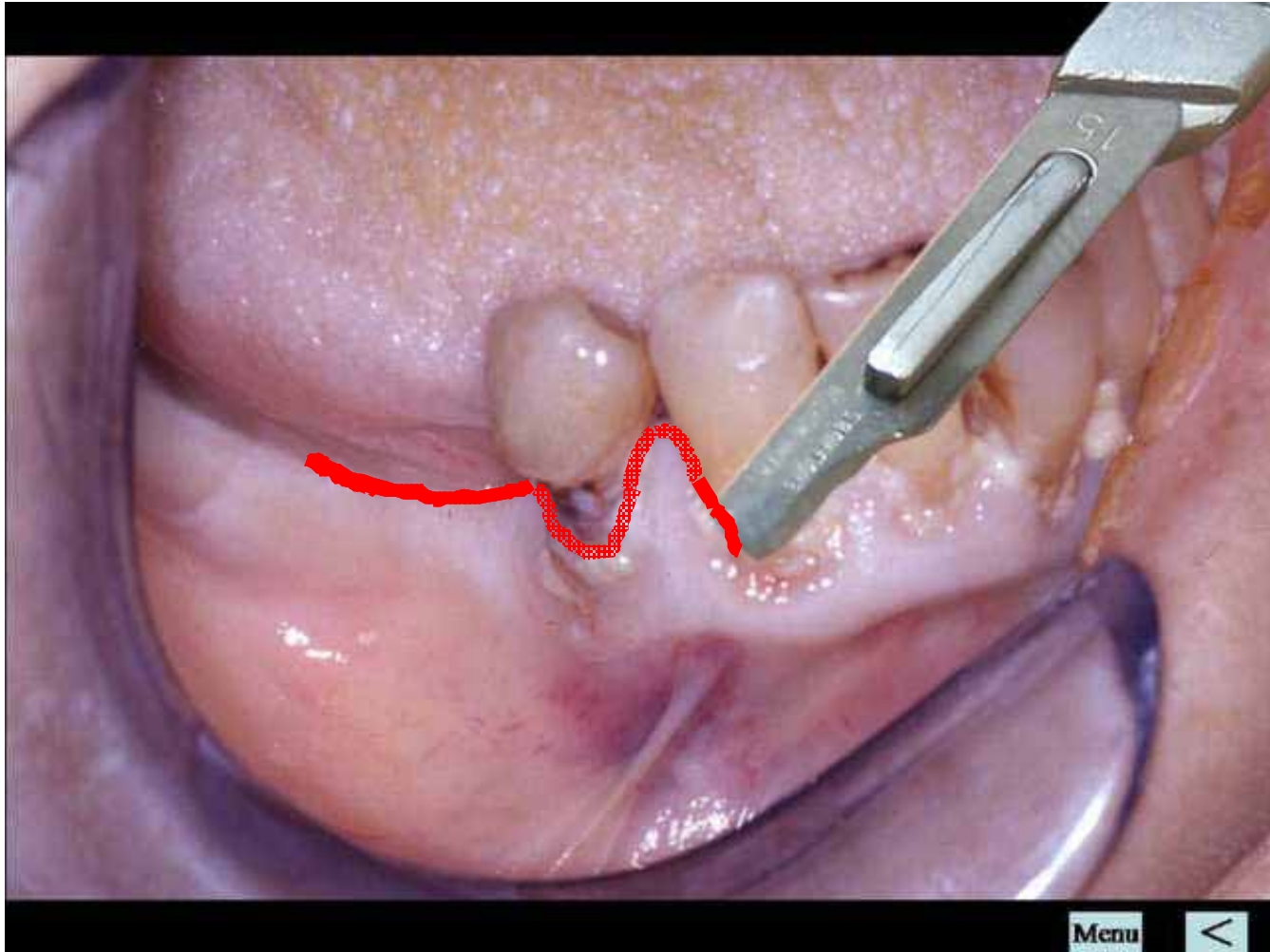
Include the Papilla

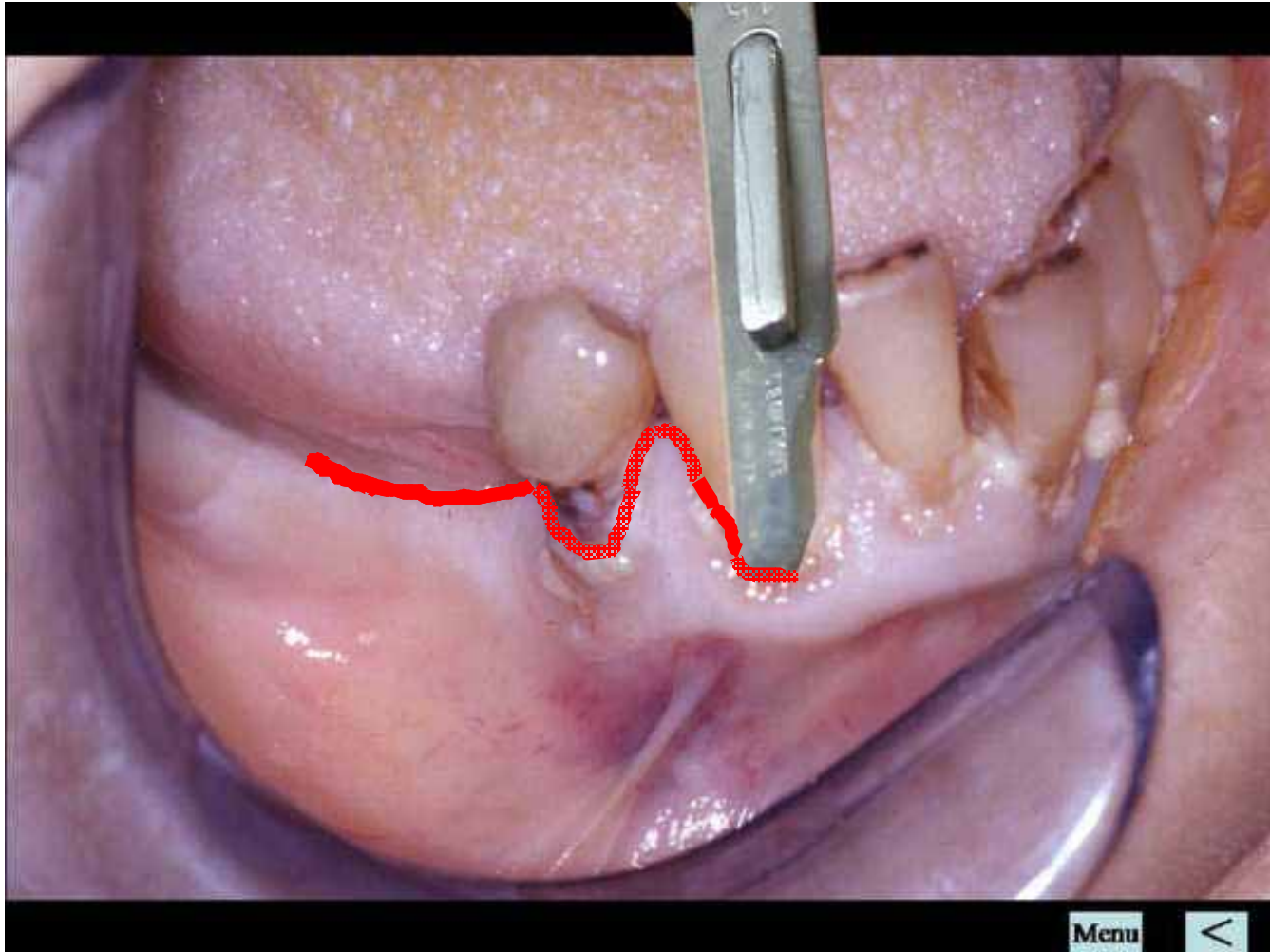


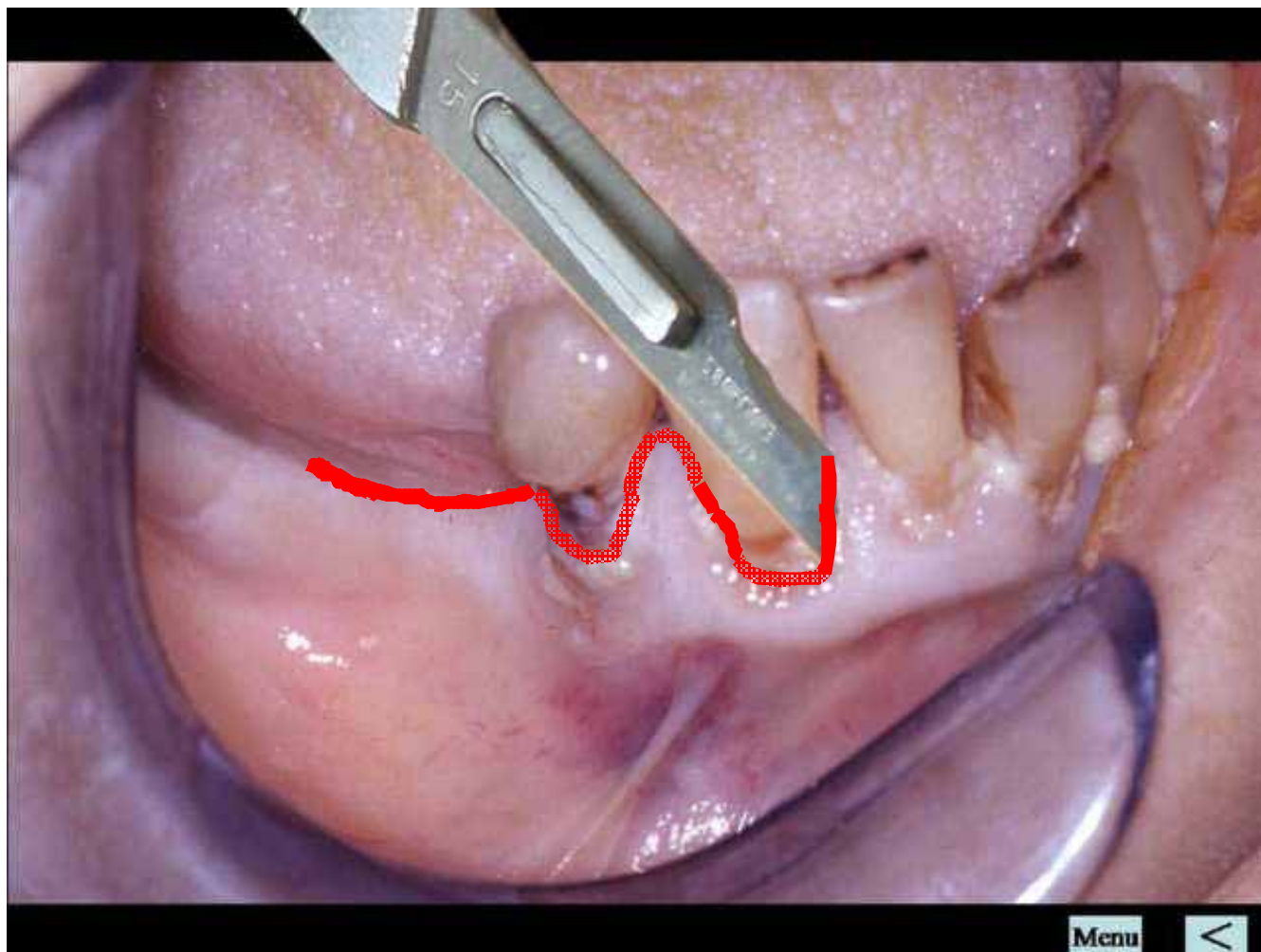
Menu



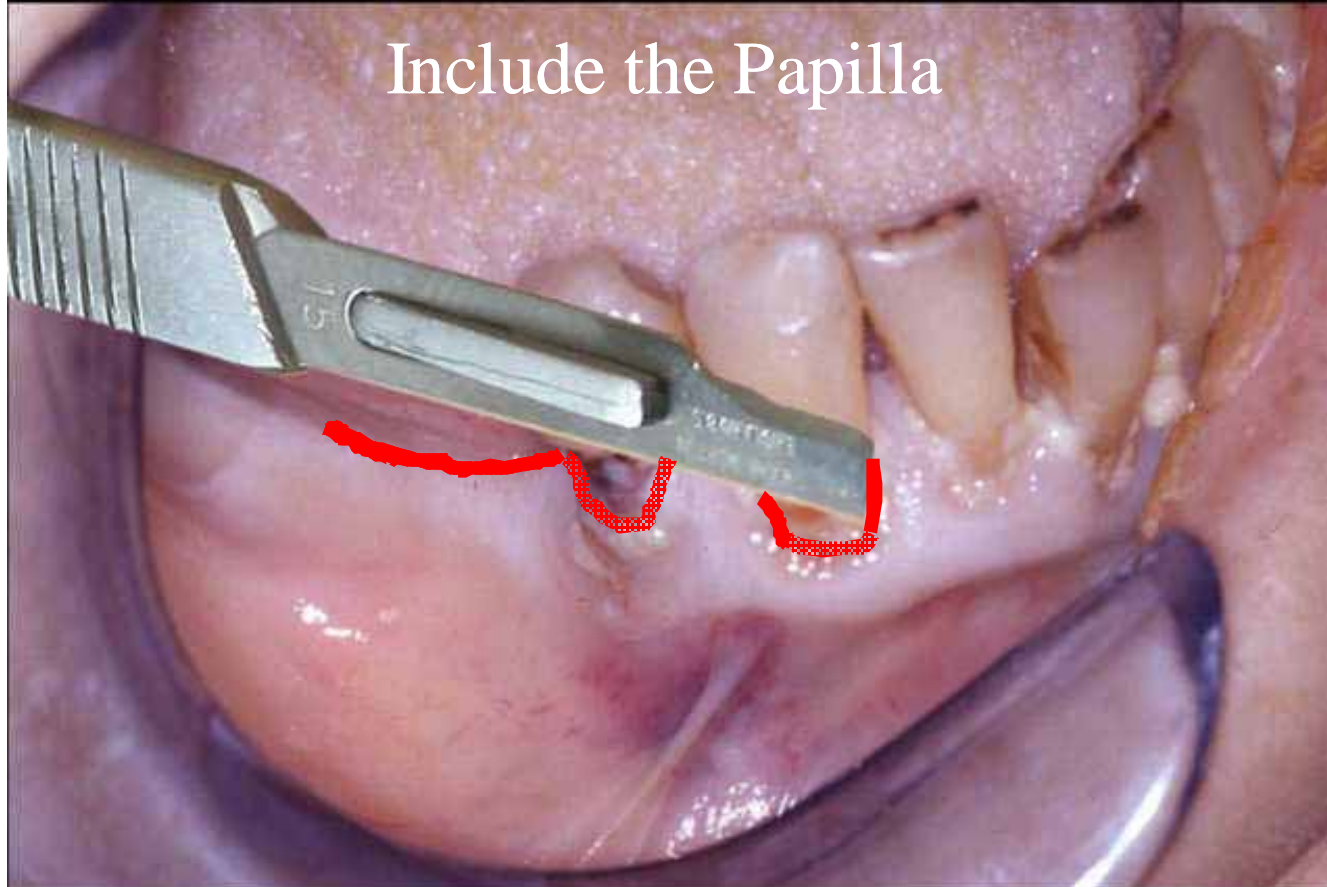






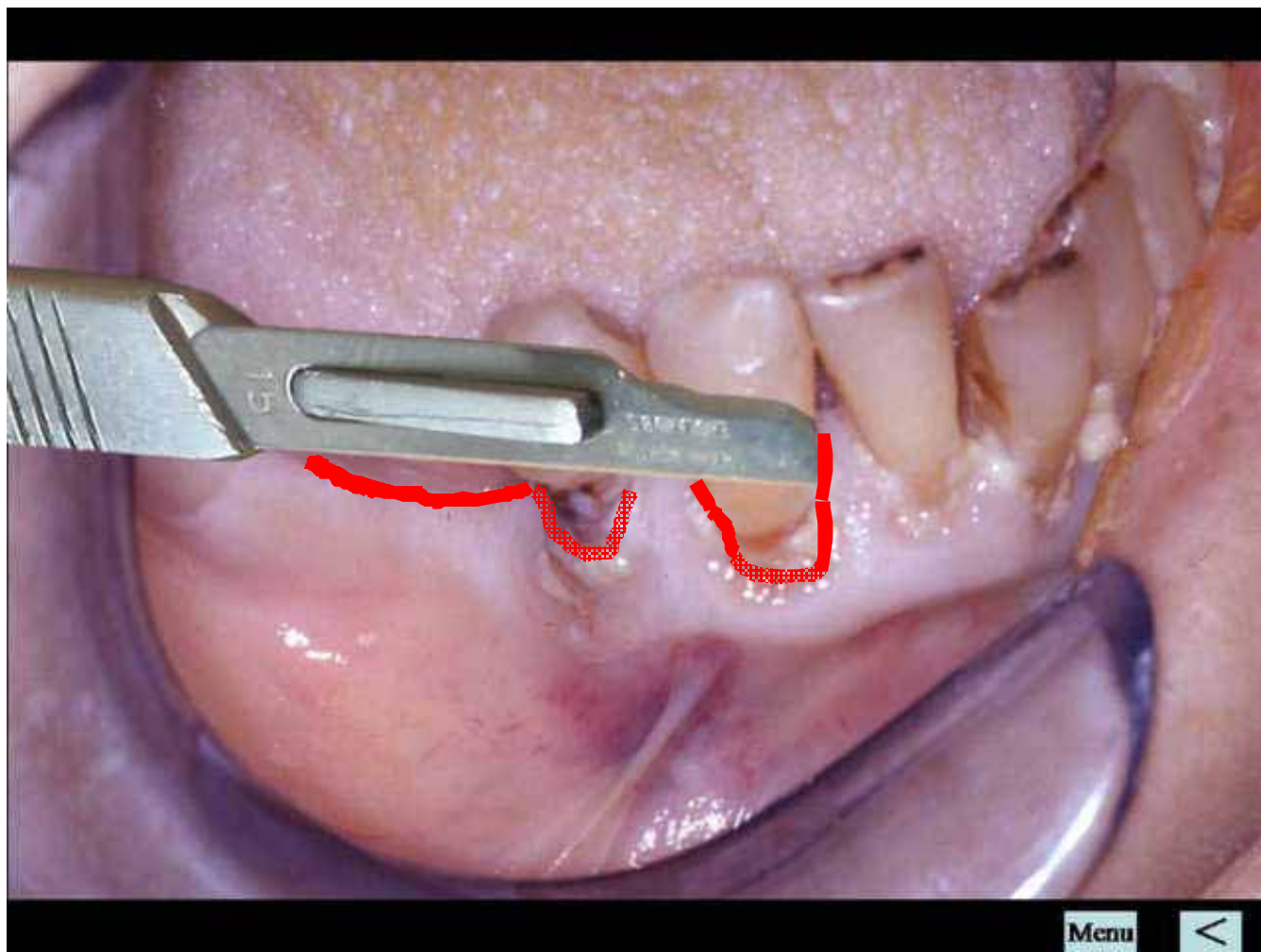


Include the Papilla



Menu

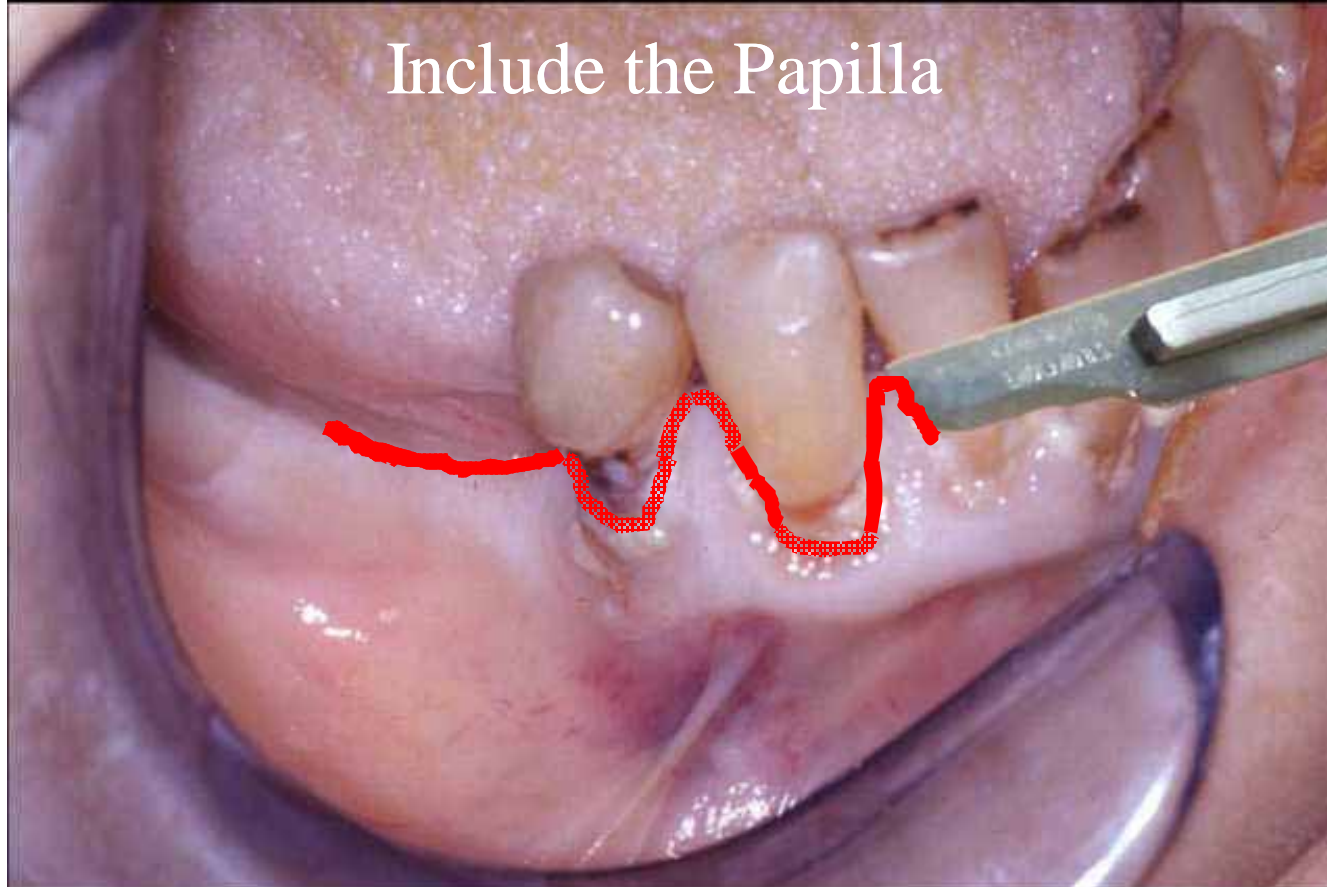




Menu

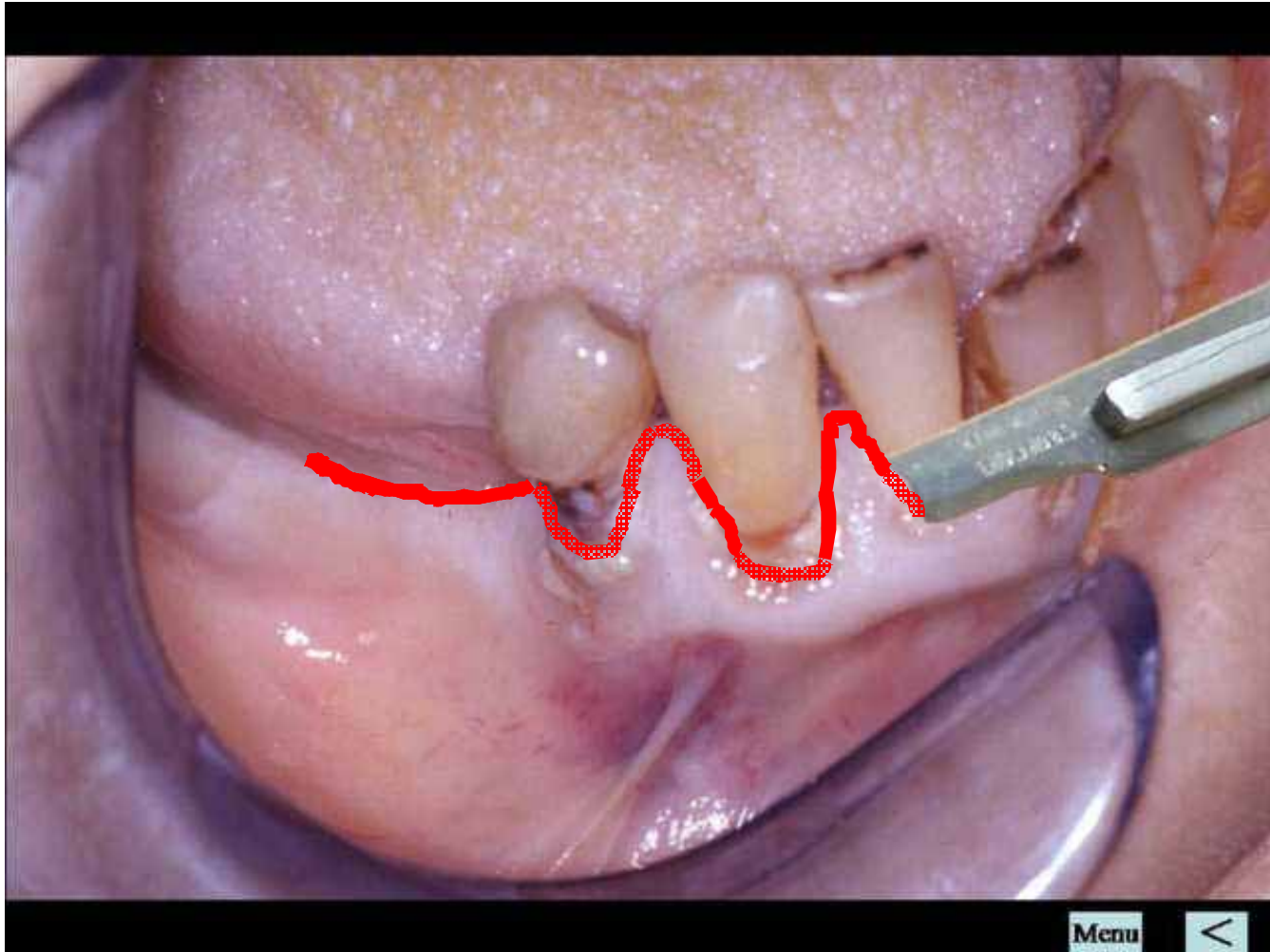


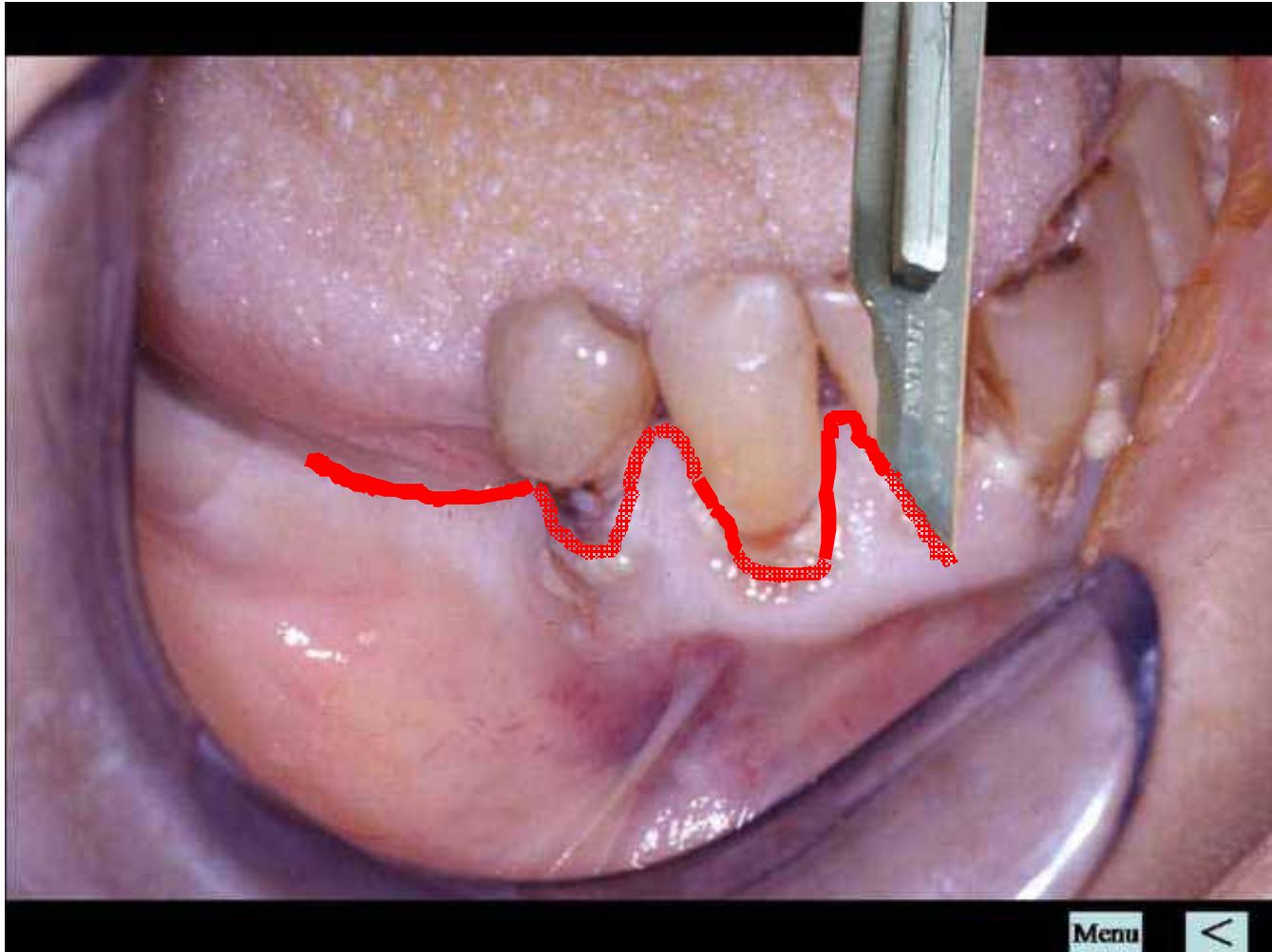
Include the Papilla

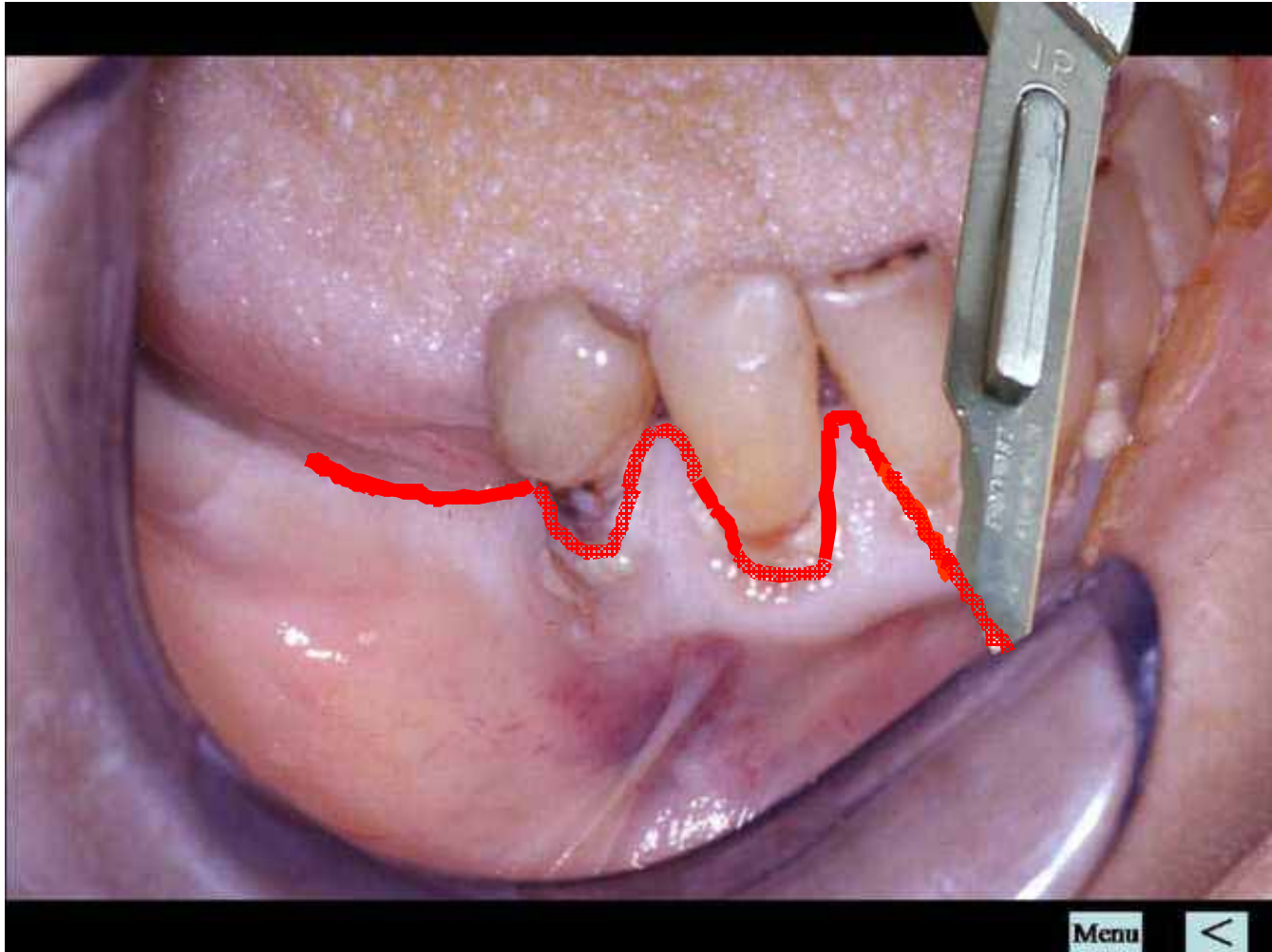


Menu

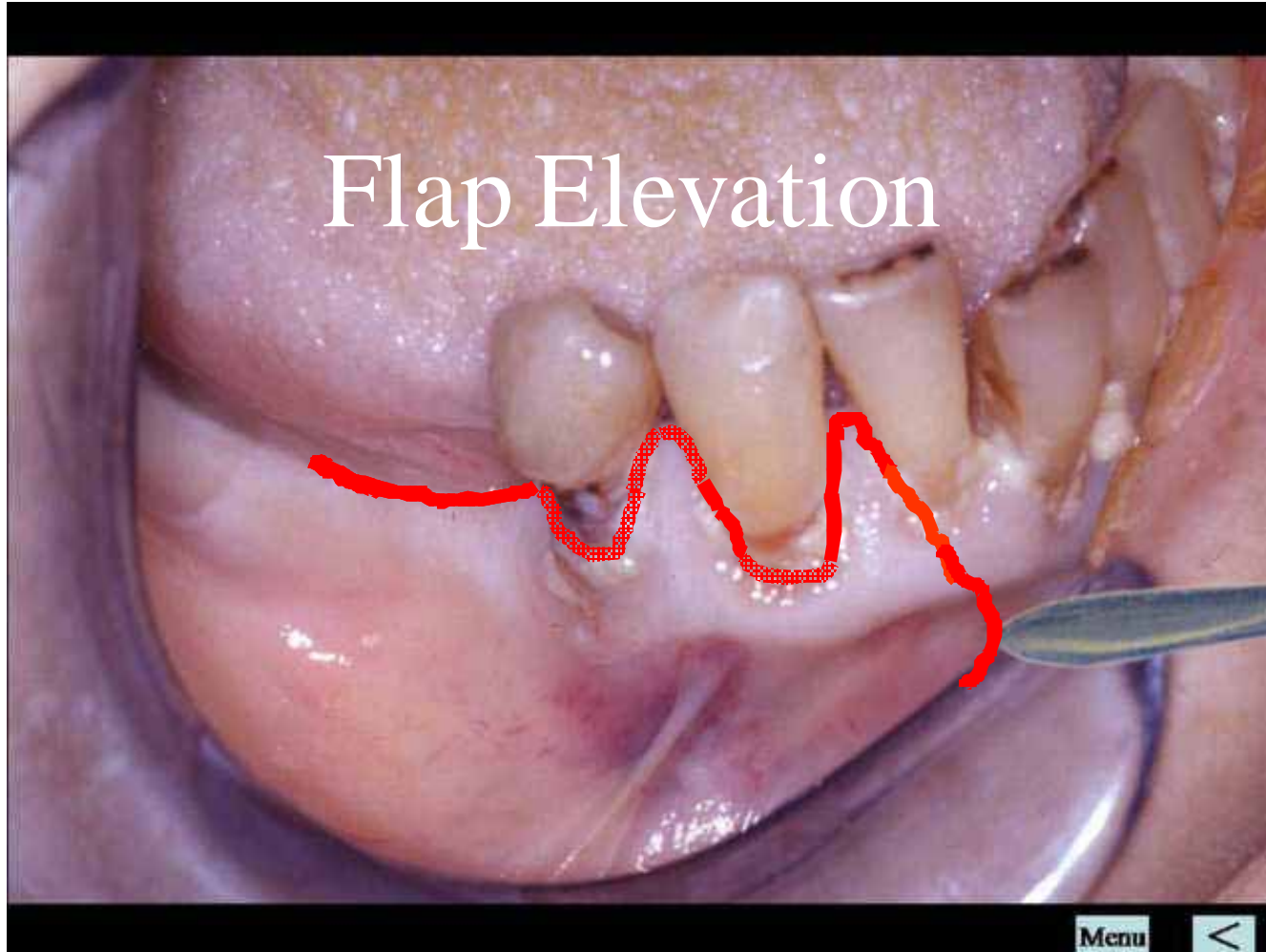




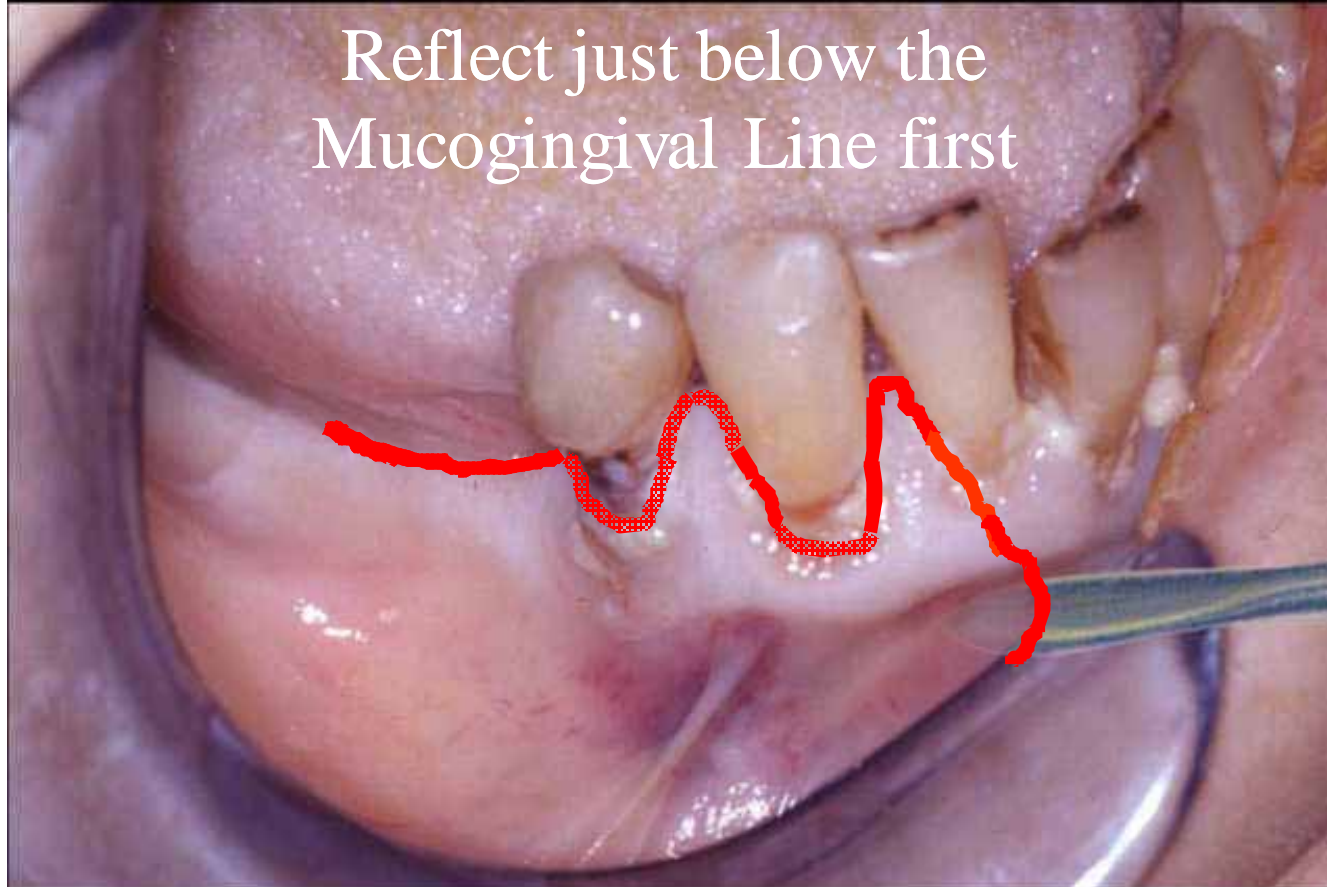




Flap Elevation

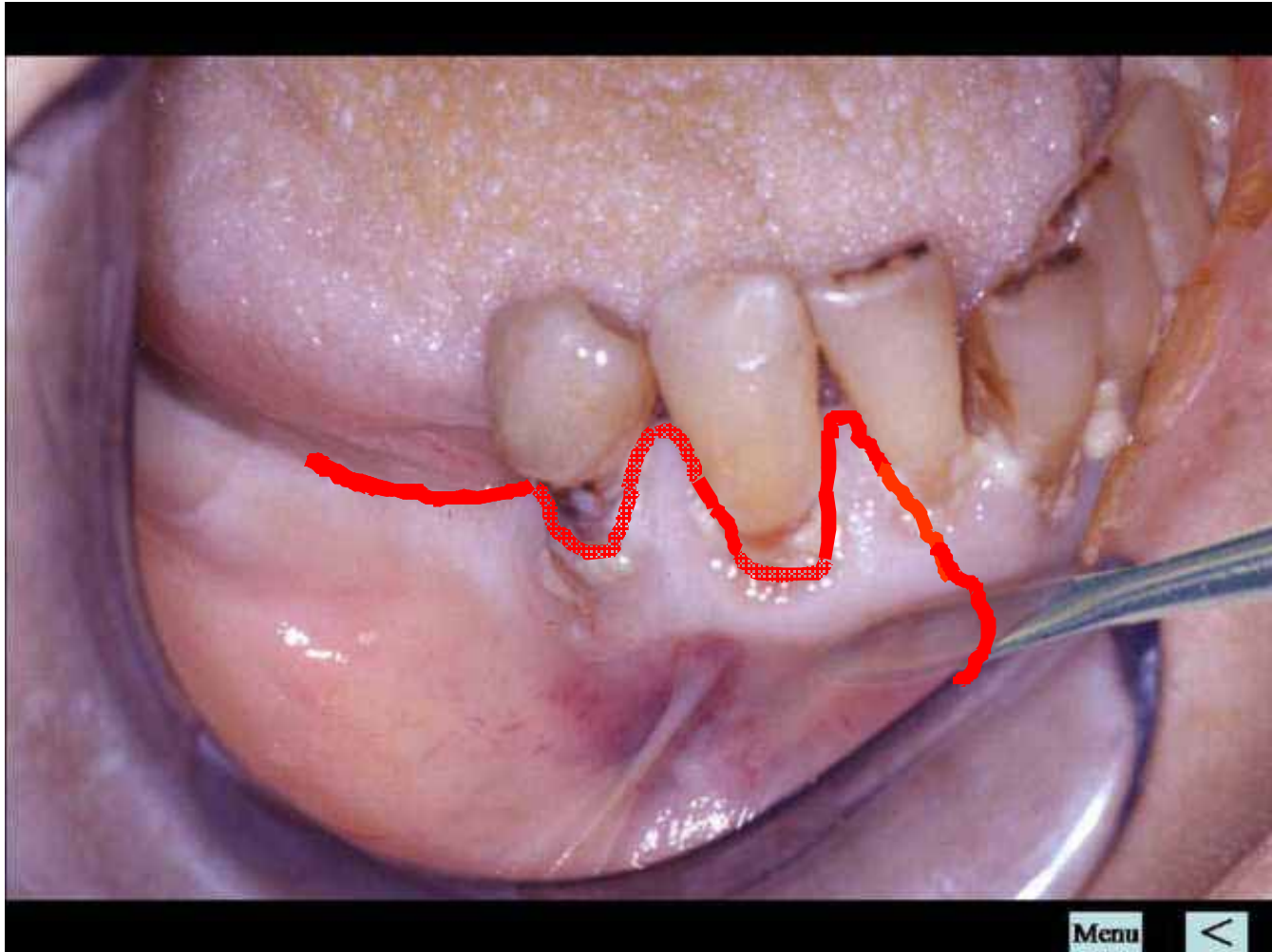


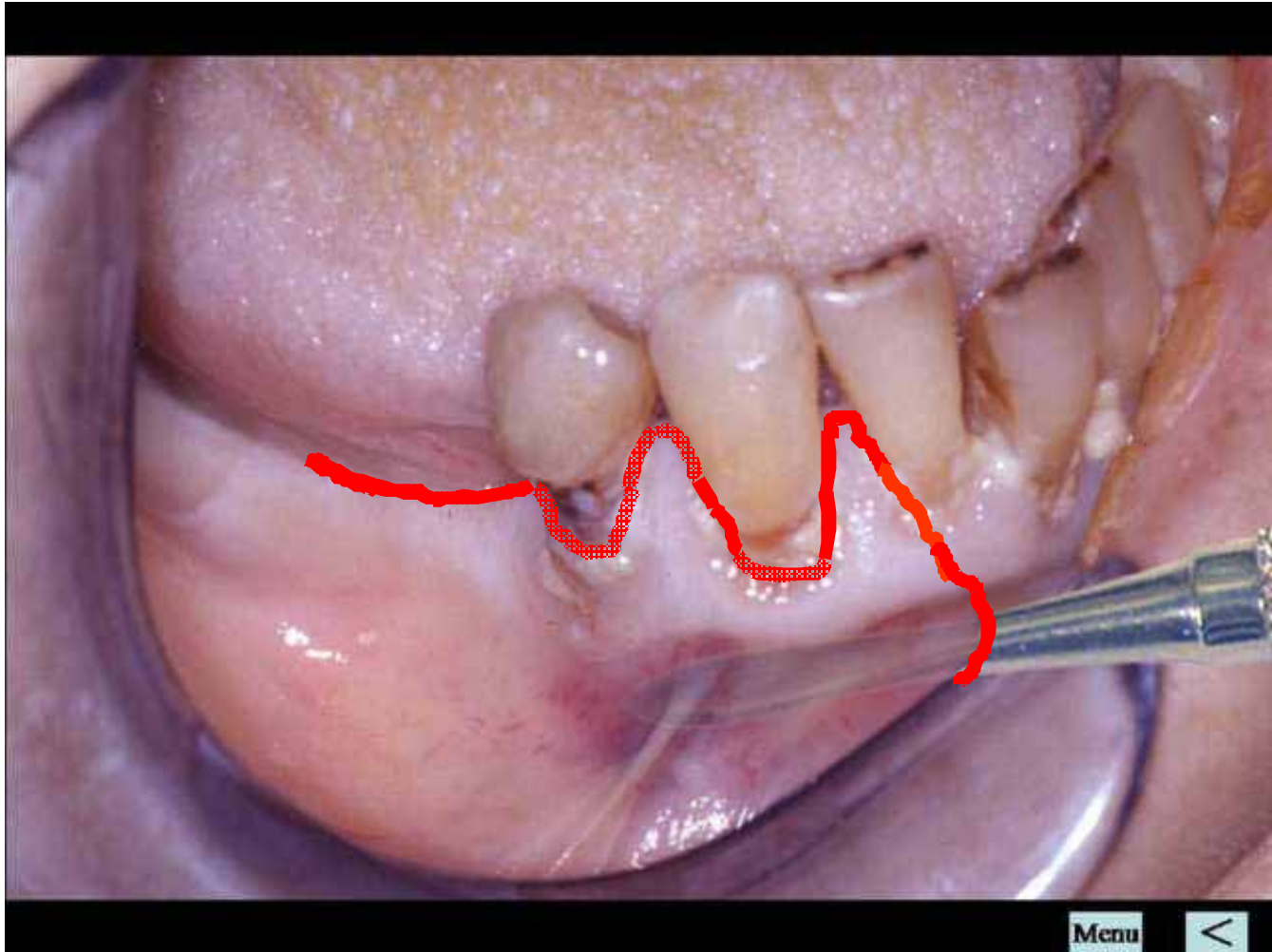
Reflect just below the
Mucogingival Line first



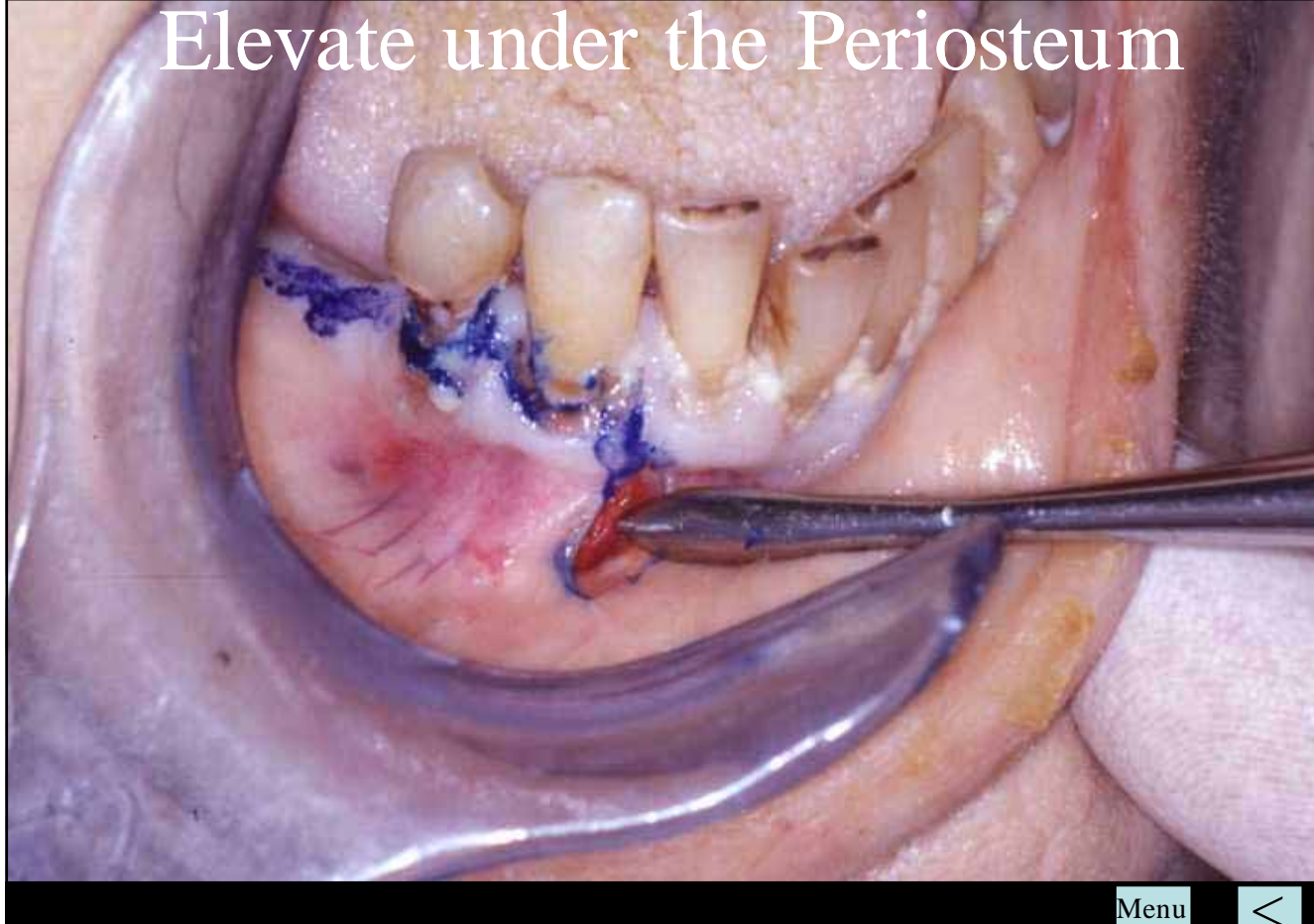
Menu



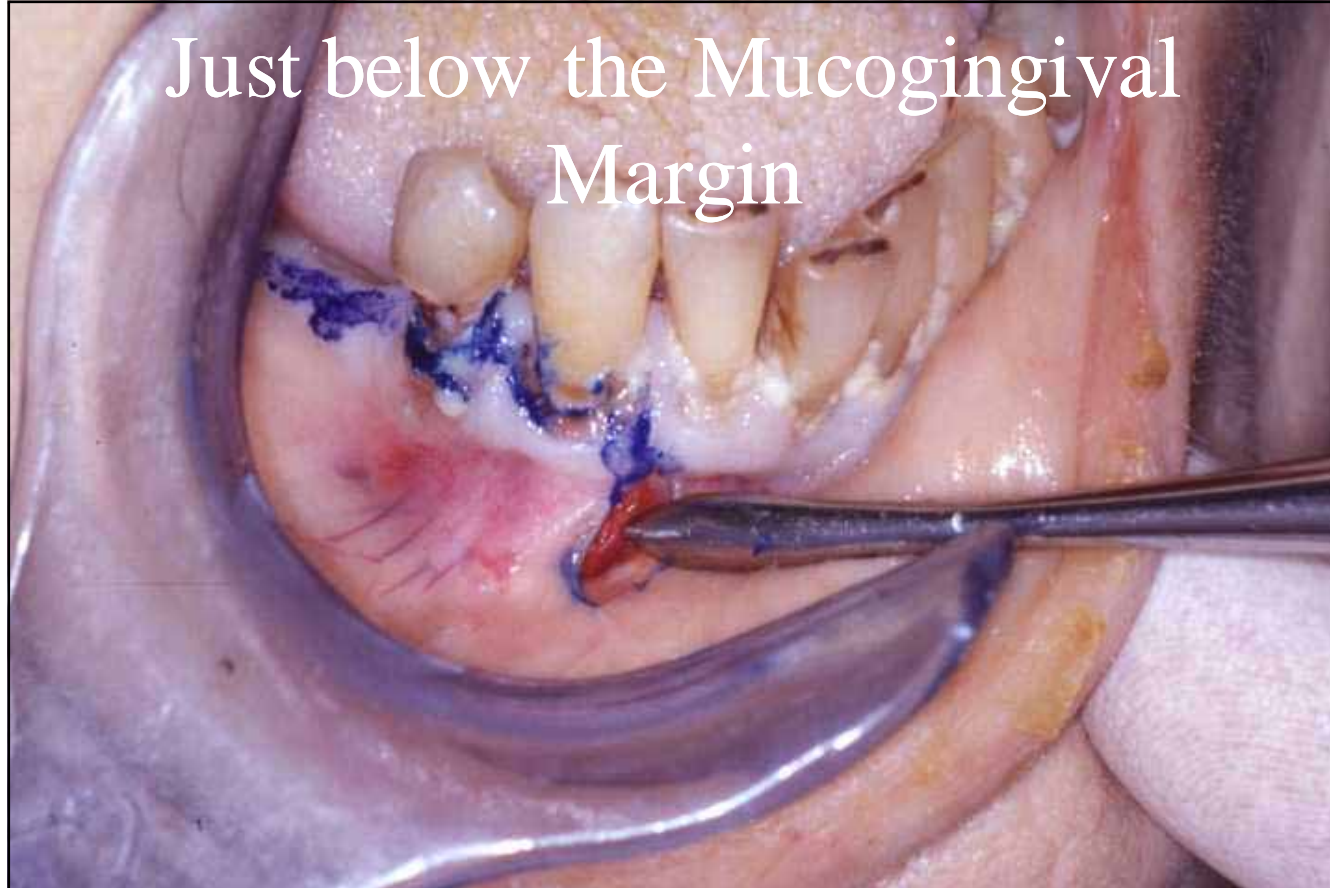




Elevate under the Periosteum



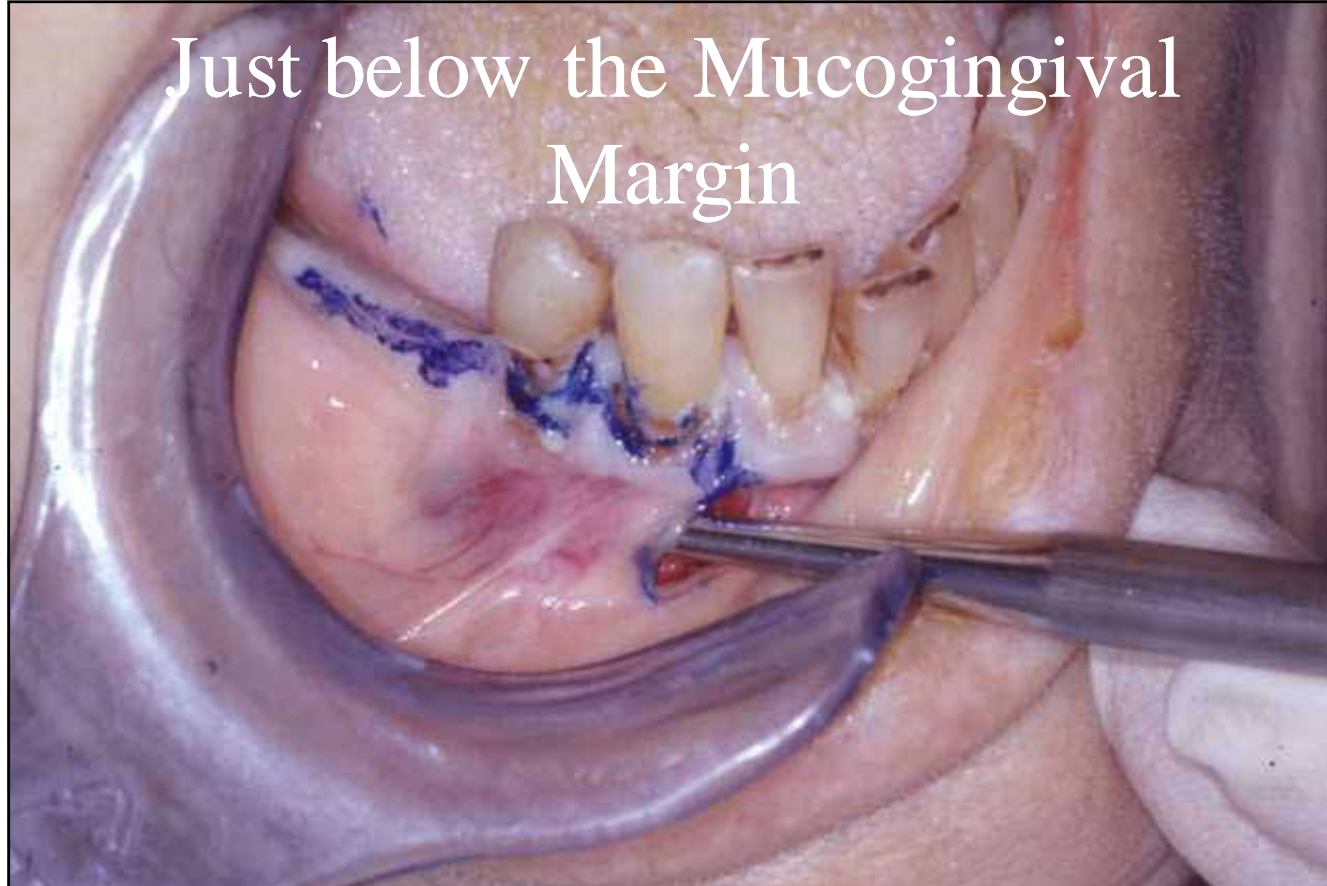
Just below the Mucogingival
Margin



Menu



Just below the Mucogingival
Margin



Menu



Then elevate the Attached Gingiva



Menu

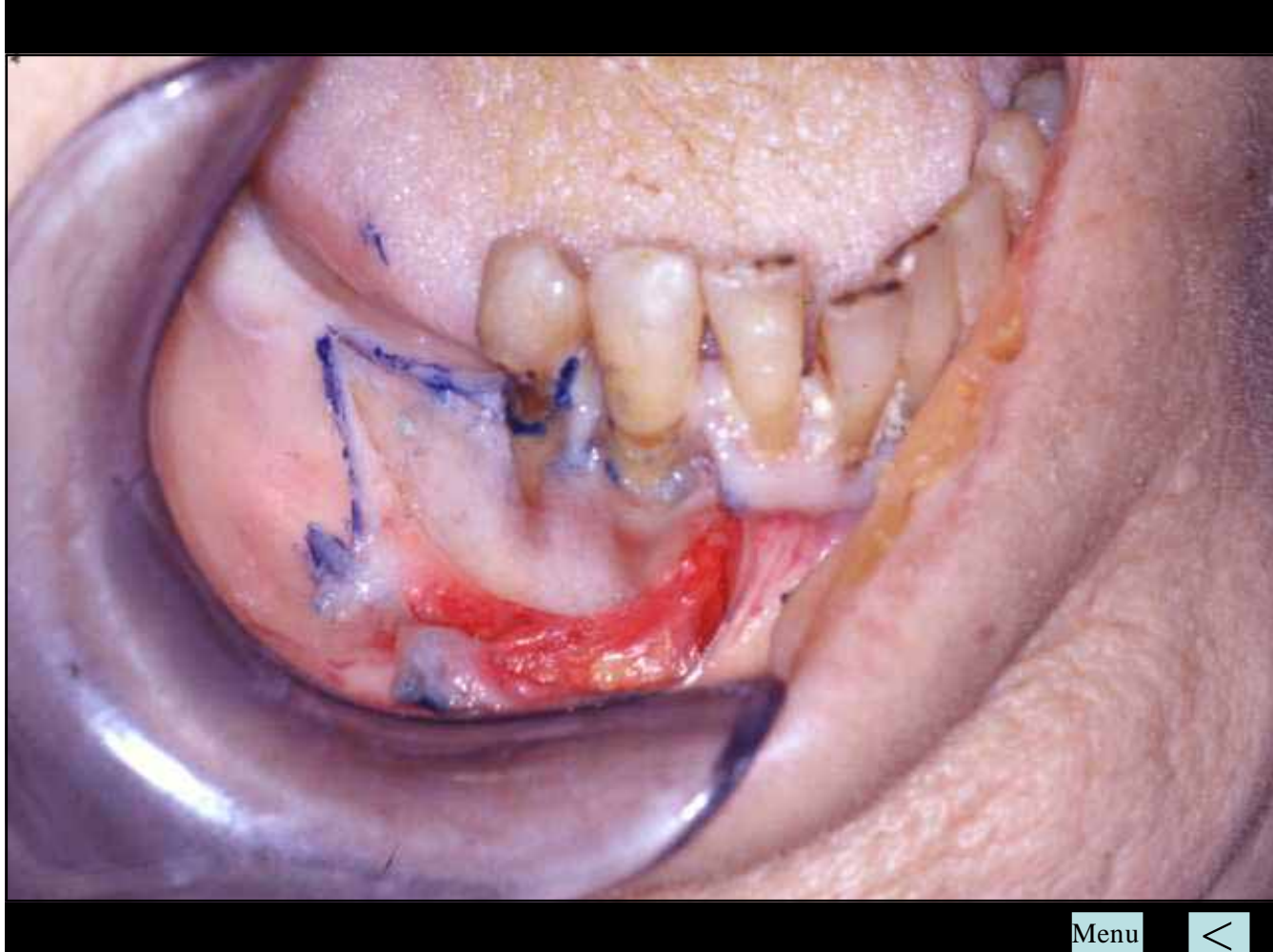


Then elevate the Attached Gingiva



Menu

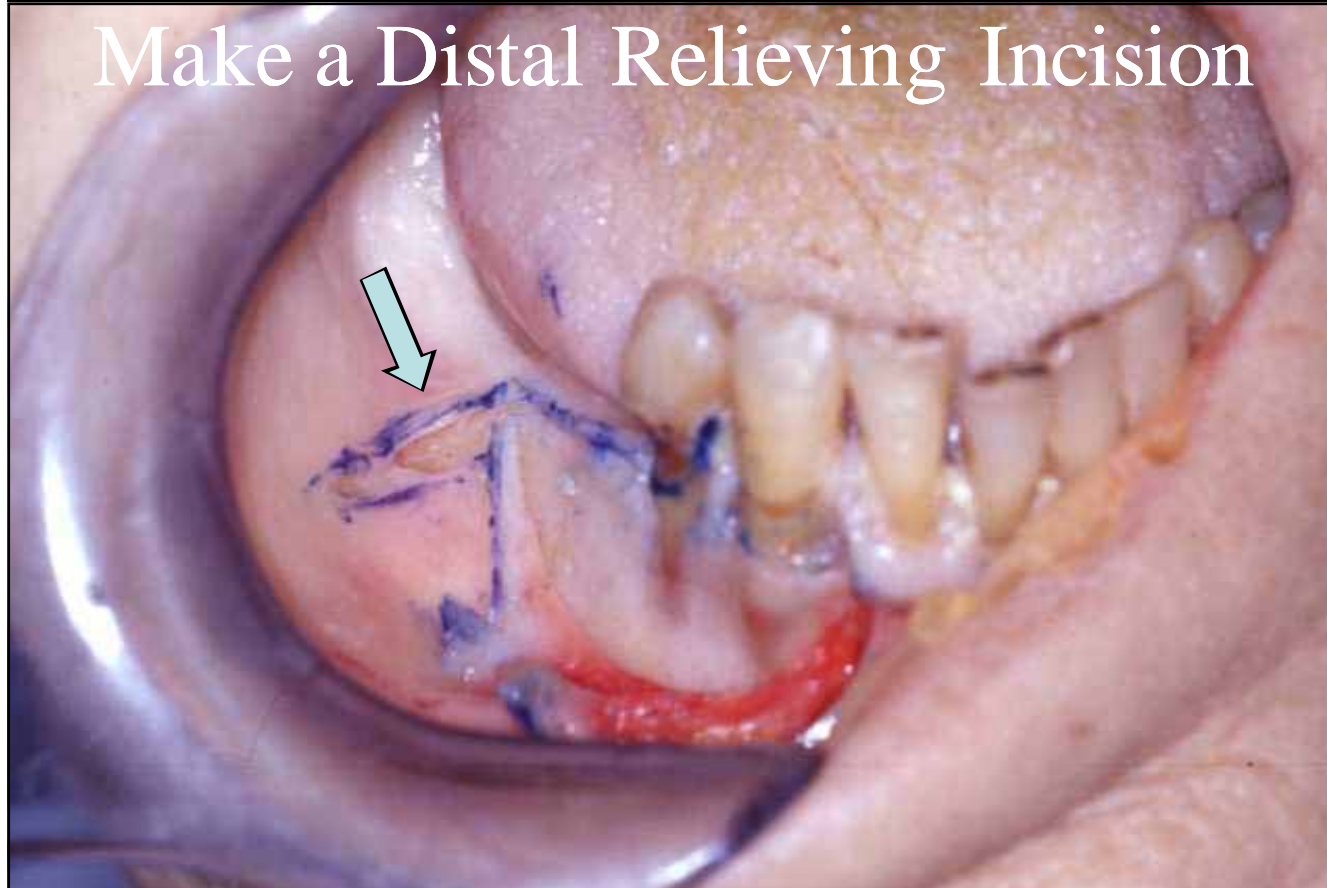




Menu

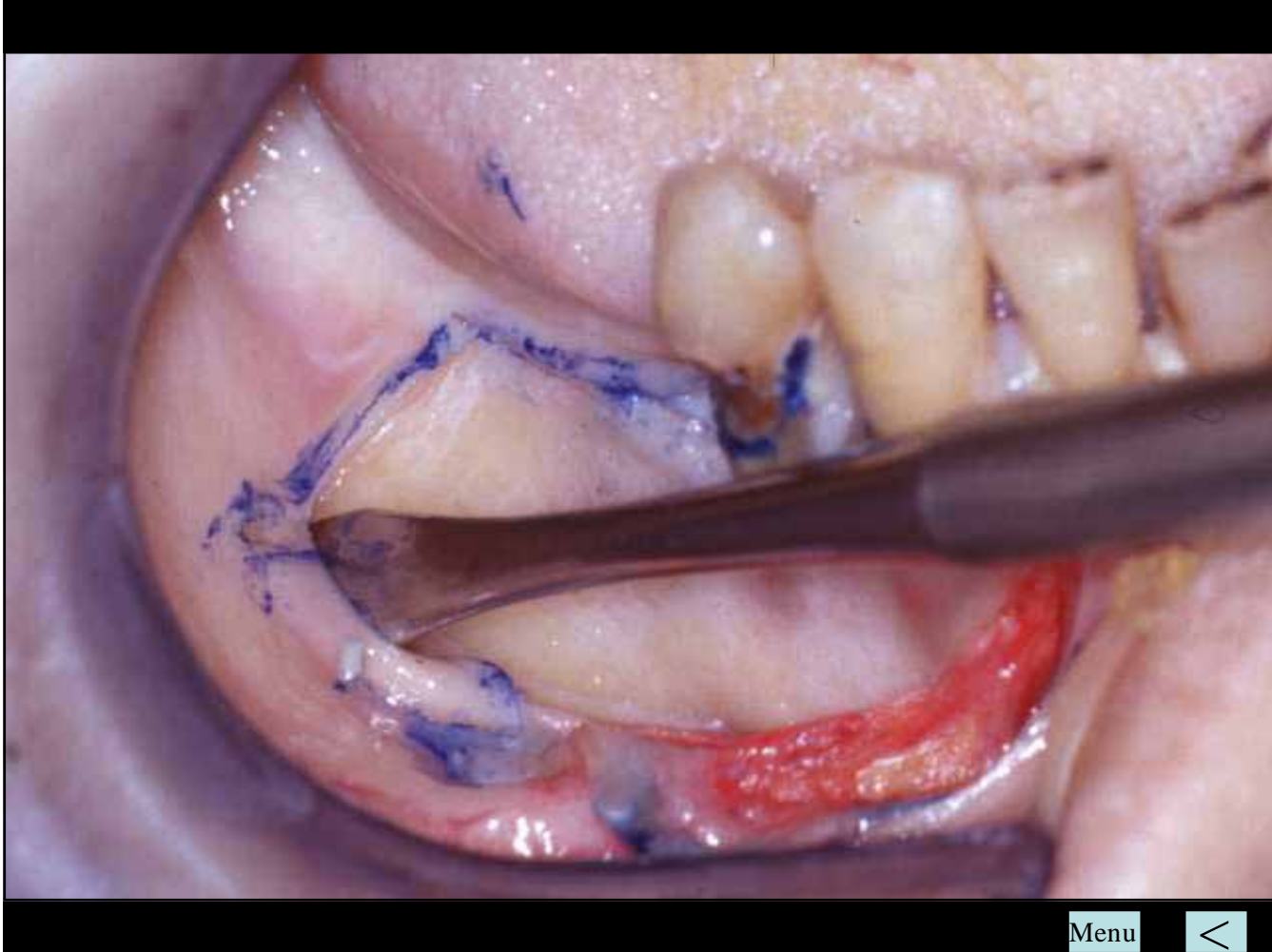


Make a Distal Relieving Incision



Menu

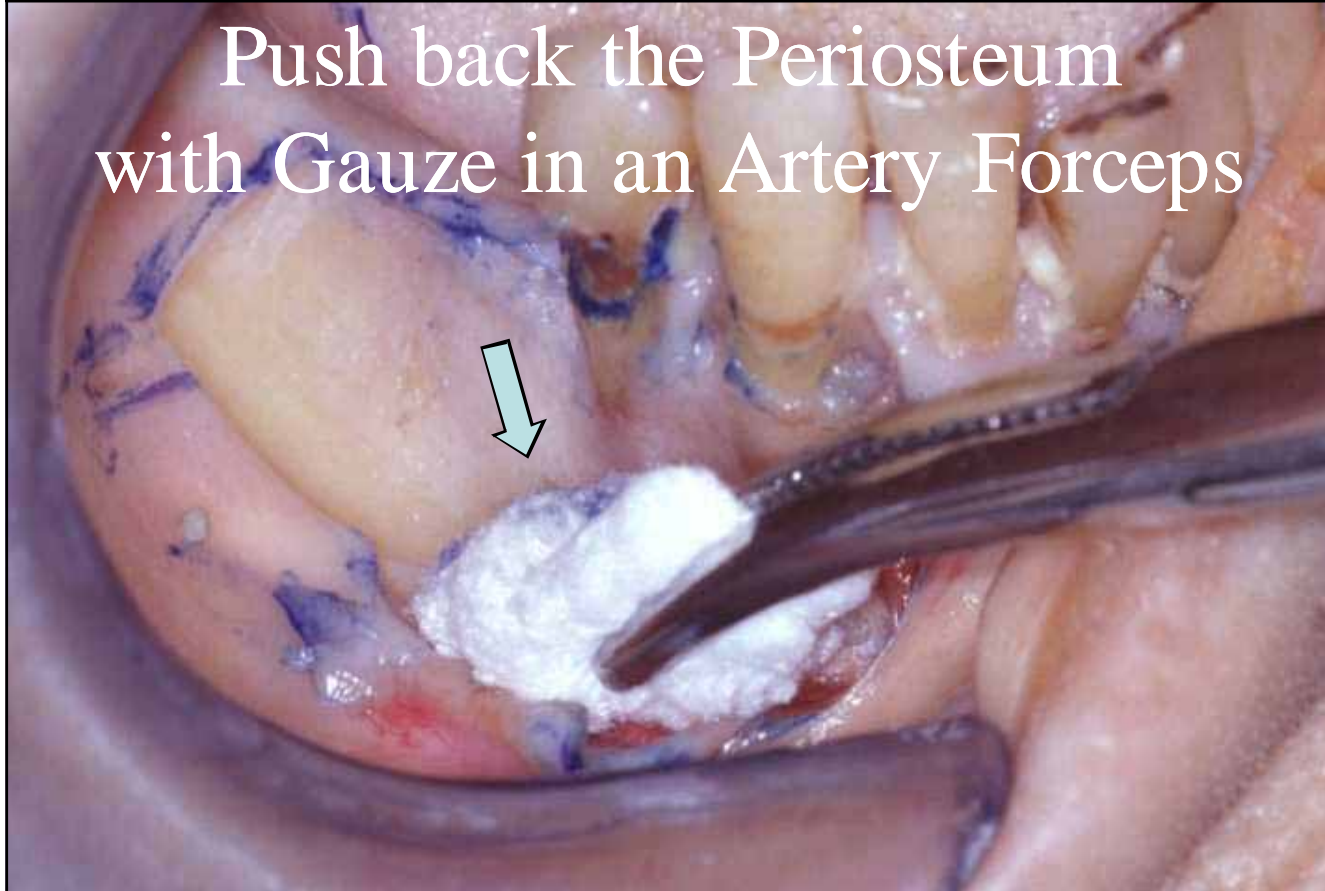




Menu



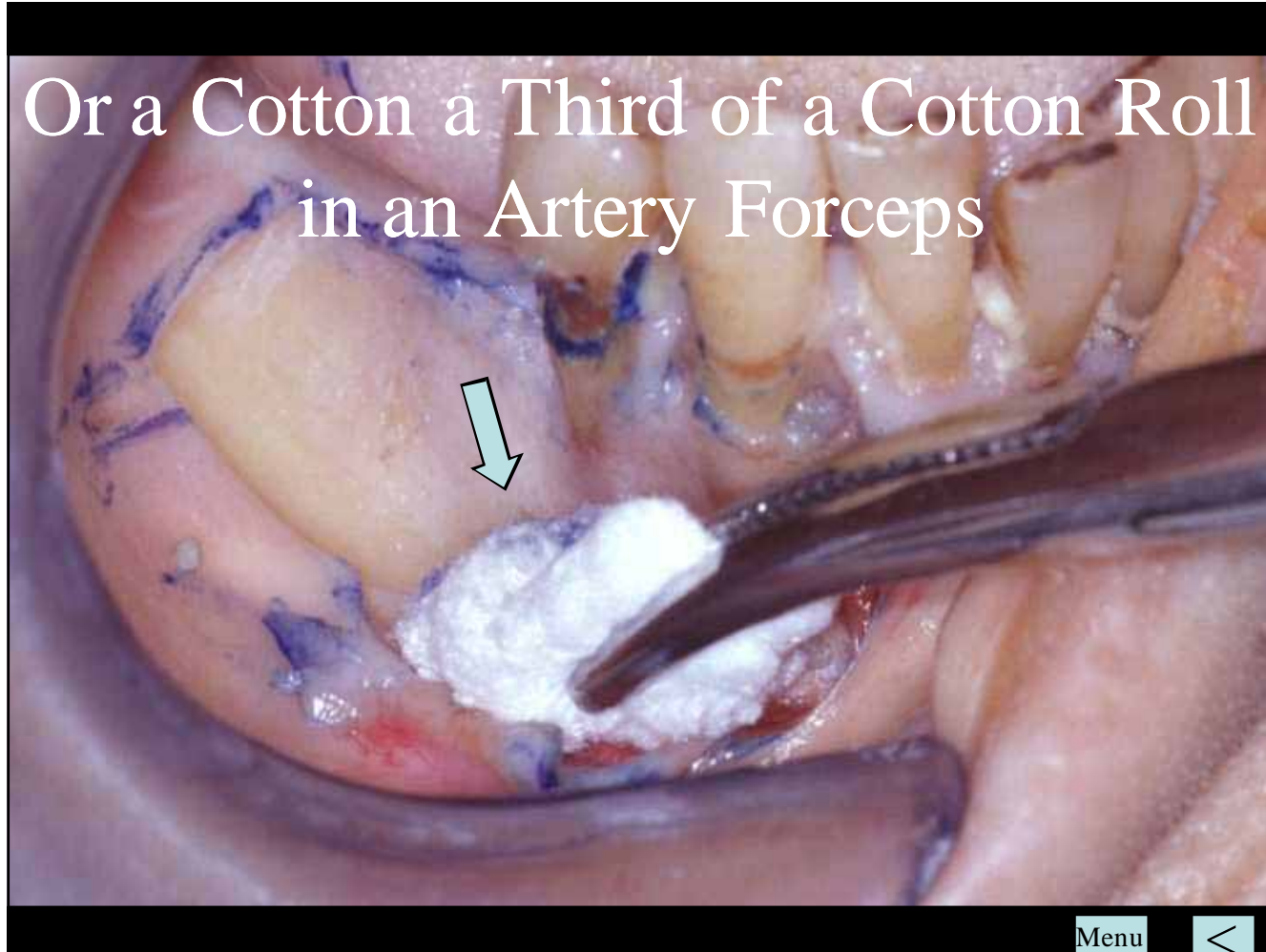
Push back the Periosteum
with Gauze in an Artery Forceps



Menu



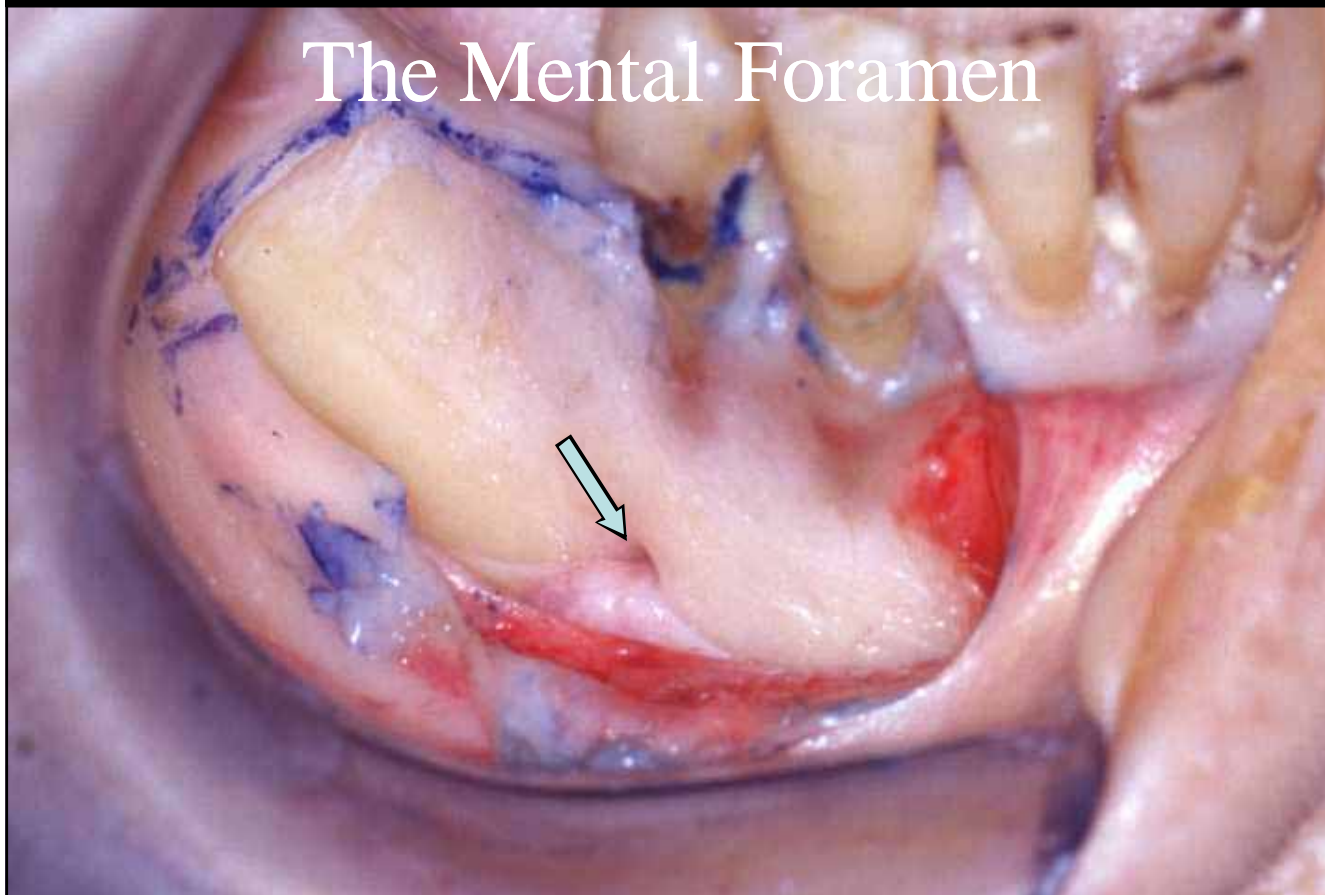
Or a Cotton a Third of a Cotton Roll
in an Artery Forceps



Menu



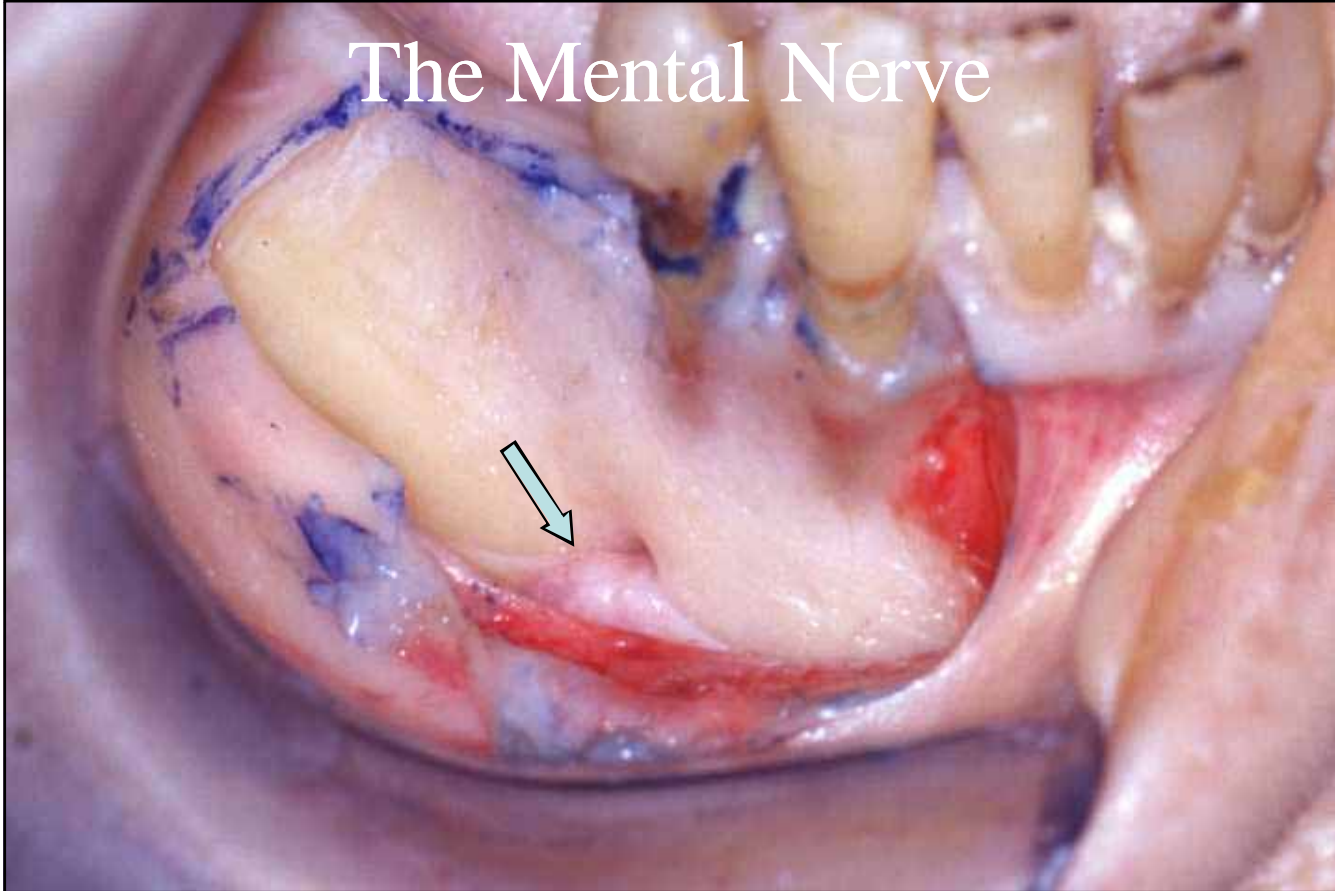
The Mental Foramen



Menu



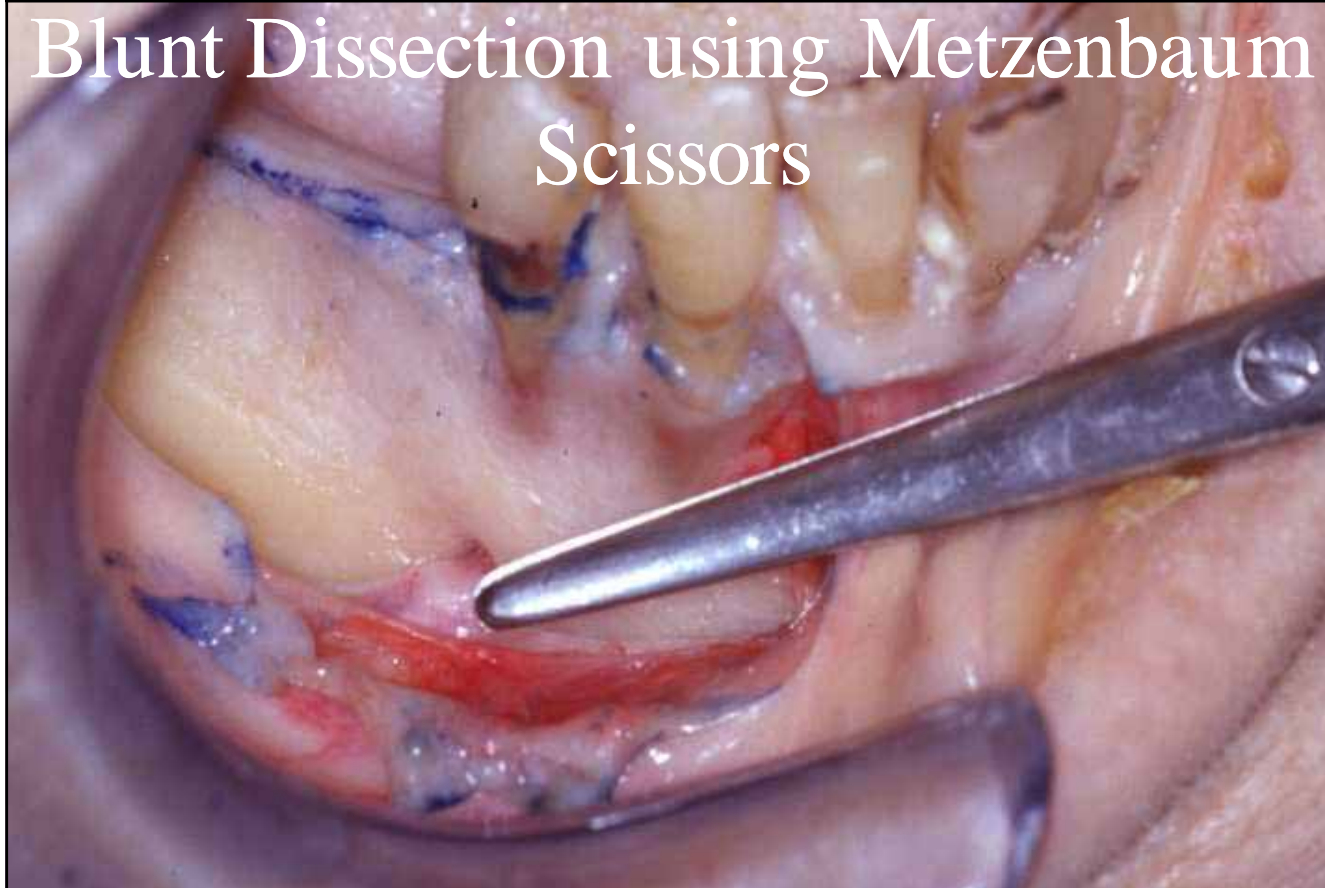
The Mental Nerve



Menu



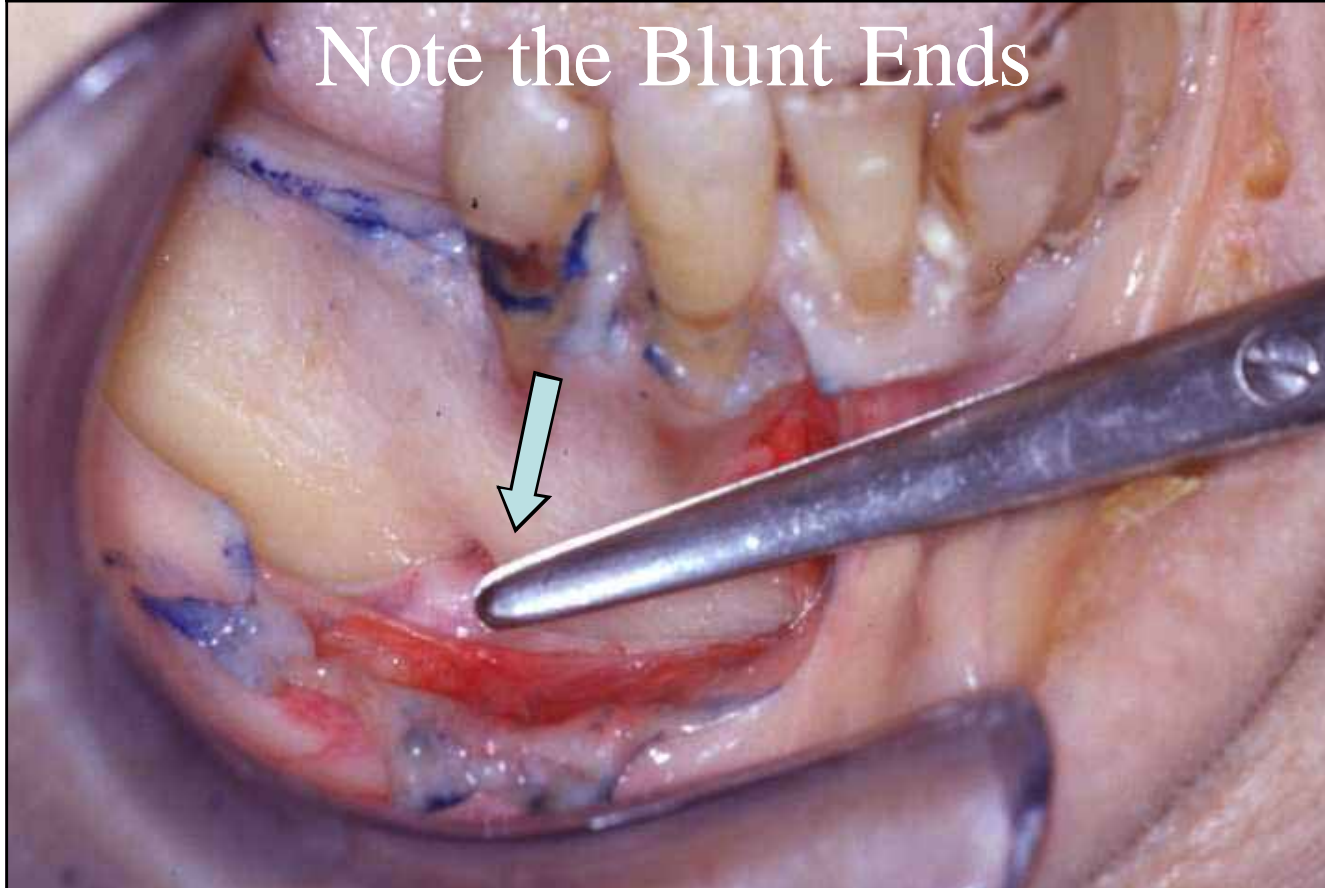
Blunt Dissection using Metzenbaum Scissors



Menu



Note the Blunt Ends



Menu



This Technique reduced
Possible Nerve Damage



Menu



The Scissors are pushed
into the Tissues



Menu

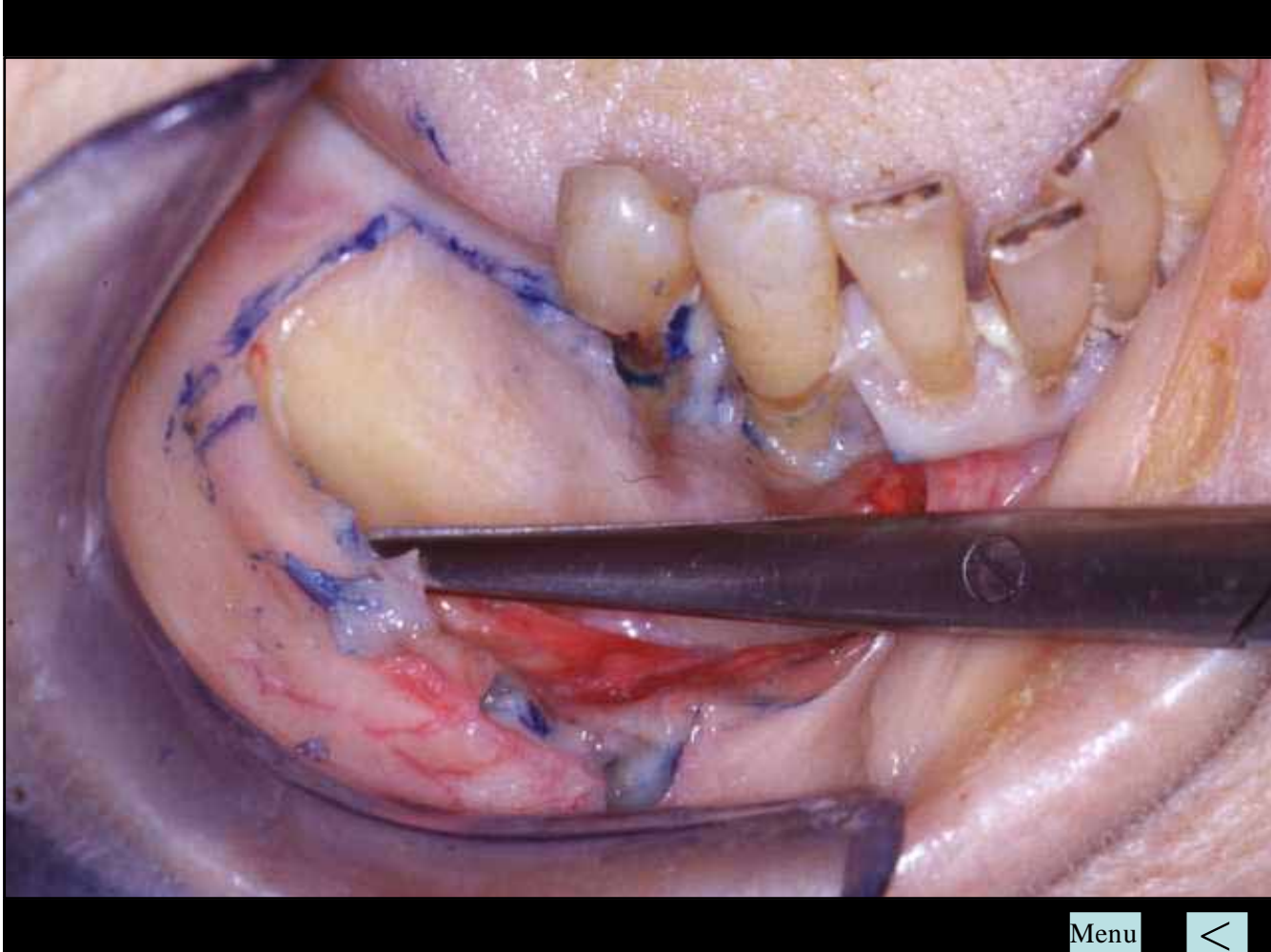


The Scissors are opened
dividing the Tissue



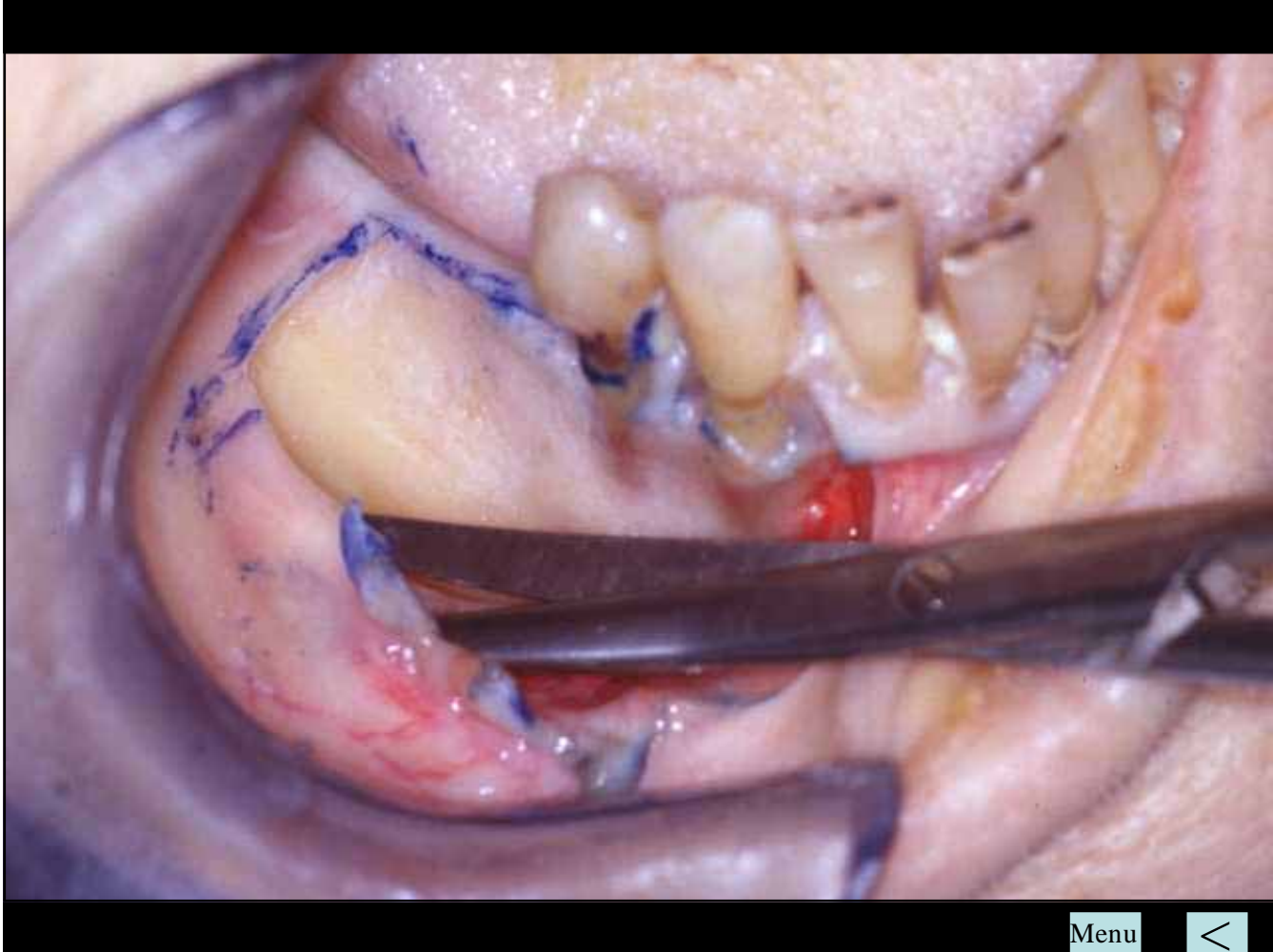
Menu





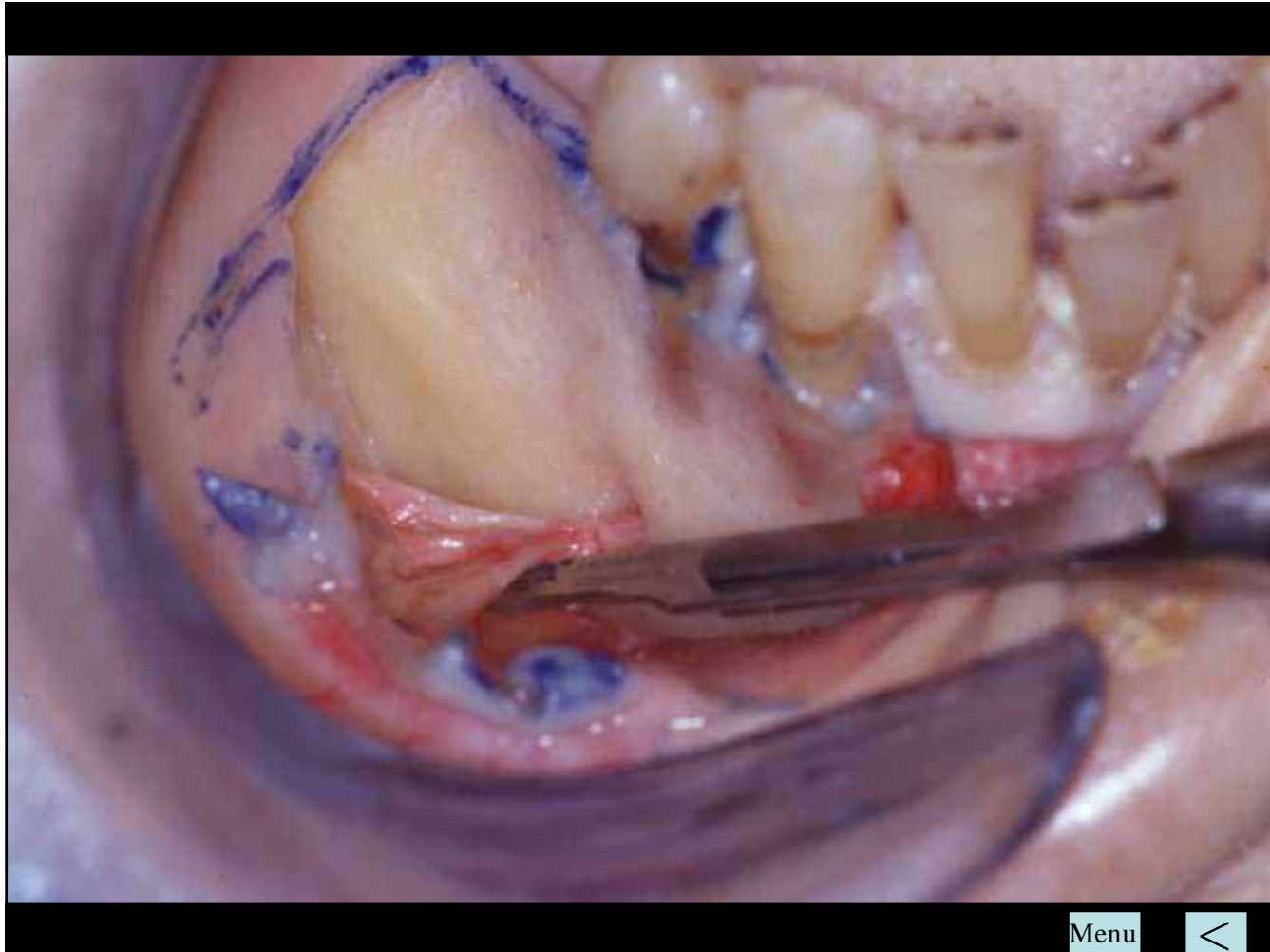
Menu





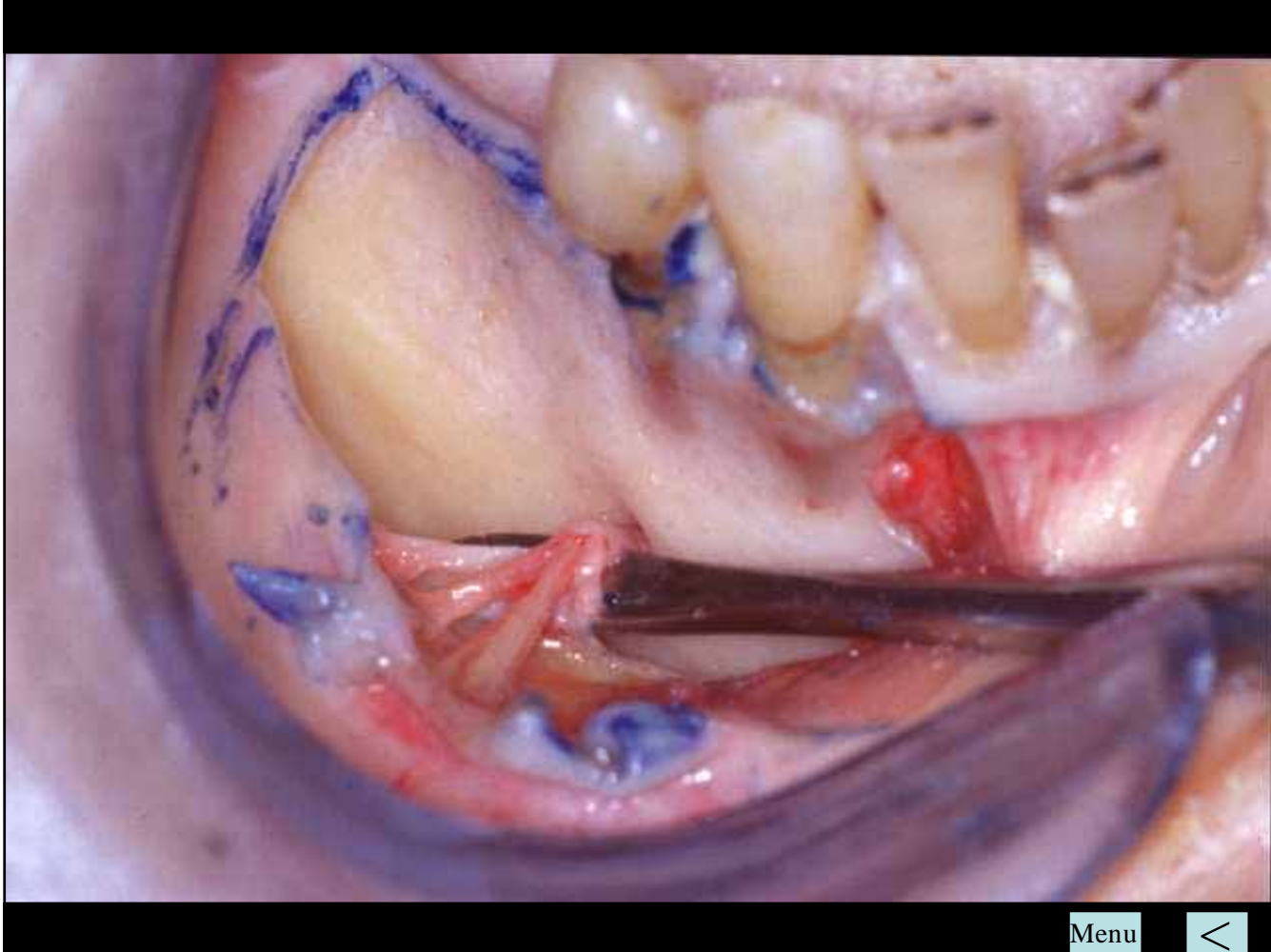
Menu

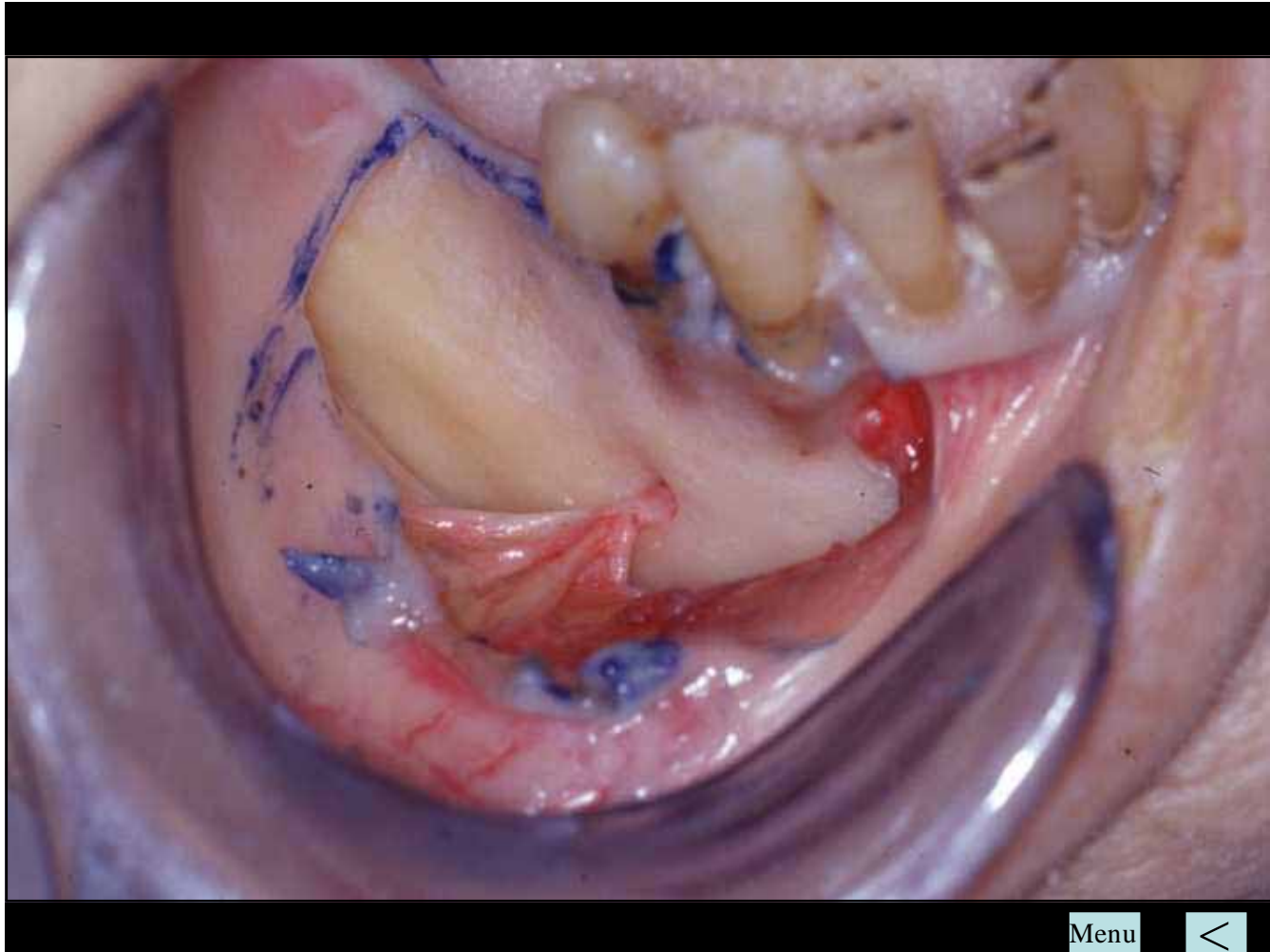




Menu



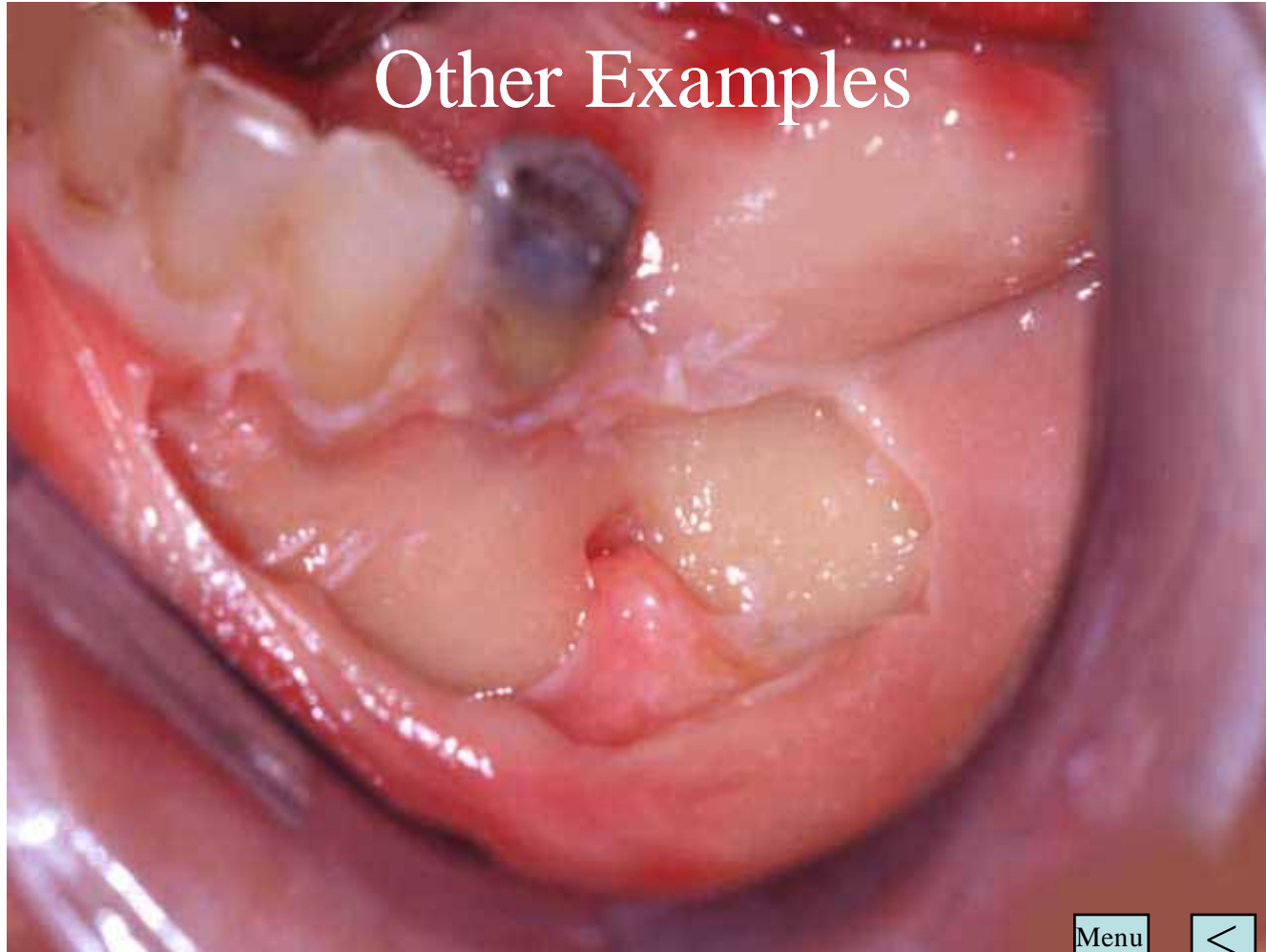




Menu



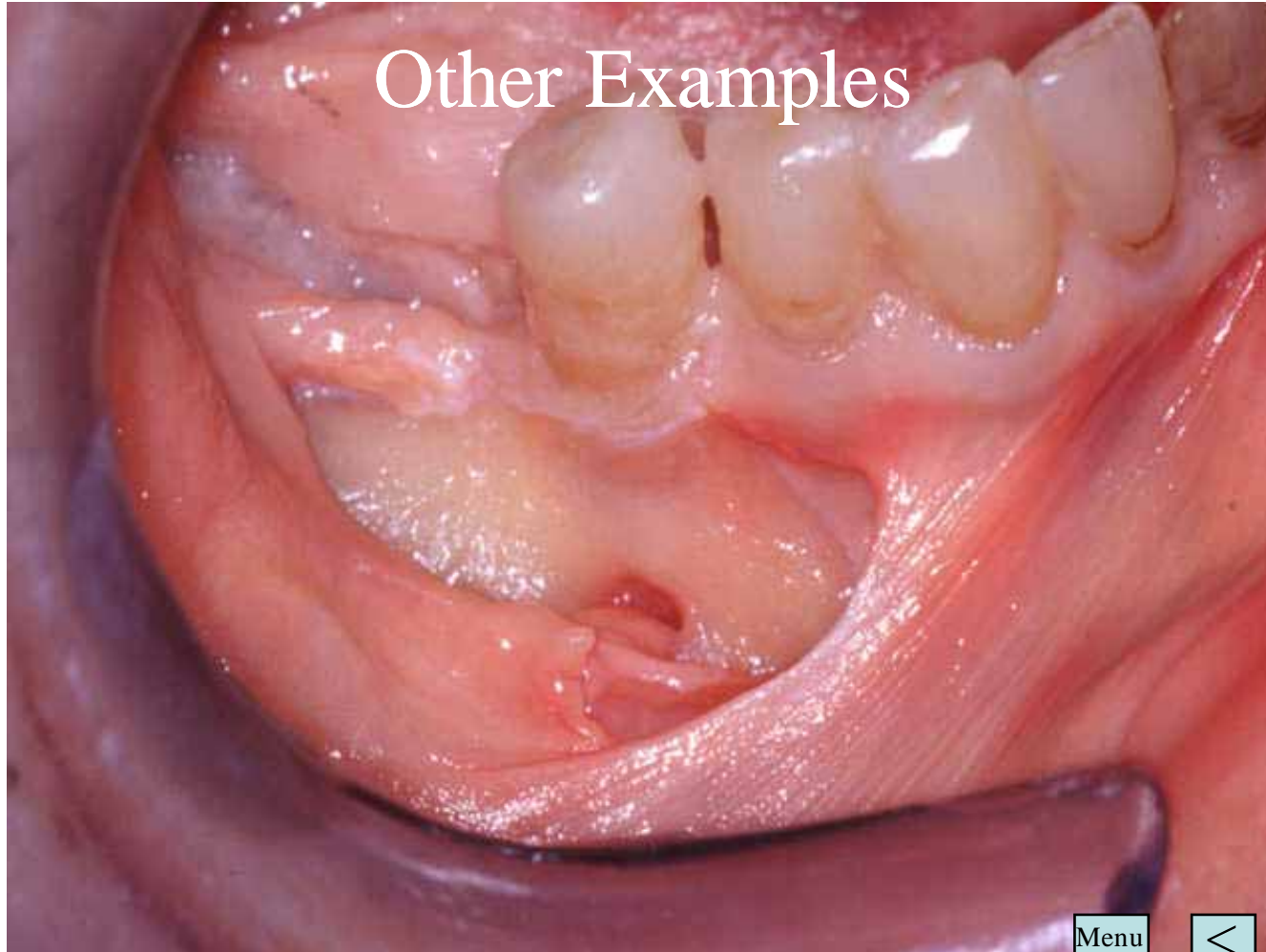
Other Examples



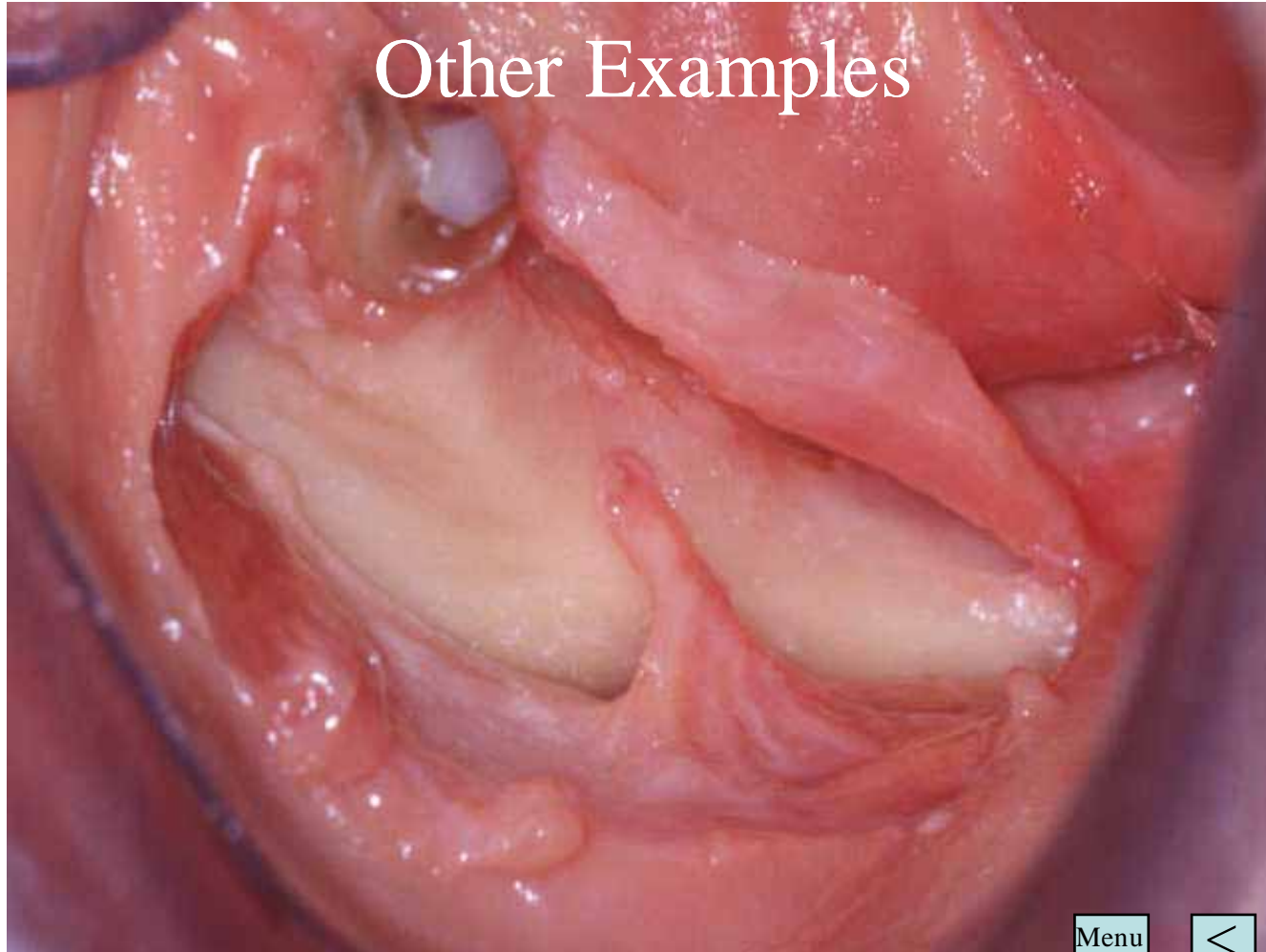
Menu



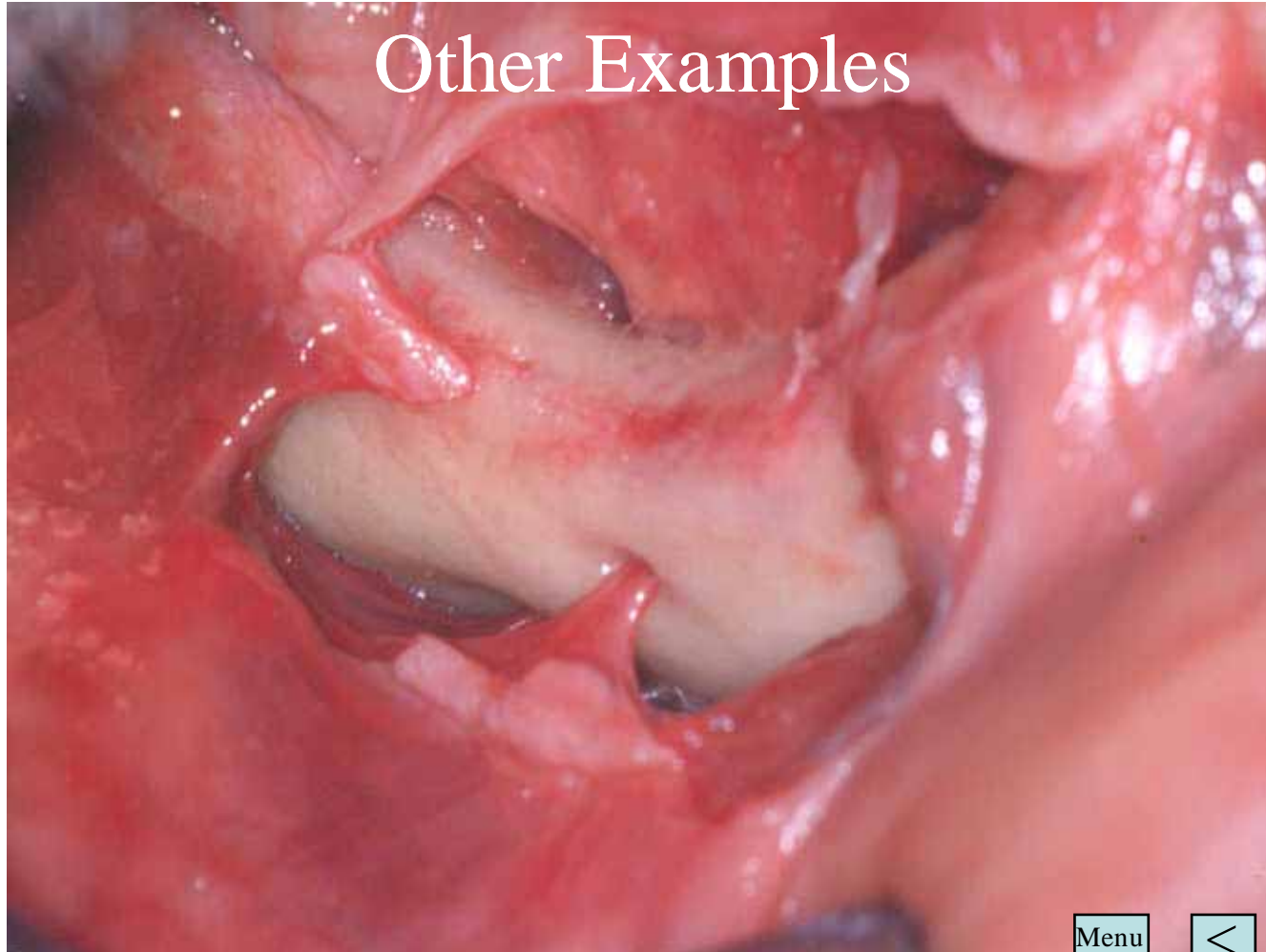
Other Examples



Other Examples



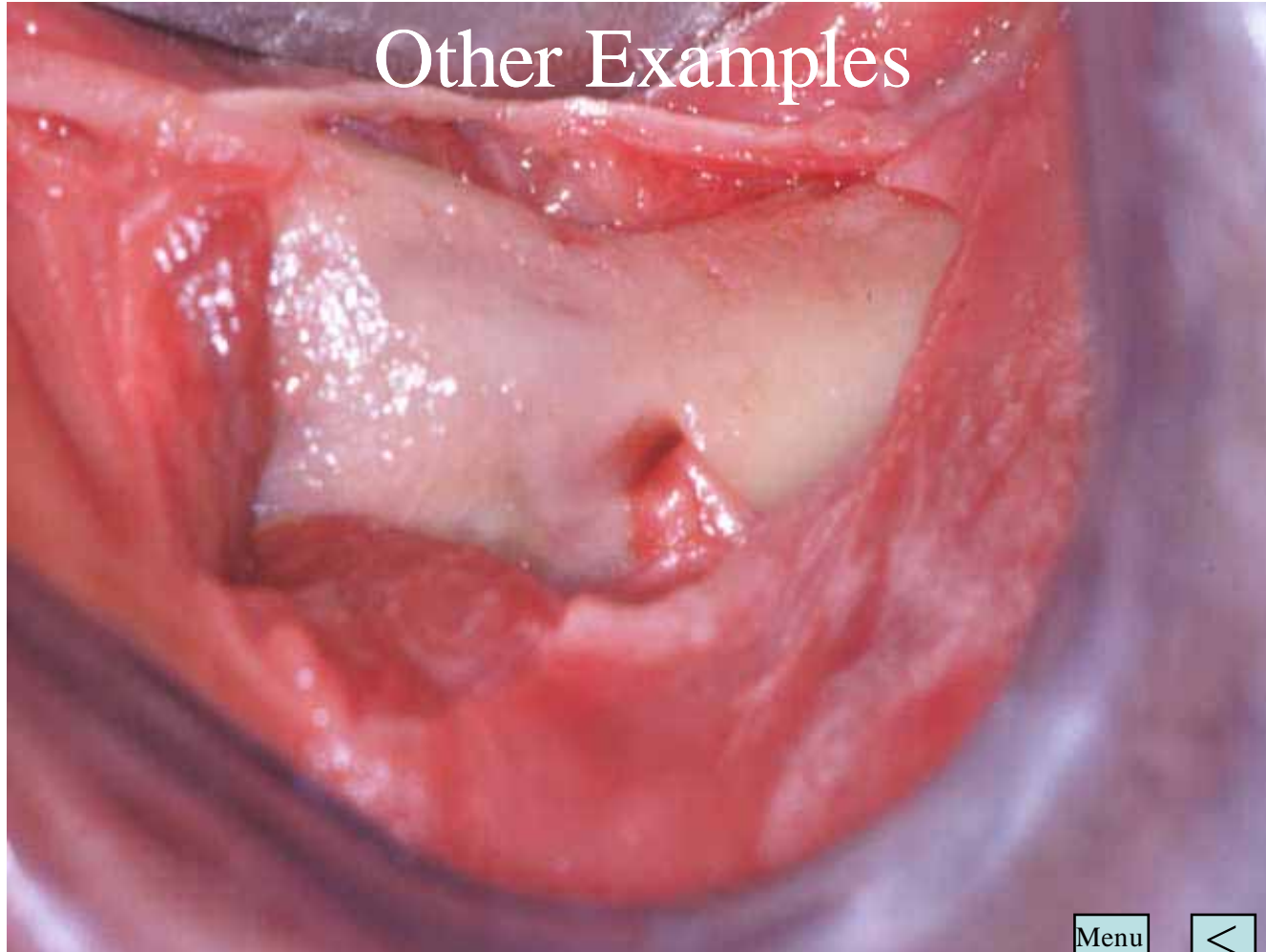
Other Examples



Menu



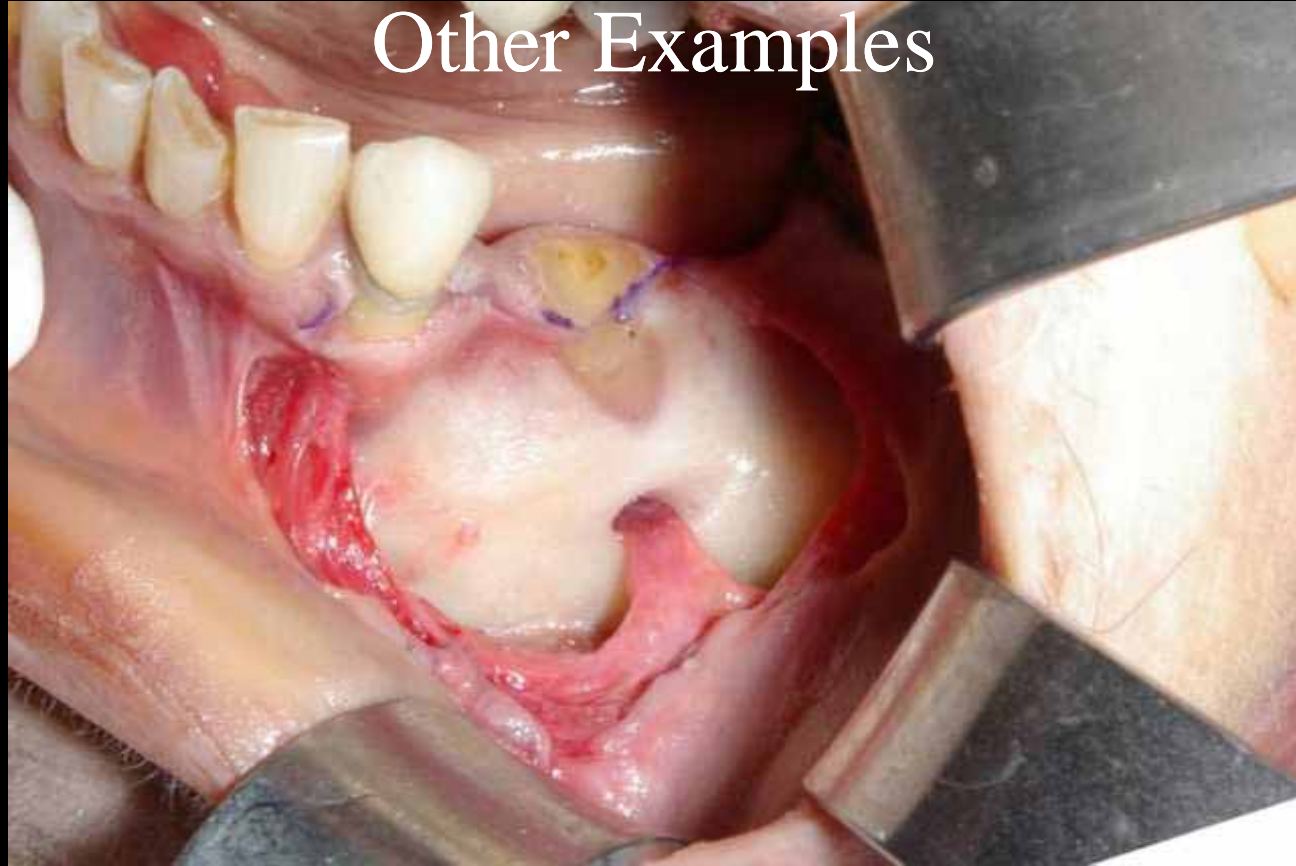
Other Examples



Menu



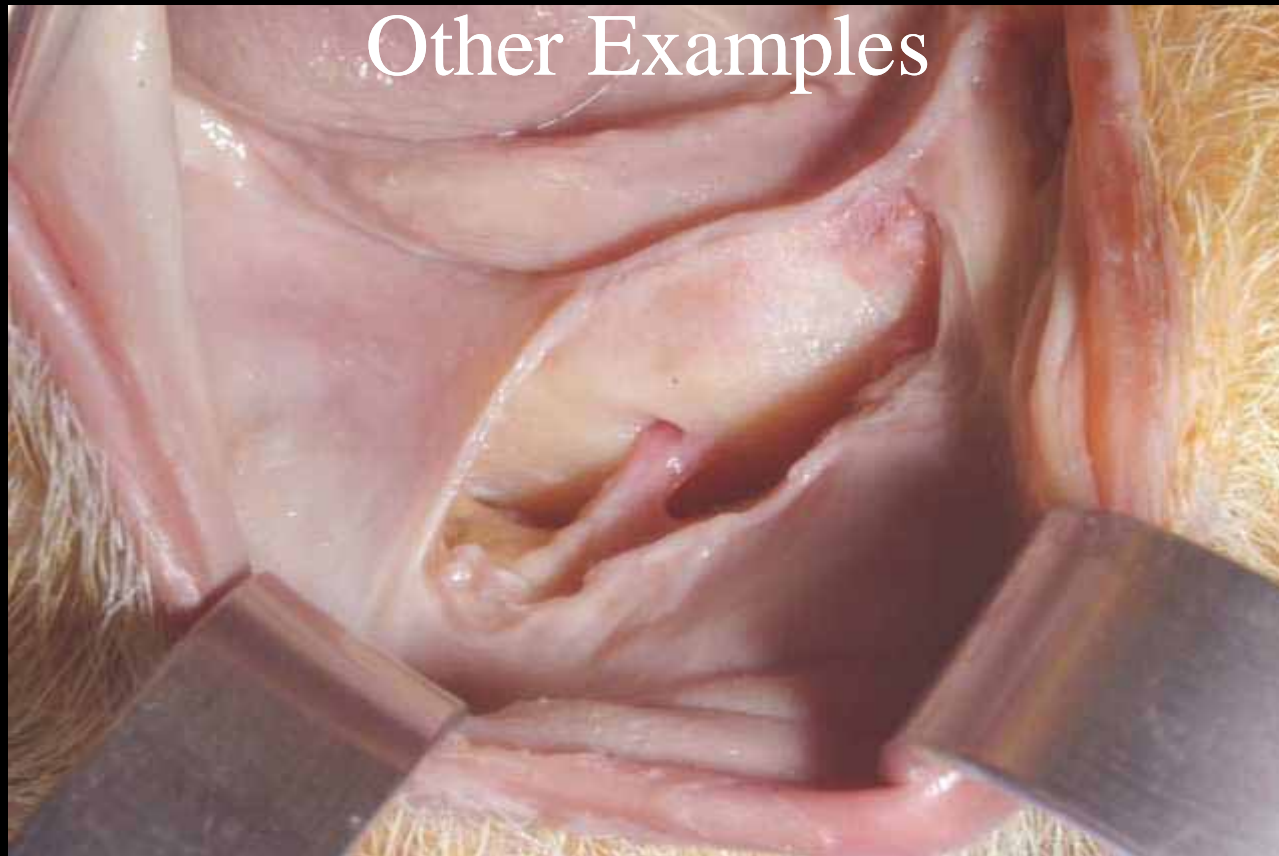
Other Examples



Menu



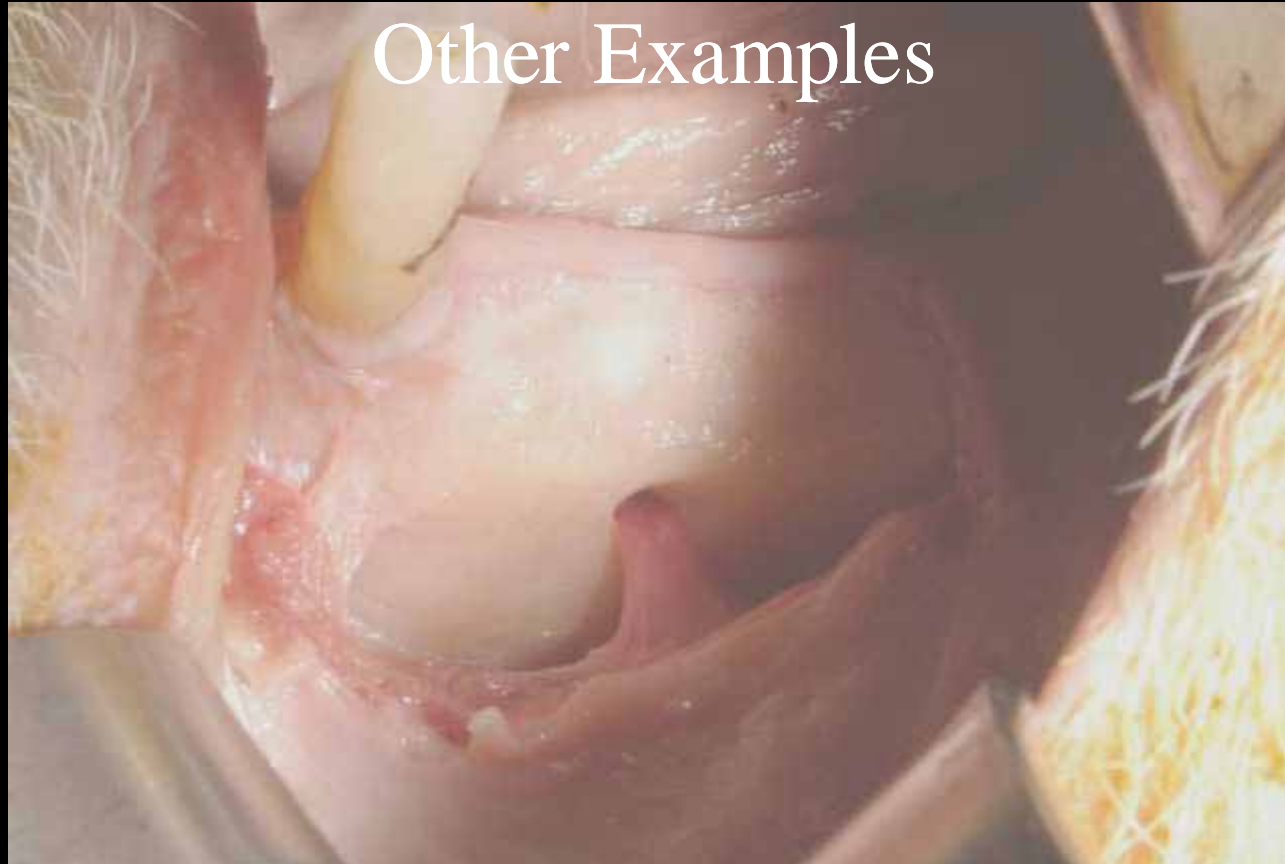
Other Examples



Menu



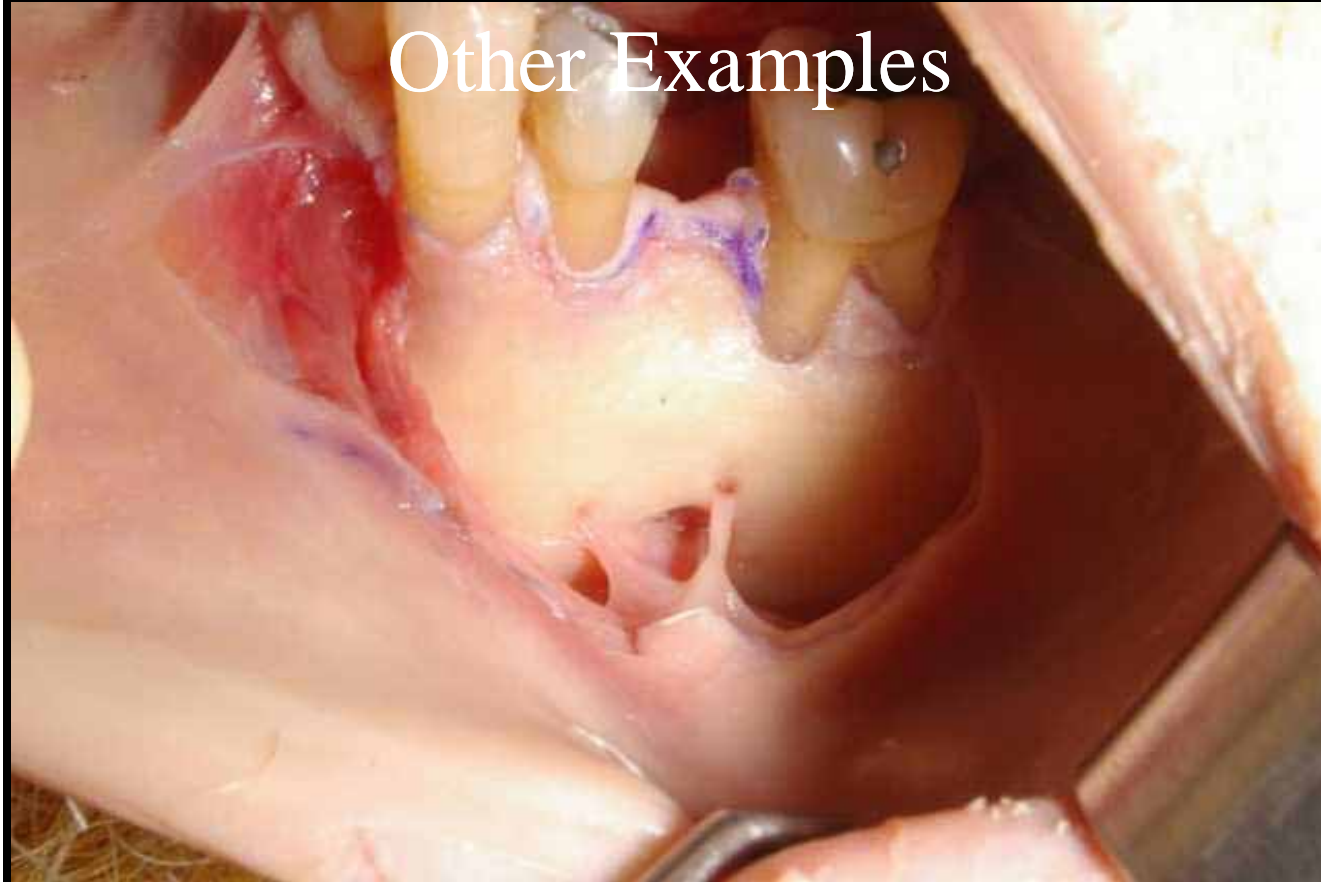
Other Examples



Menu



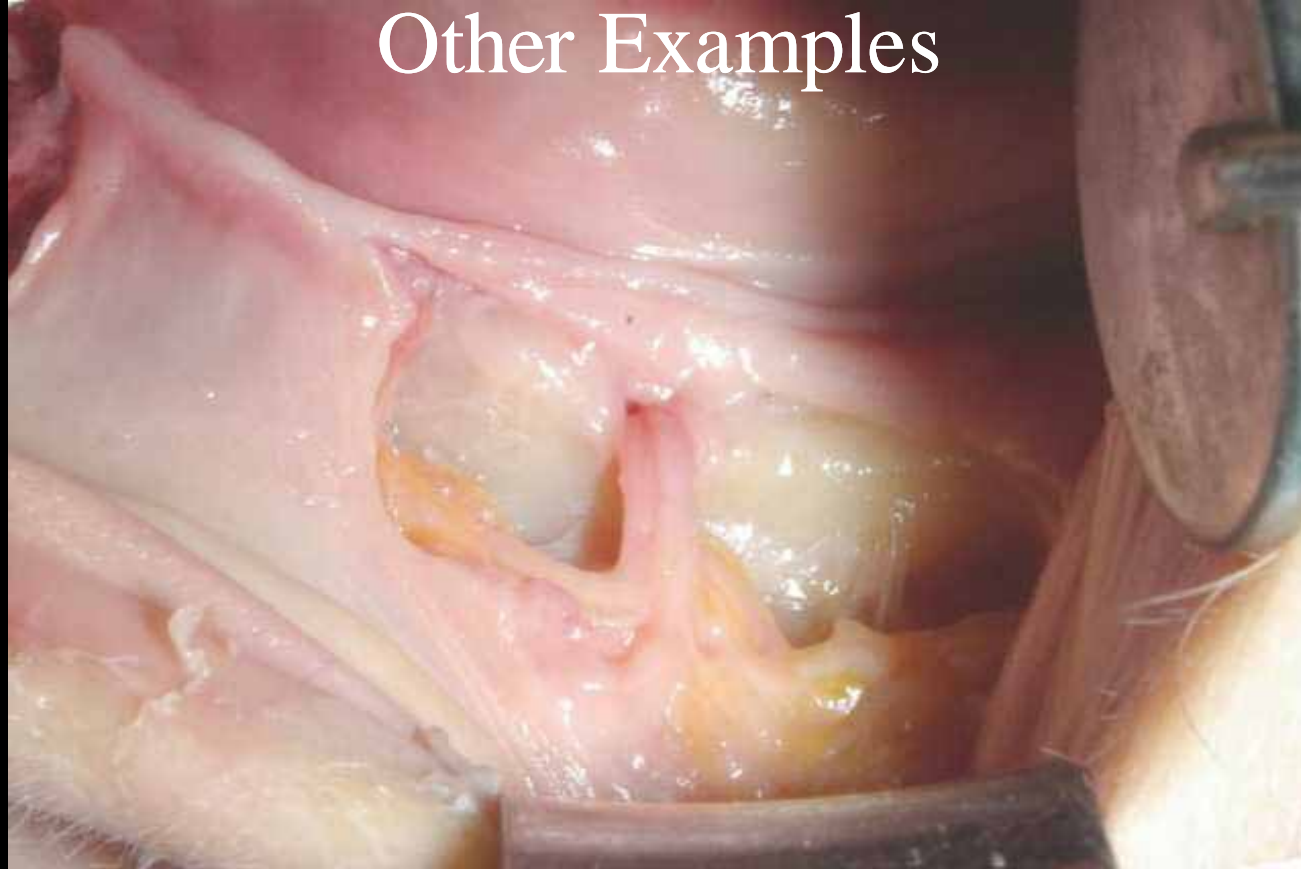
Other Examples



Menu



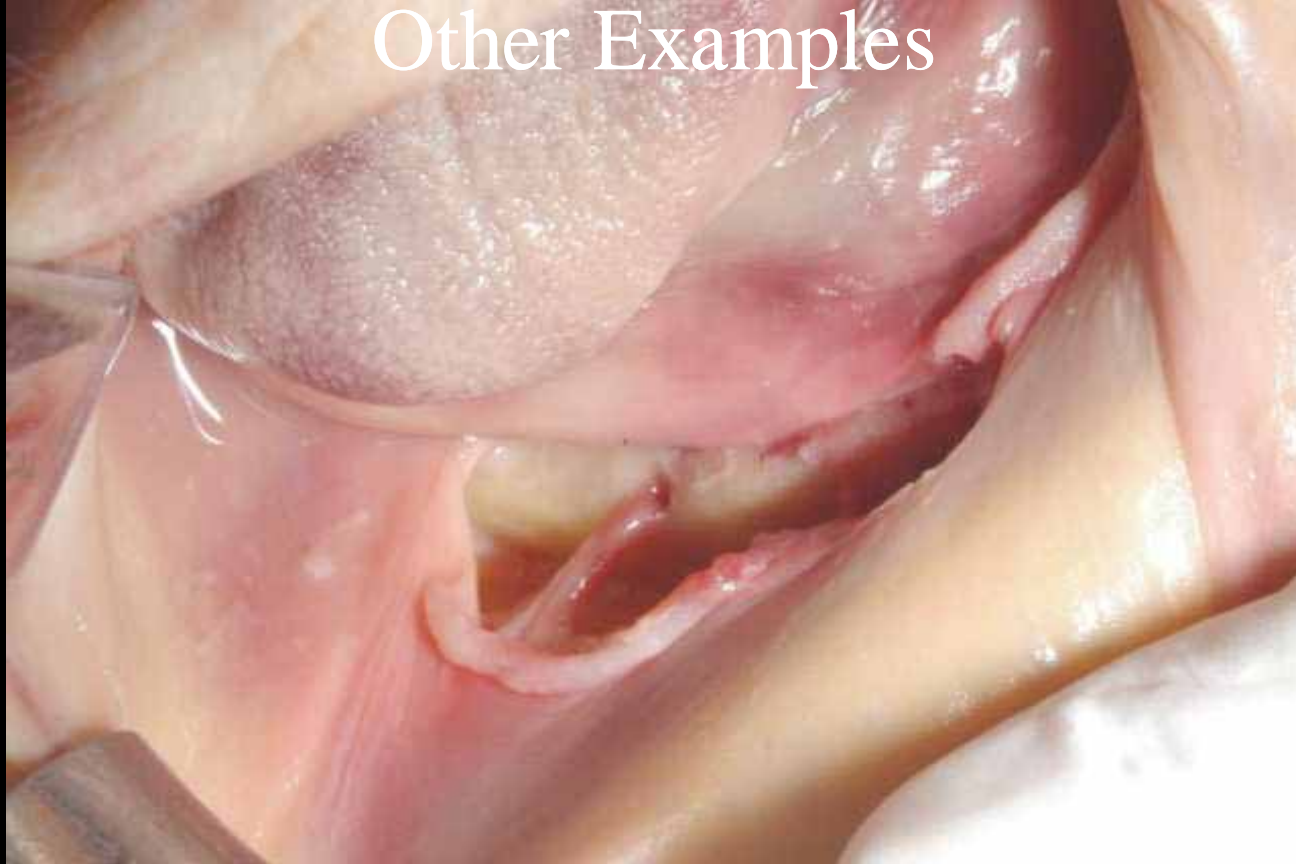
Other Examples



Menu



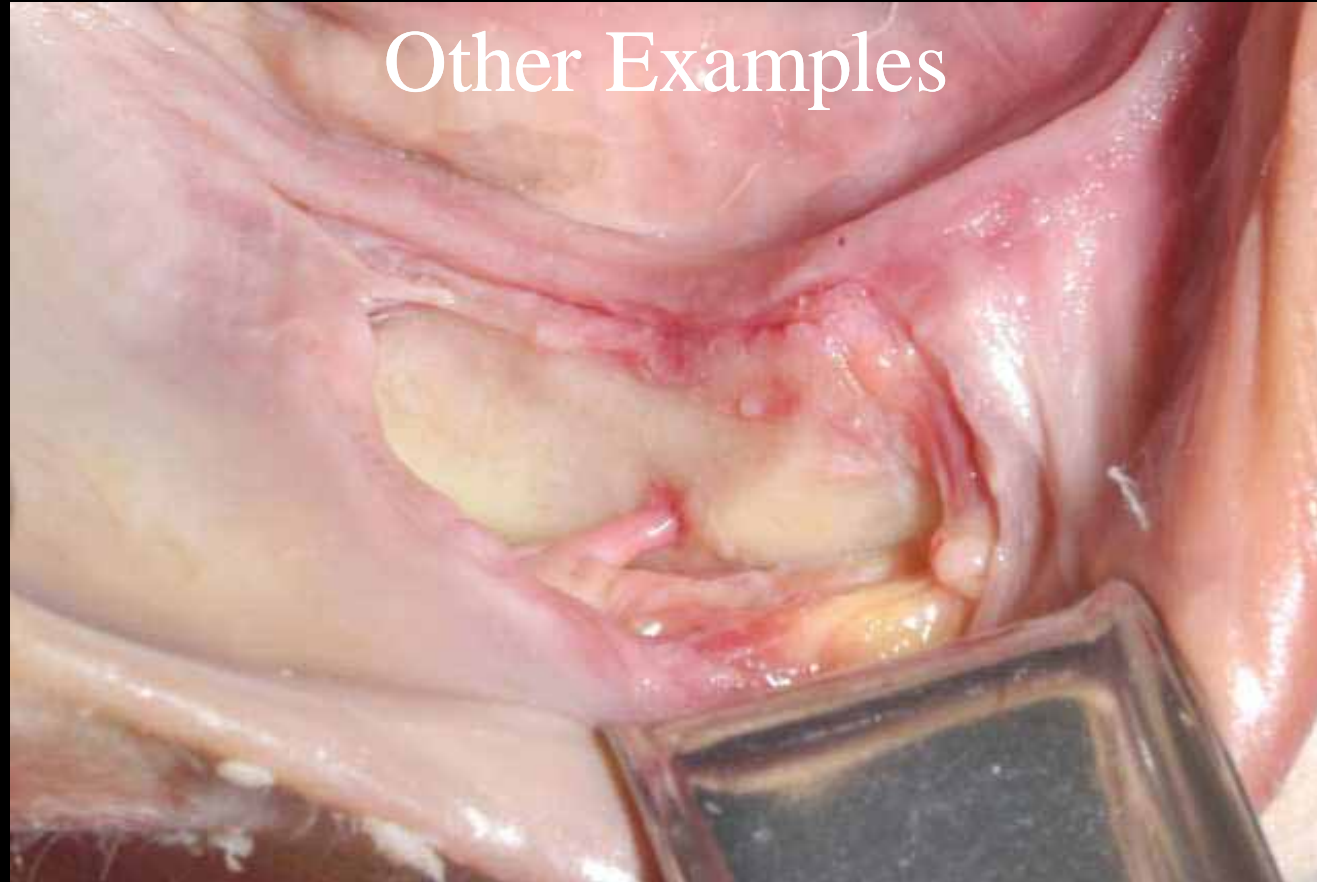
Other Examples



Menu



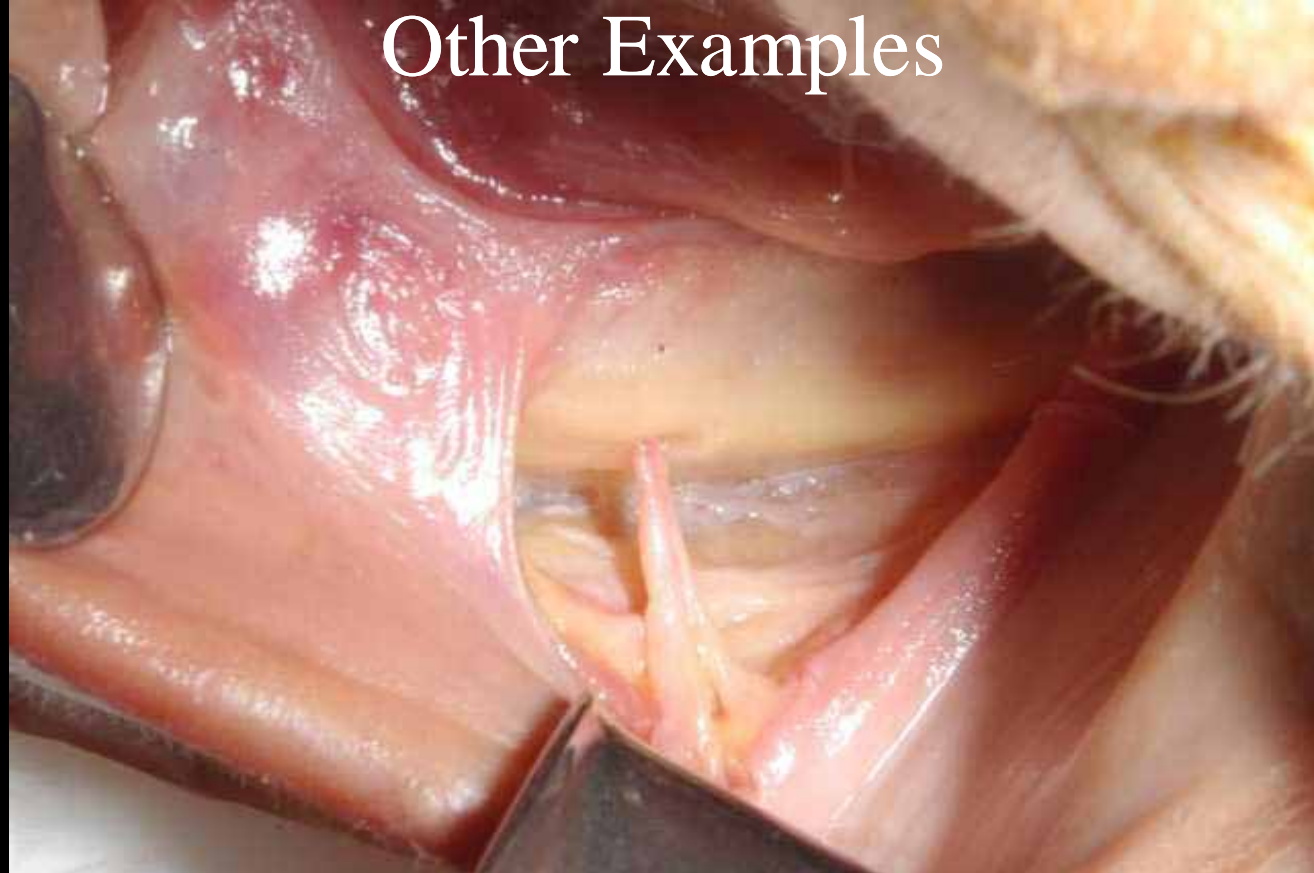
Other Examples



Menu



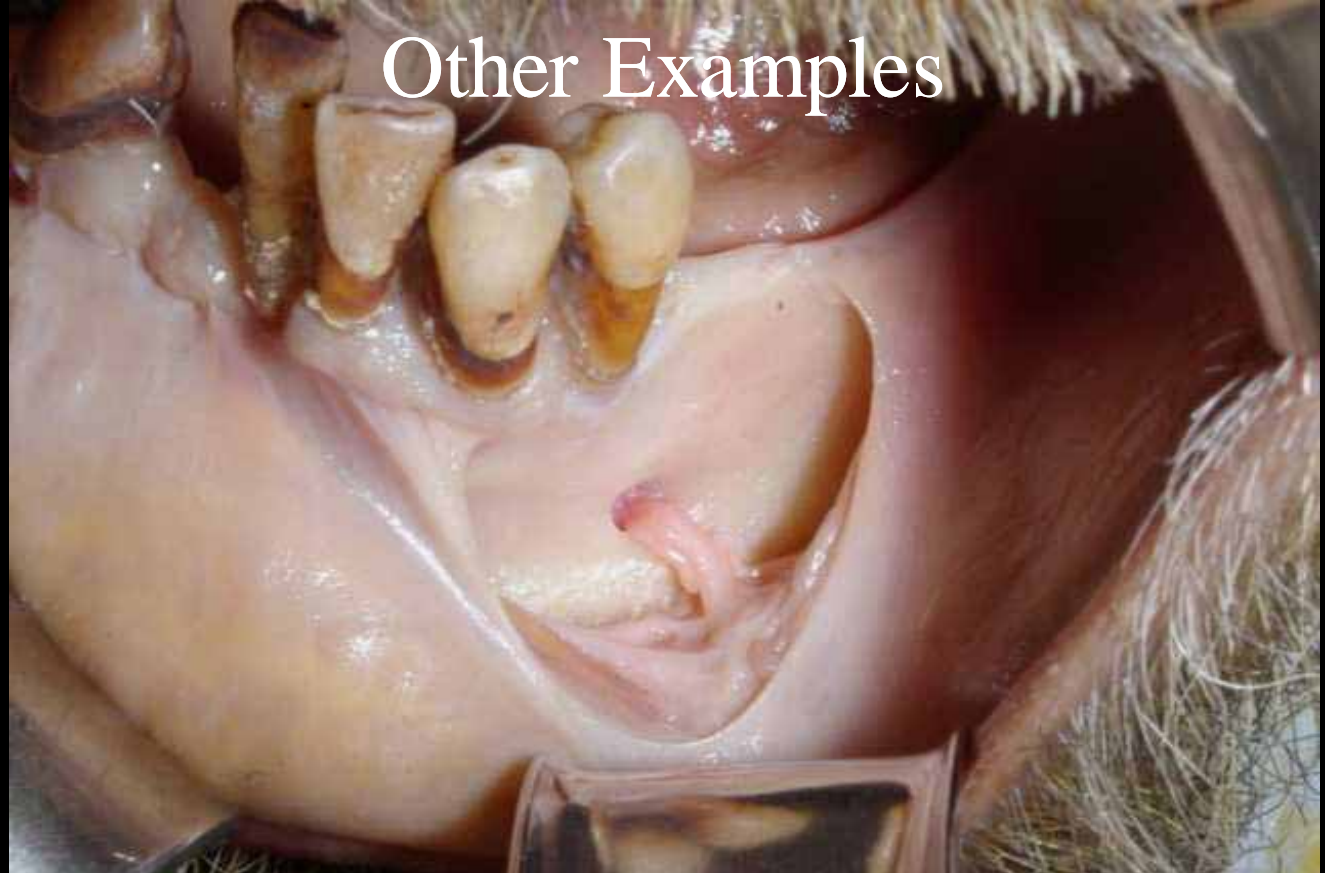
Other Examples



Menu



Other Examples



Menu



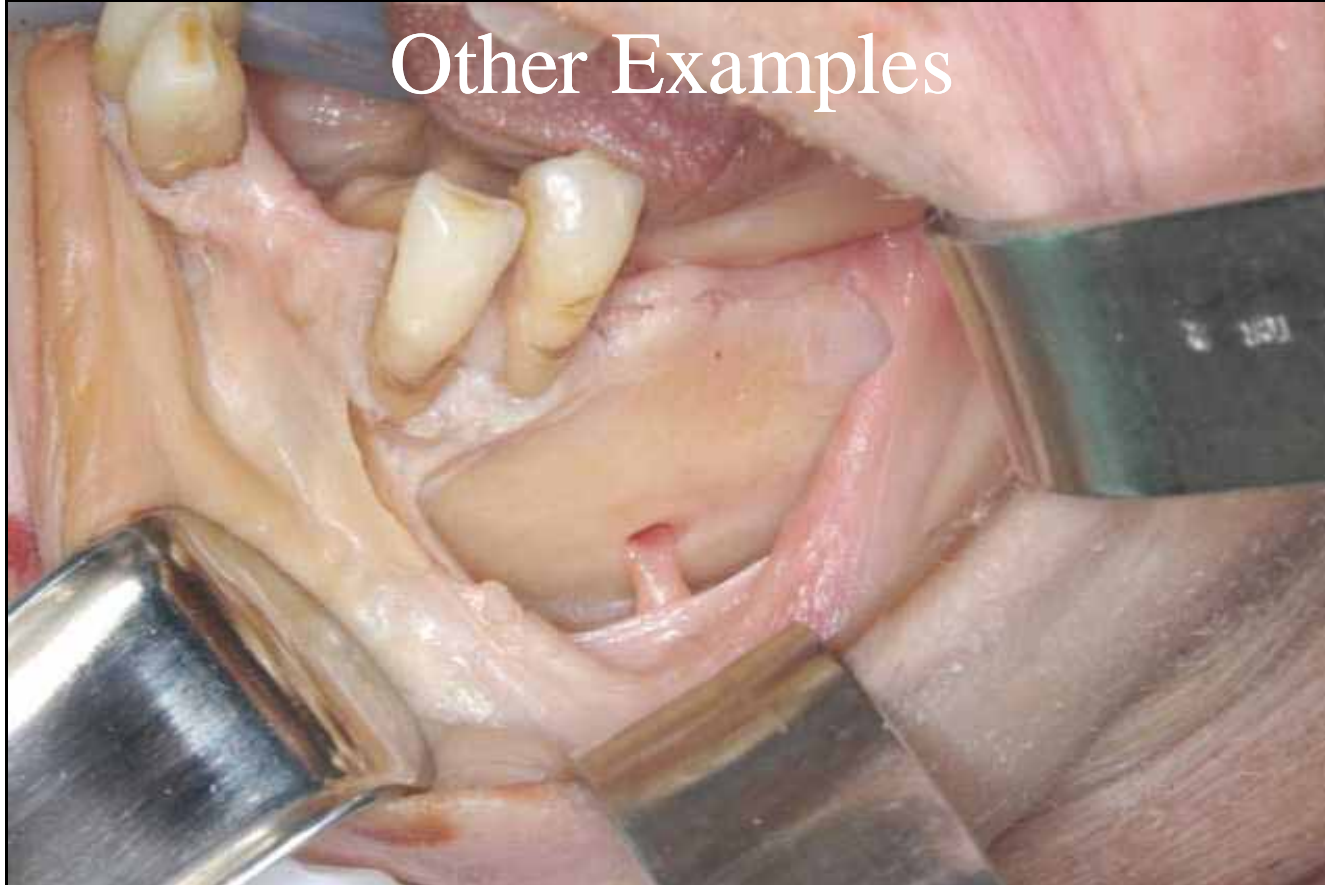
Other Examples



Menu



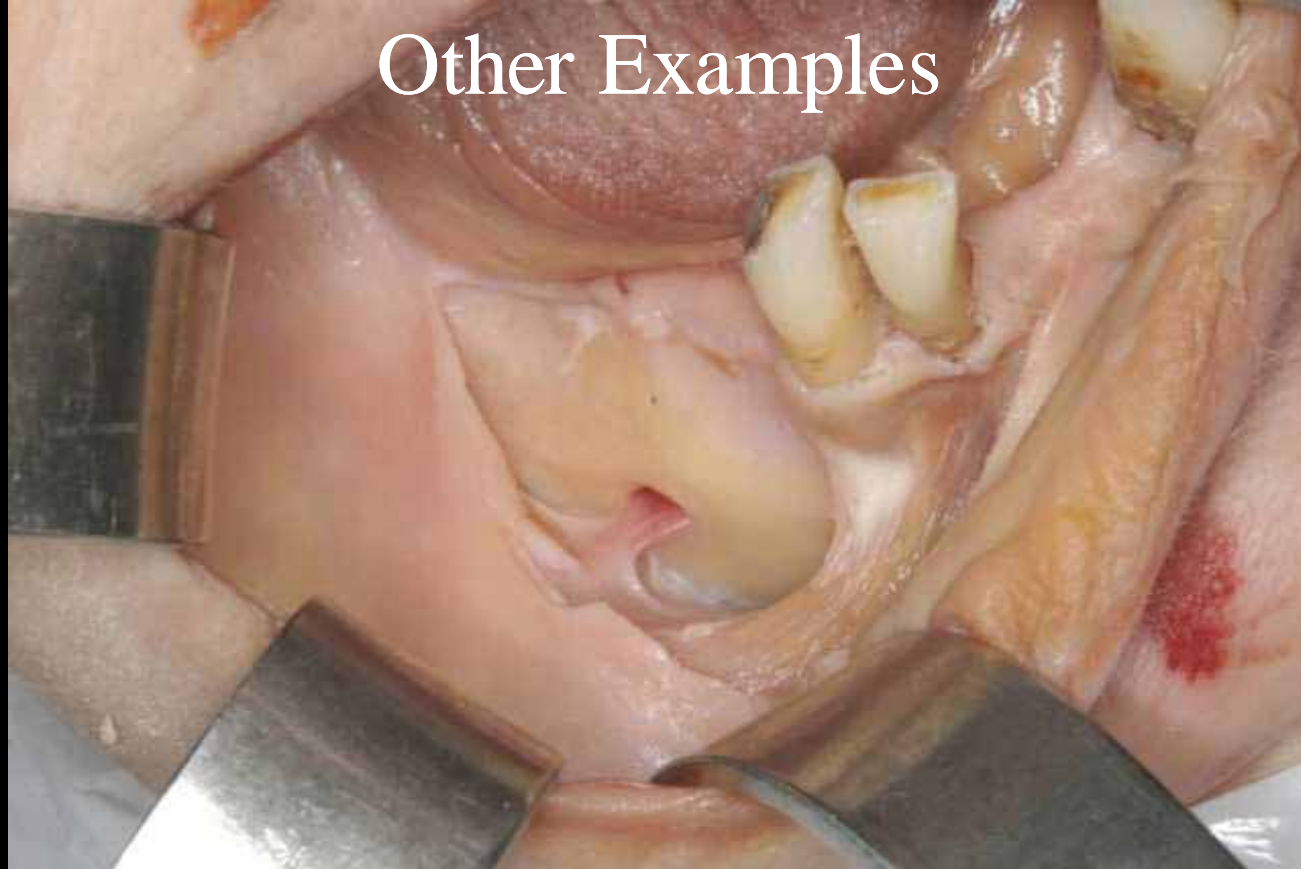
Other Examples



Menu



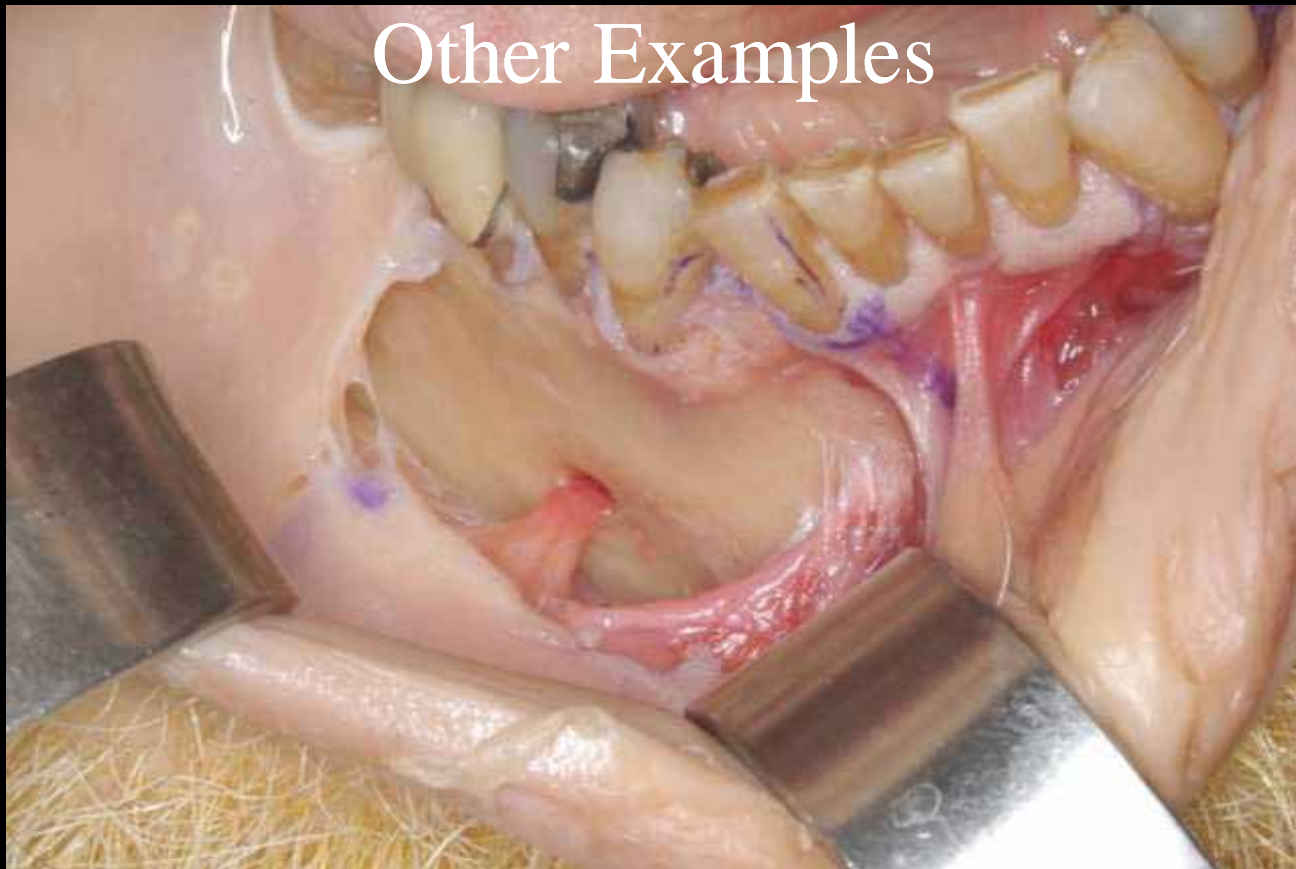
Other Examples



Menu



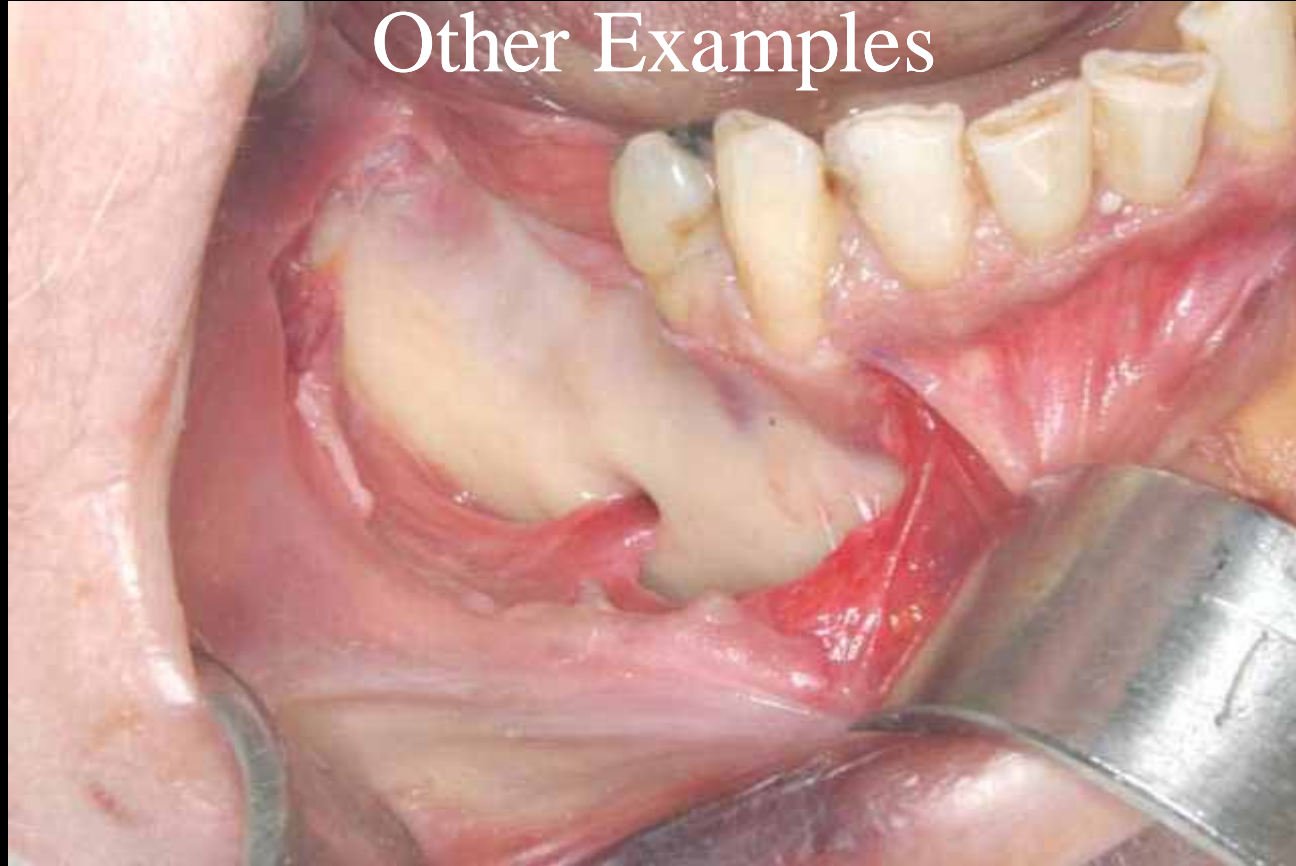
Other Examples



Menu



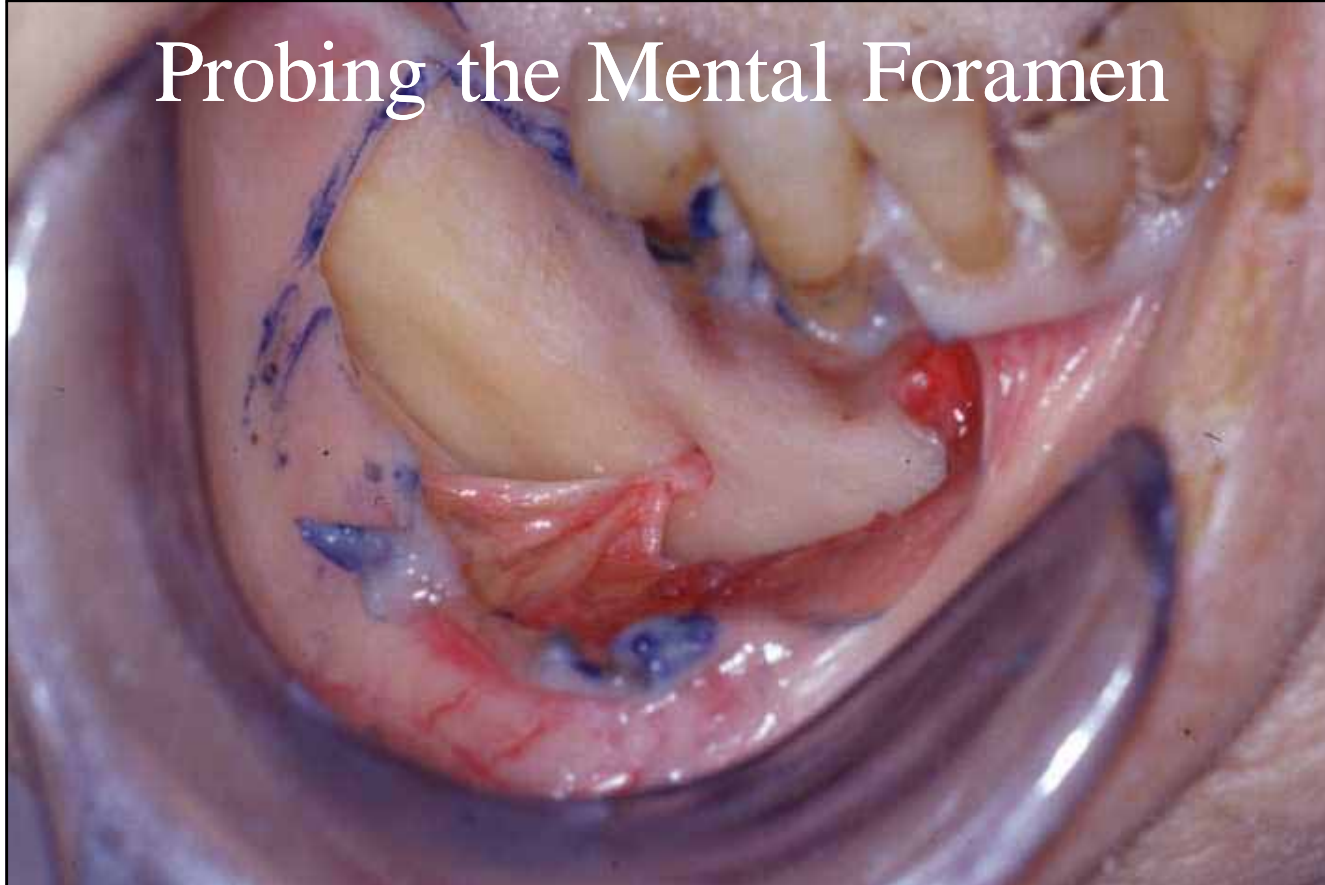
Other Examples



Menu



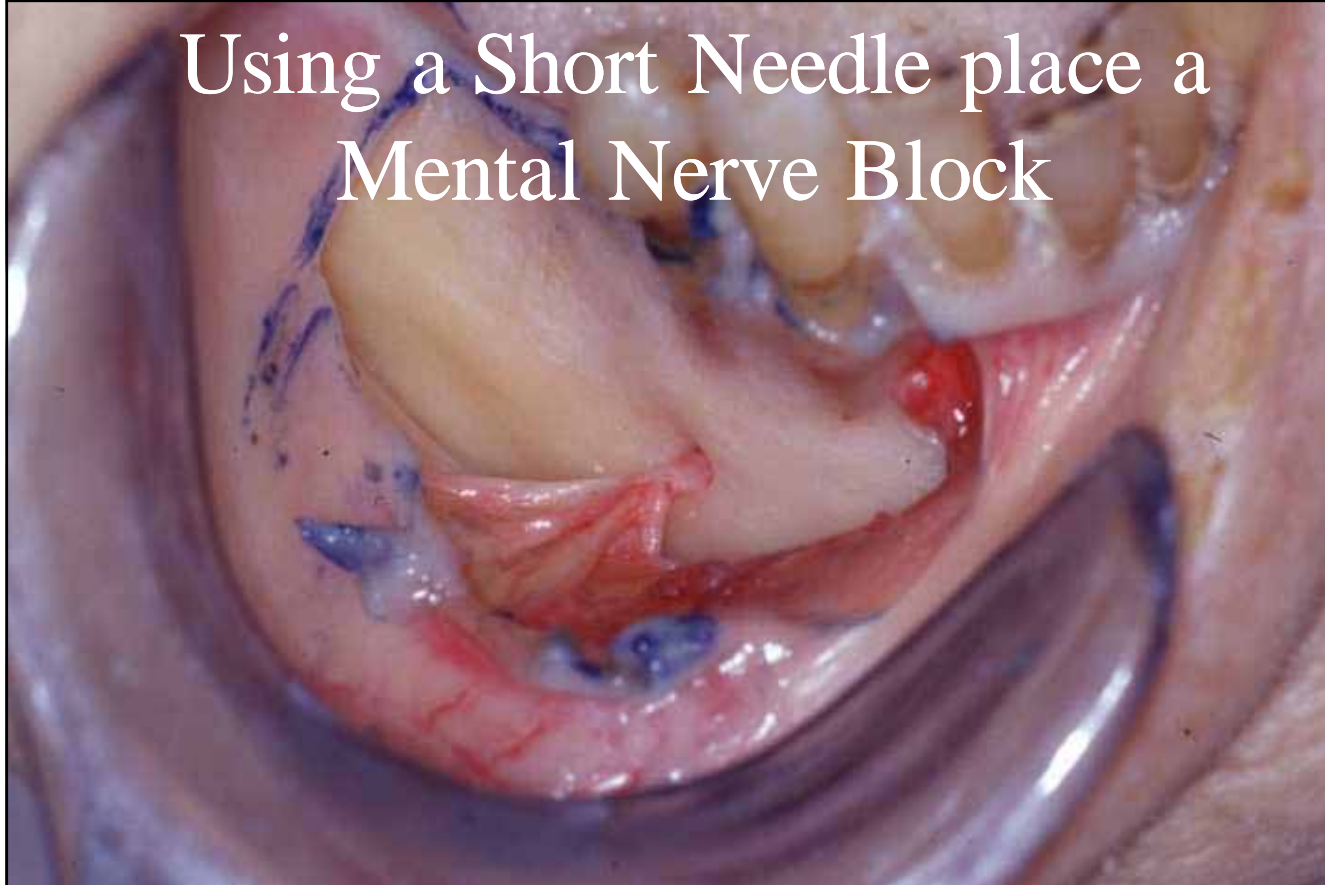
Probing the Mental Foramen



Menu

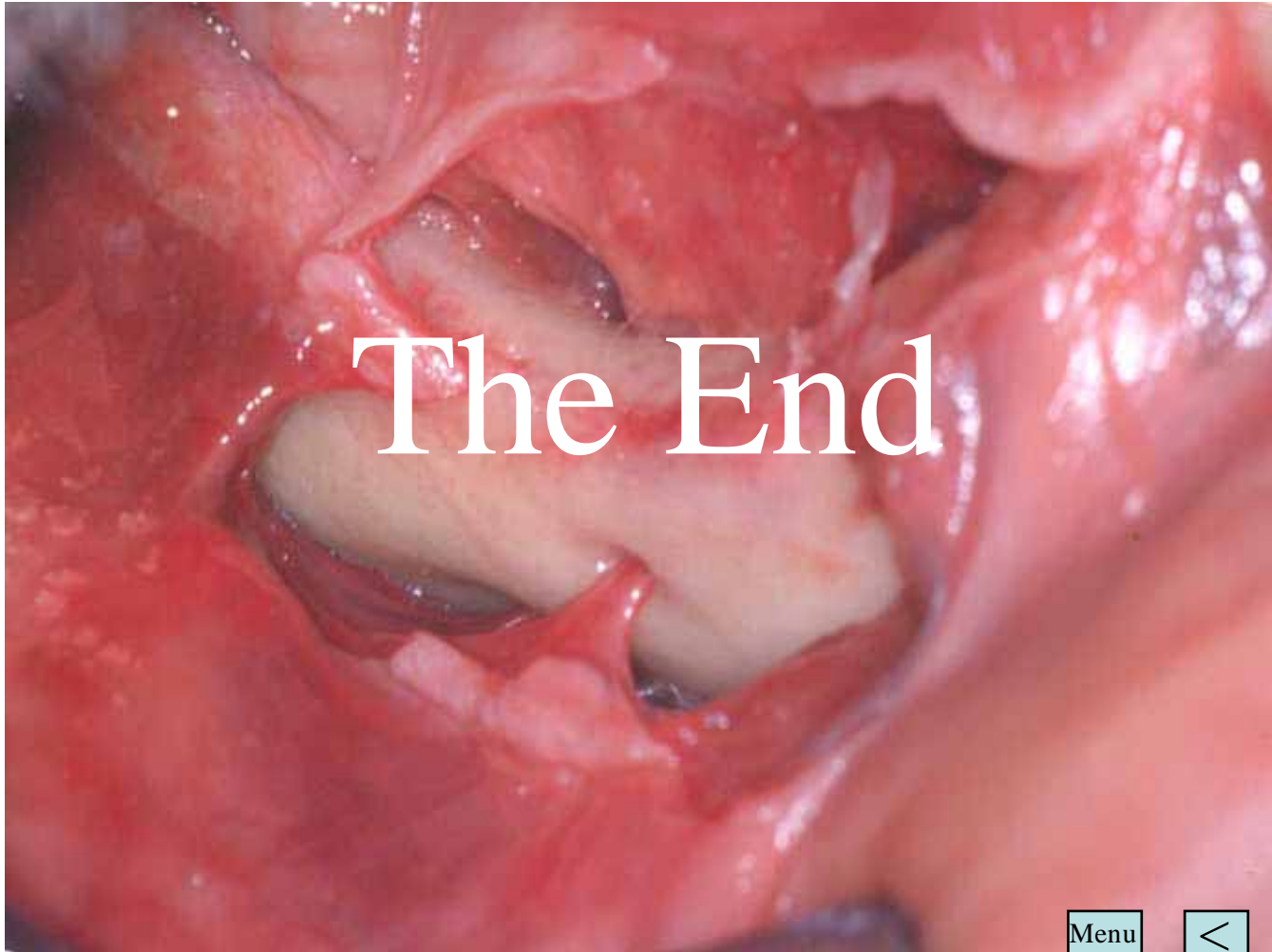


Using a Short Needle place a
Mental Nerve Block



Menu





The End

Menu

