

ORAL

**PIGMENTATIO
N**

Solitary

COLOR

FOCAL

DIFFUSE

MULTIFOCAL

Blue/
Purple

Varix
Hemangioma

Hemangioma

Kaposi's sarcoma
H H T

Brown

Melanotic macule
Nevus
Melanoma

Ecchymosis
Melanoma
Drug induced
Hairy Tongue

Solitary

COLOR

FOCAL

DIFFUSE

MULTIFOCAL

Gray/

Amalgam tatoo

Amalgam tatoo

Black

Graphite tatoo

Melanoma

Nevus

Hairy tongue

Melanoma

Endogenous Pigmentation in oral Mucosal Disease

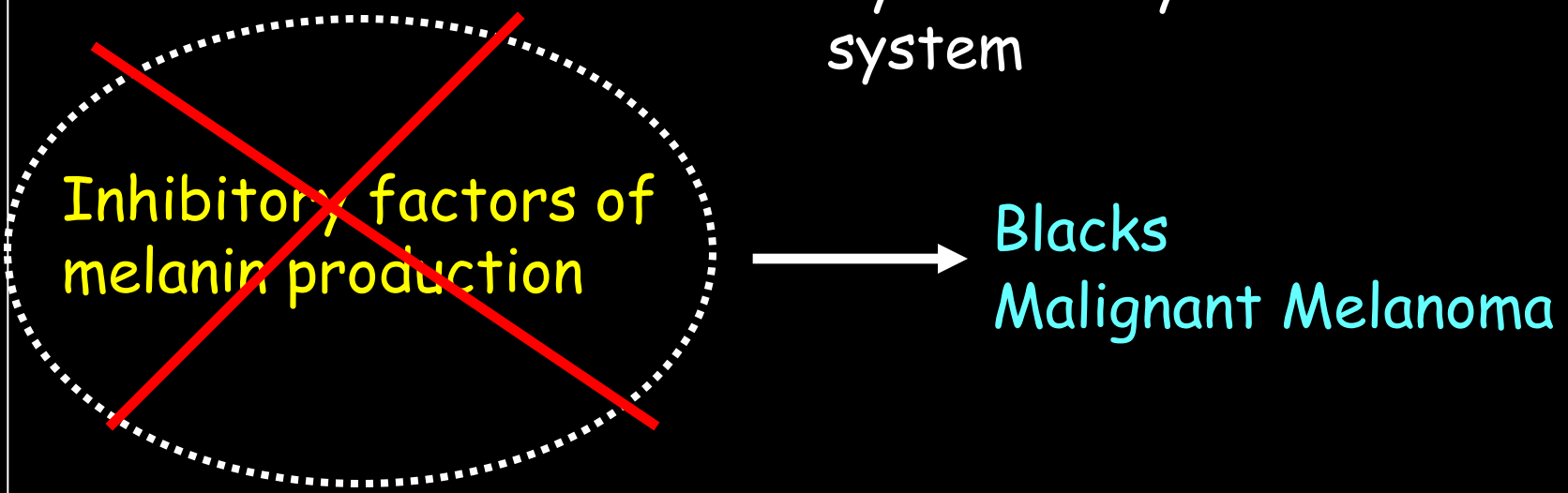
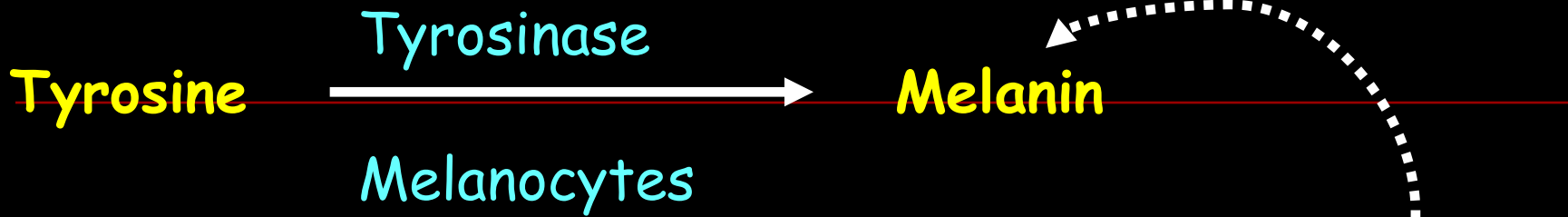
<u>Pigment</u>	<u>Color</u>	<u>Disease process</u>
Hemoglobin	Blue, red, purple	Varix Hemangioma Kaposi;s sarcoma Angiosarcoma H H T
Hemosiderin	Brown	Ecchymosis Petechiae Thrombosed varix Hemochromatosis

Endogenous Pigmentation in oral Mucosal Disease

<u>Pigment</u>	<u>Color</u>	<u>Disease process</u>
Melanin	Brown,black,gray	Melanotic macule Nevus Melanoma

Exogenous pigmentation of Oral Mucosa

Source	Color	Disease process
Silver amalgam	Gray, black	Tattoo Iatrogenic trauma
Graphite	Gray, black	Tattoo, trauma
Lead Mercury Bismuth	Gray	Ingestion of medicine or paint
Chromogenic bacteria	Black Brown Green	Superficial colonization



Solitary

COLOR

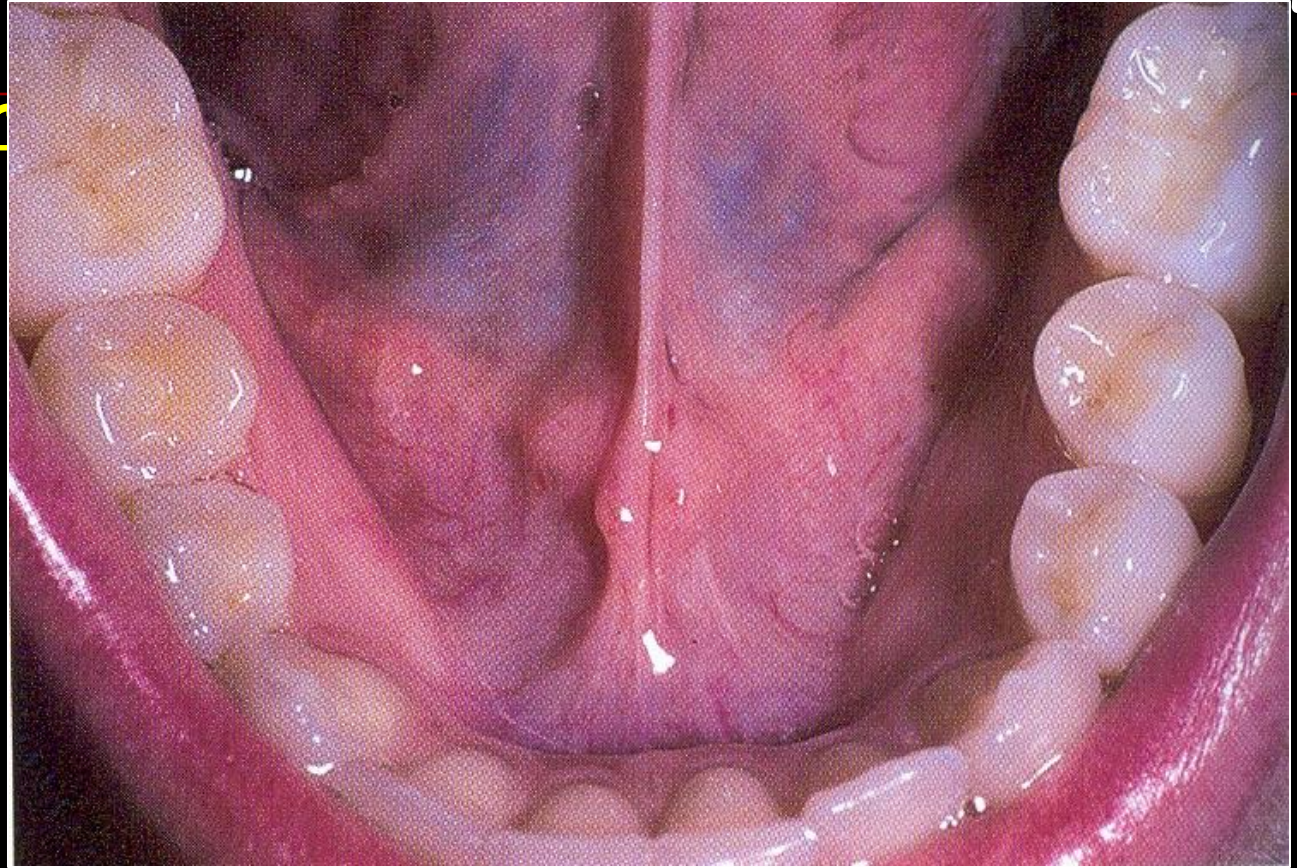
FOCAL

DIFFUSE

MULTIFOCAL

Blue/
Purple

Var



Solitary

COLOR

FOCAL

DIFFUSE

MULTIFOCAL

Blue/

Purple

Hemangioma

- Proliferations of vascular channels
- 85% of those arising in childhood regress
- Most- raised and nodular
- On skin- some may be flat, macular, diffuse called 'Port wine stain'
- Blanching under pressure
- I.O- tongue most common, lip sometimes

Solitary

COLOR

FOCAL

DIFFUSE

MULTIFOCAL

Blue/

Purple

Hemangioma

- Many involute spontaneously, hence Rx for children postponed
- Conventional surgery, laser surgery
cryosurgery
- Sclerosing agents

COL

Blue

Purp

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•Or

•Ev E

•Nodular lesions may become unsightly

•Interfere with mastication



IFOCAL

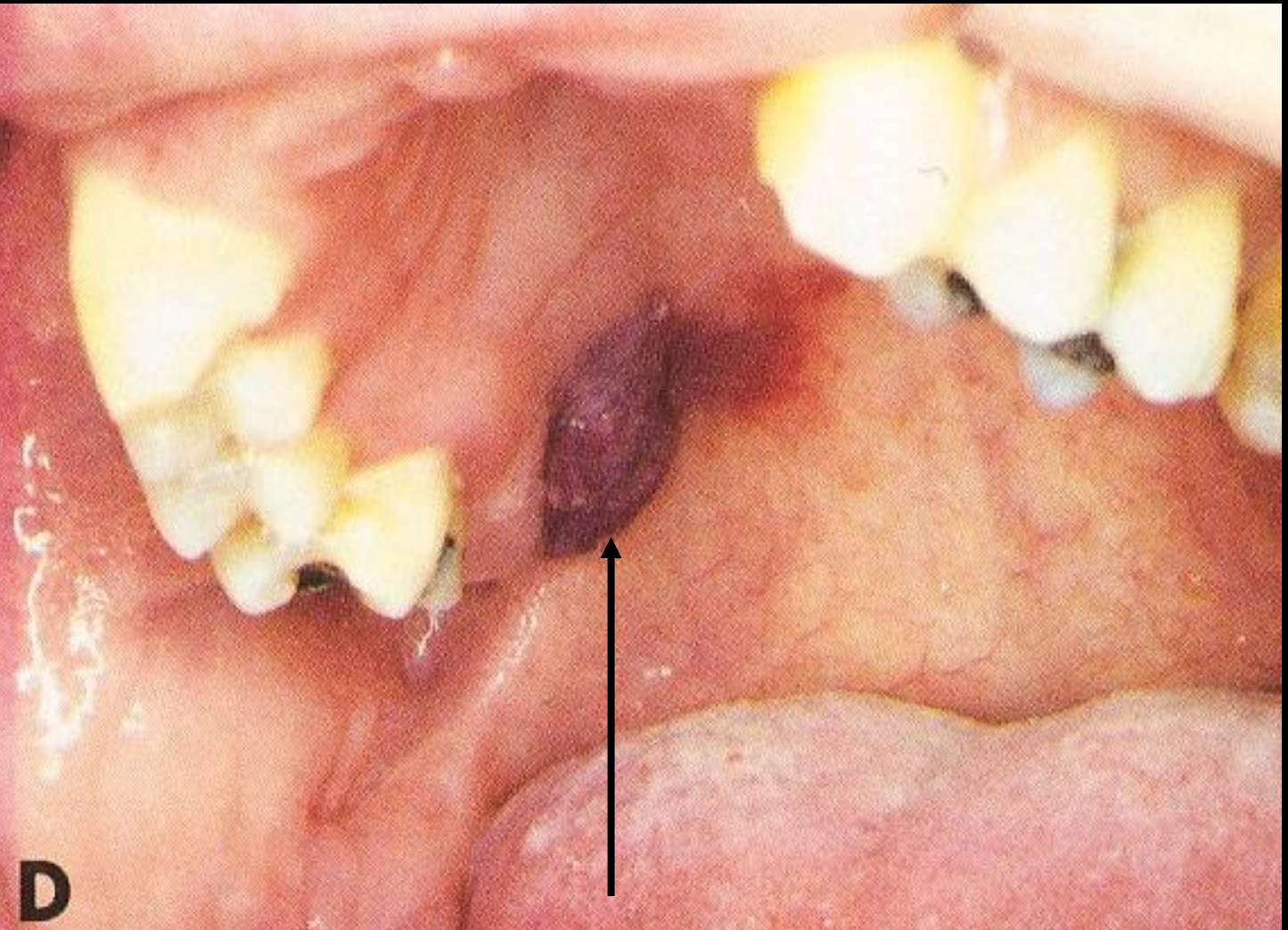
Solitary

COLOR

Blue/
Purple

- Cutar
- Enlar
- Oral
- Even
- Nodu
- Inter

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ps, tongue

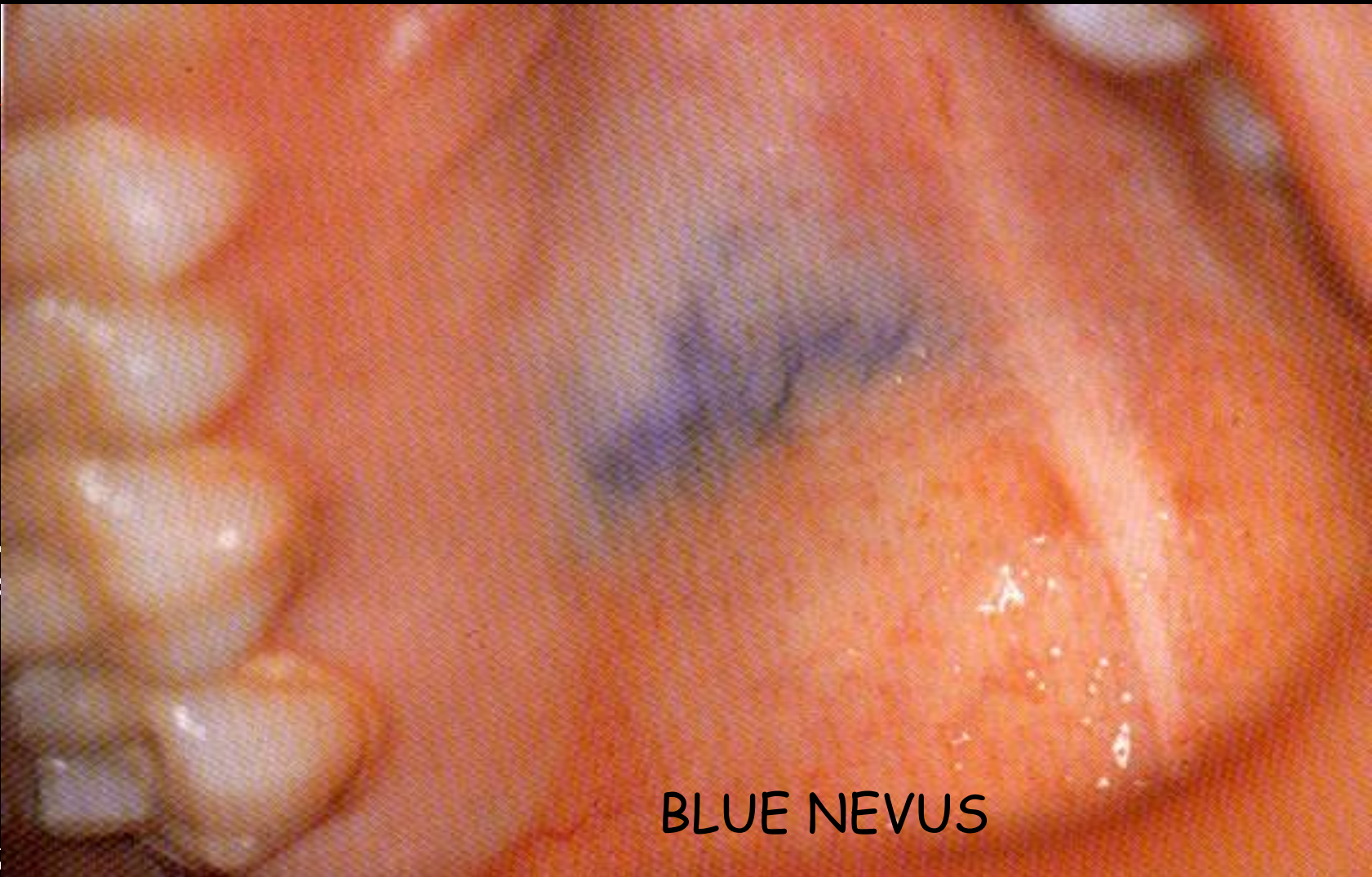
•Past H/O epistaxi



Melanotic Macule, Nevus, Melanoma

- ~~Skin - cutaneous freckle or ephelis, lower lip~~
- Intra-oral - melanotic macule
- Brown or black, oval to irregular shape
- Gingiva, palate, buccal mucosa

Nevi



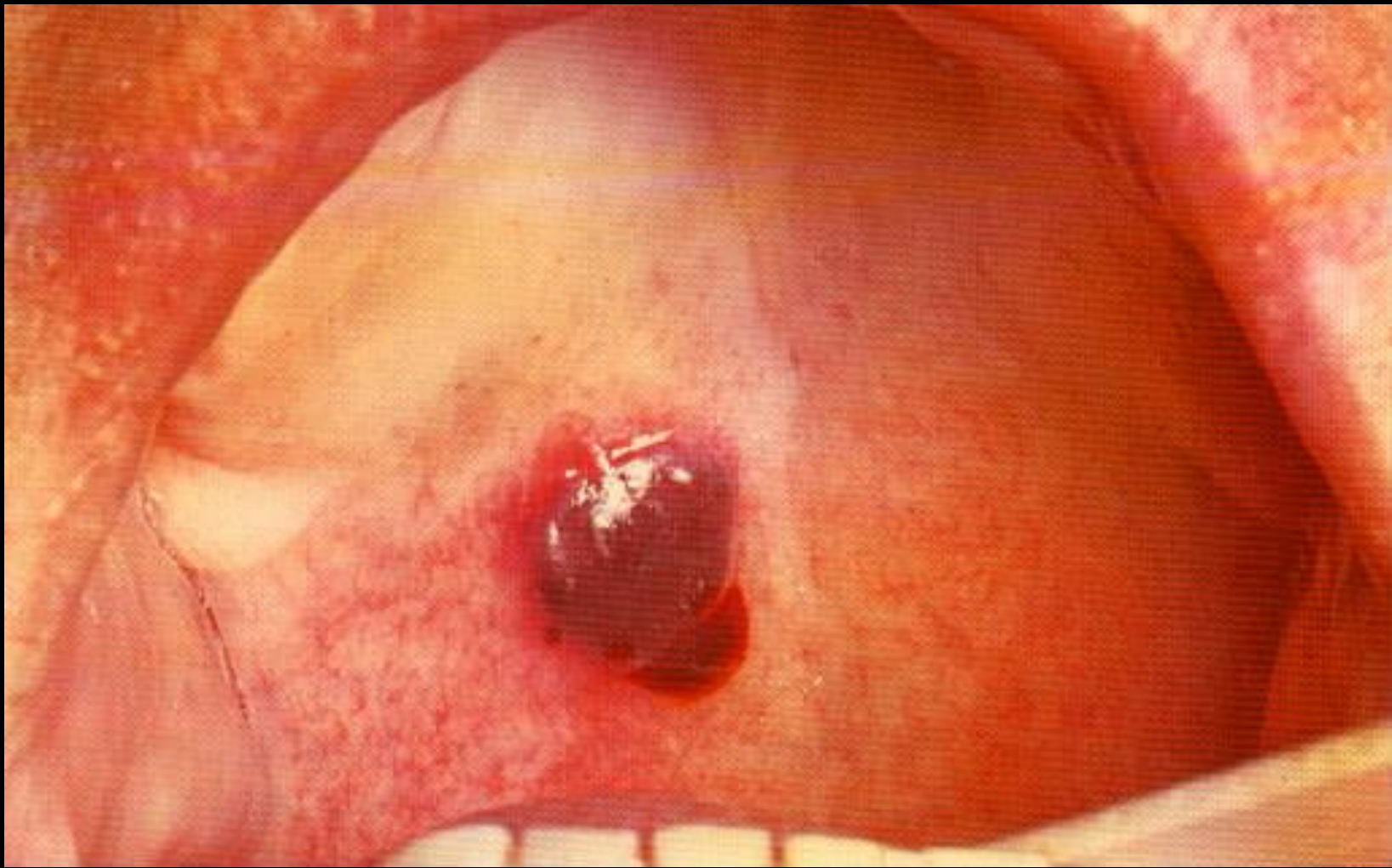
BLUE NEVUS

-
-
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-

*Rx- simple excision

MALIGNANT MELANOMA



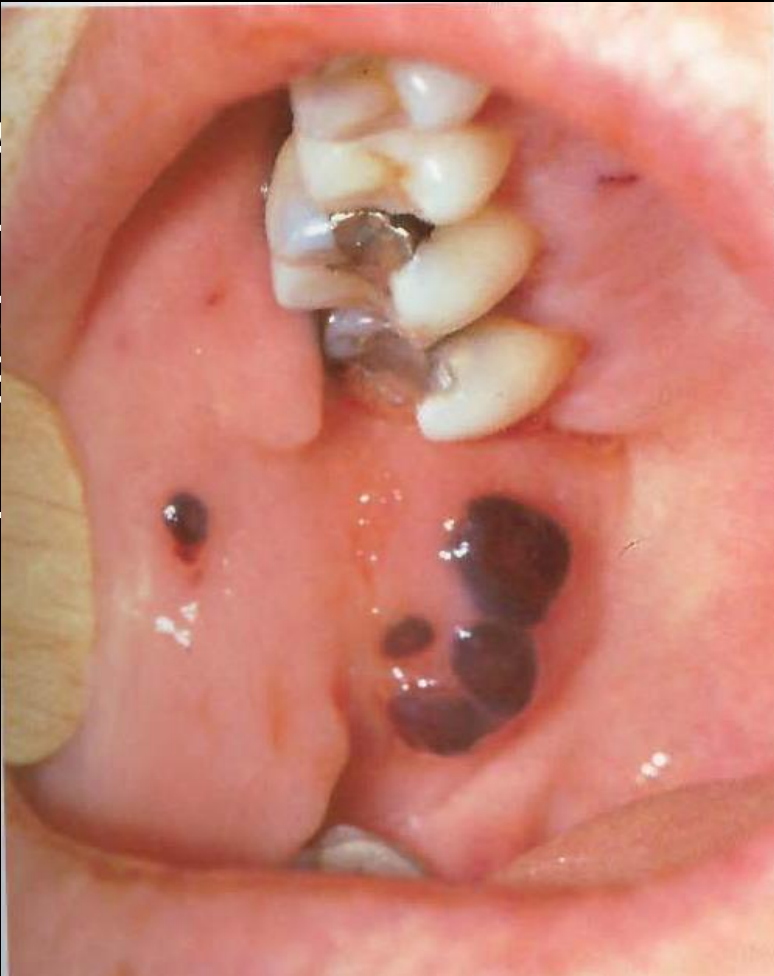


(Hemoglobin)

(Hemosiderin)

Pt on anticoagulant, coagulation disorders

Petechiae

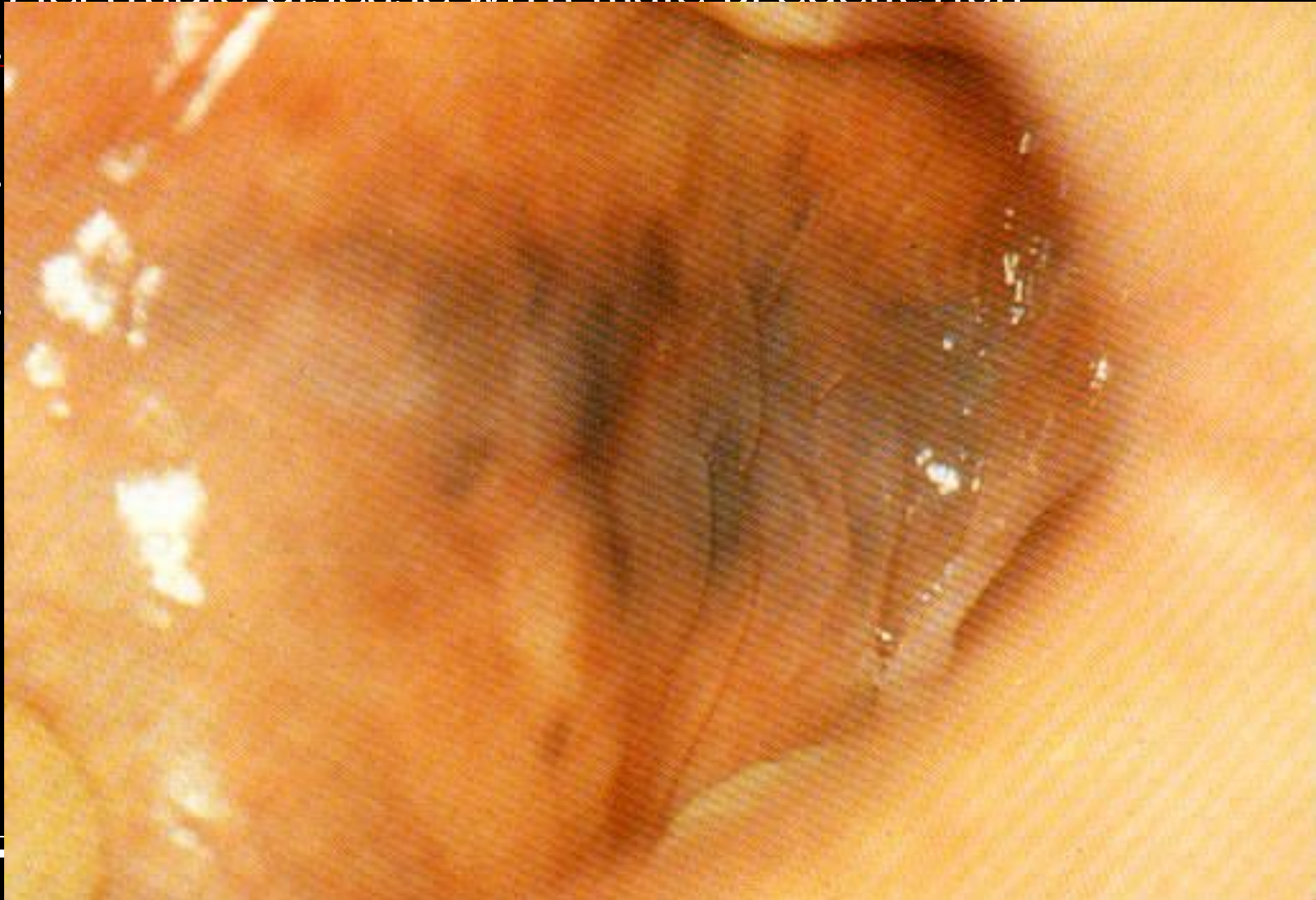


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Hemochromatosis

- Heritable disease with male predilection



Drug induced melanosis

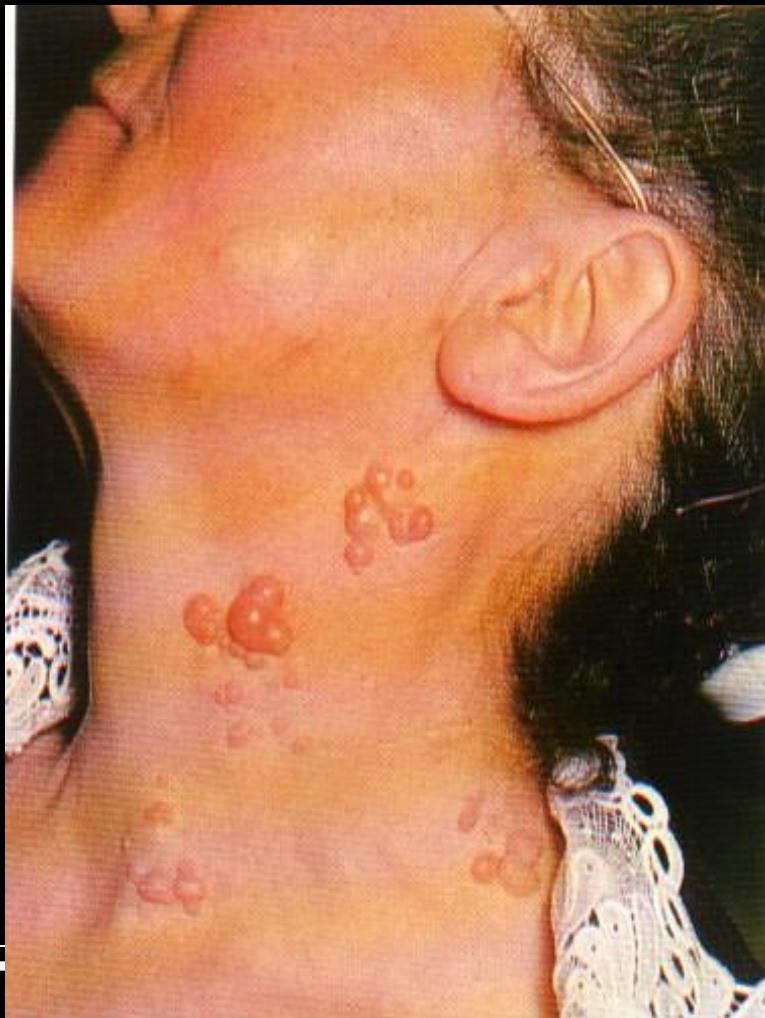


Hairy Tongue



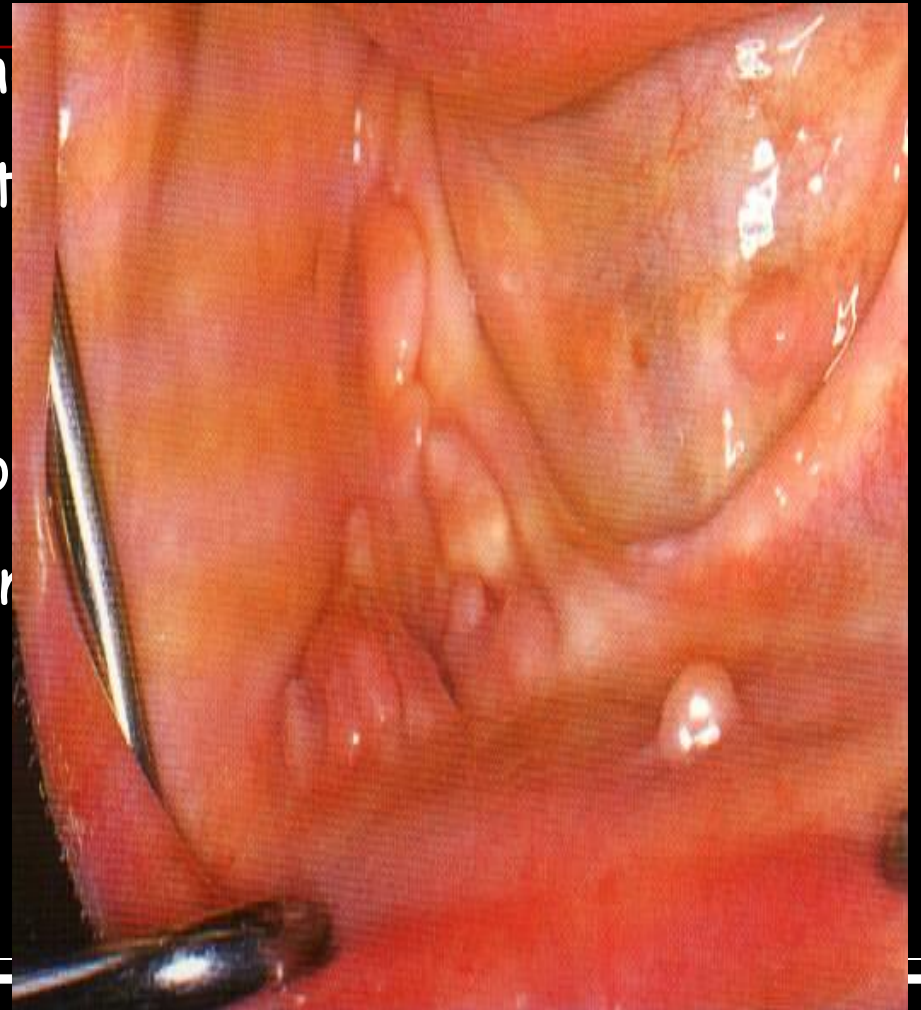
Physiologic

- Racial pigmentation



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Physiologic

- Racial pigmentation



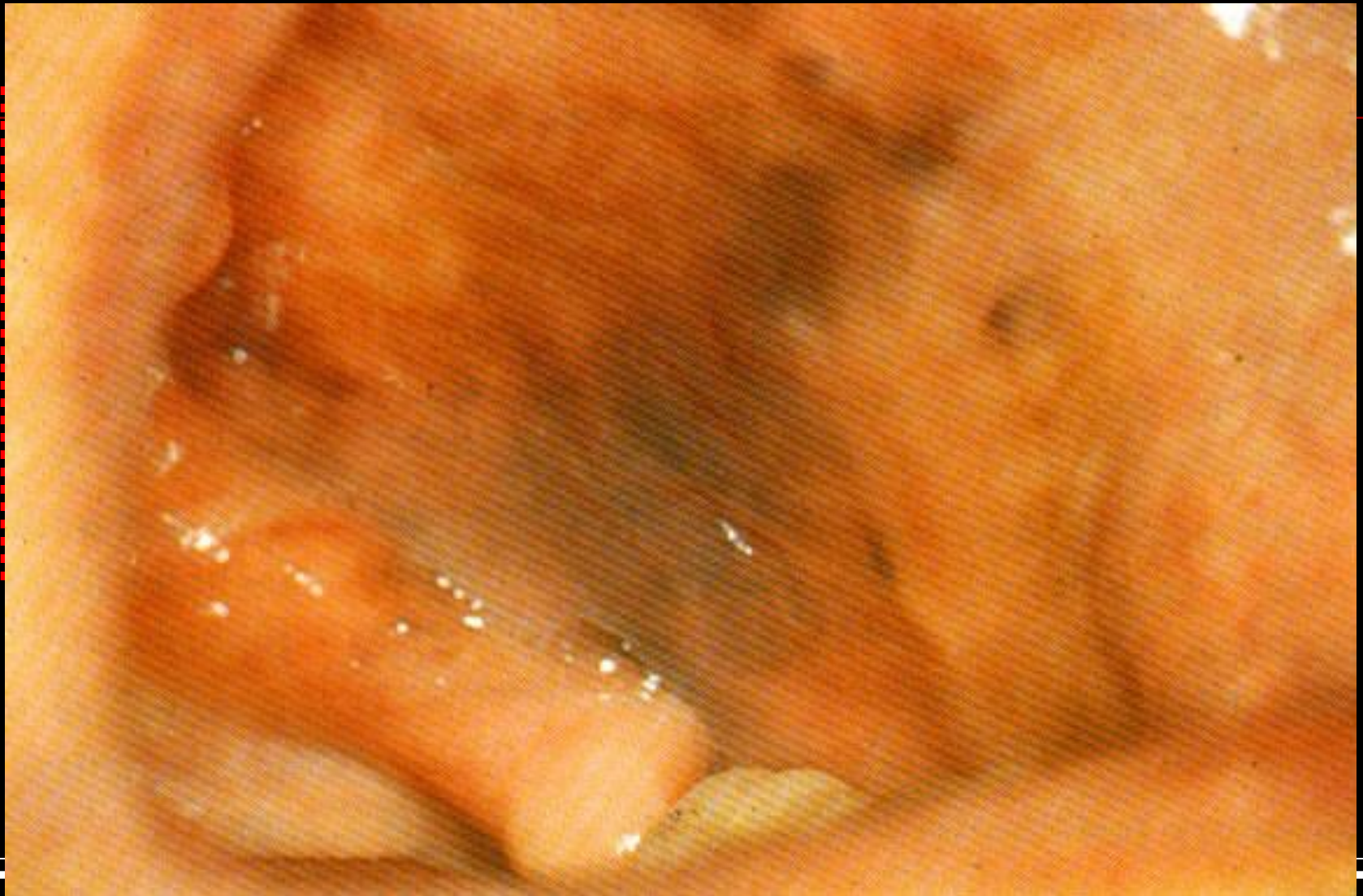
Lichen Planus

Reticu
a red
by dif



Endocrinopathic Pigmentation

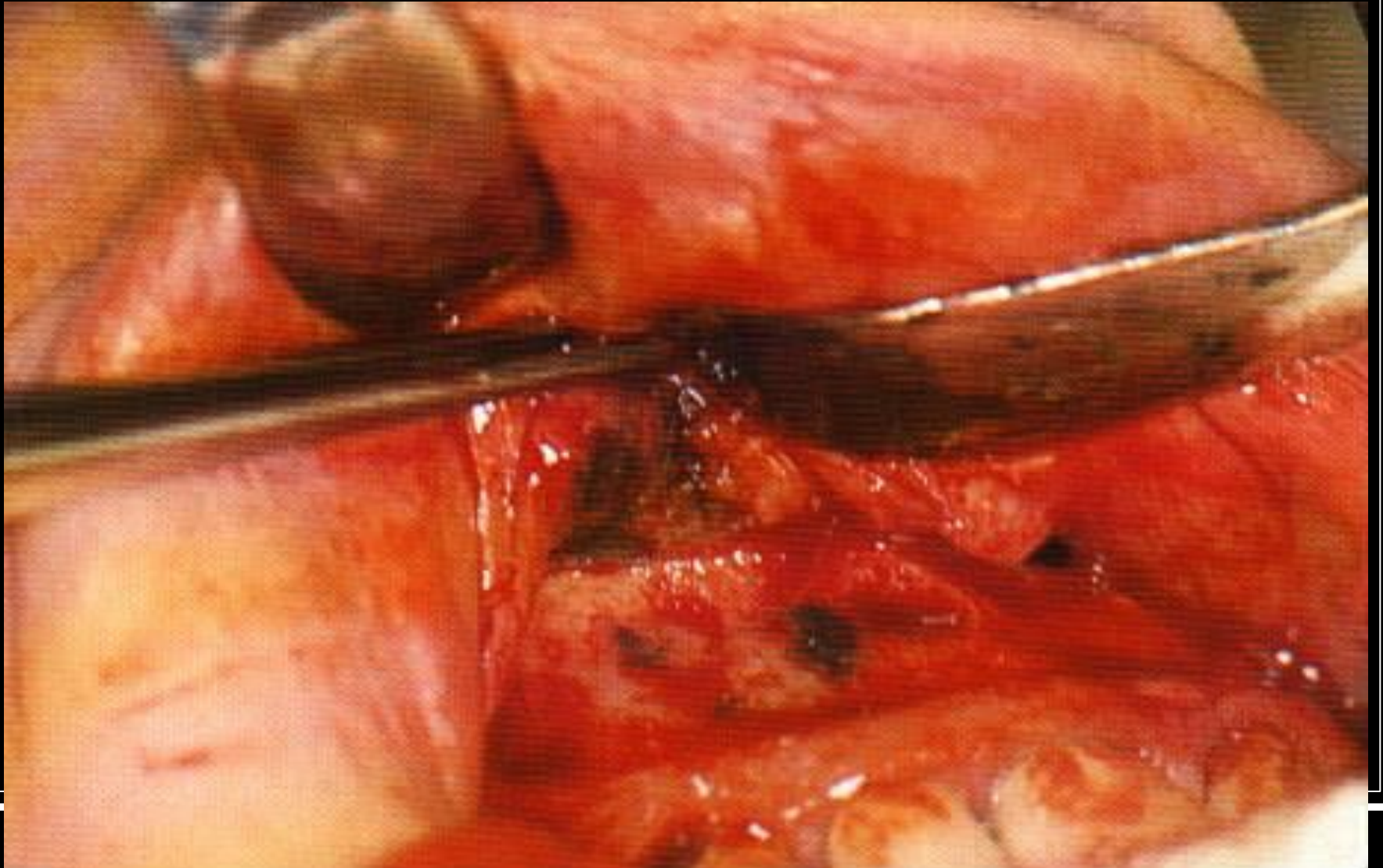
• Addison's Disease



Peutz - jegher's syndrome



Amalgam tattoo



Graphite Tattoo

- Traumatic implantation from lead pencil
- Macular, focal, black or gray
- Radiograph- similar to amalgam

Heavy Metal Ingestion

• Bismuth

Sufficient quantity OP

