Video-Endoscopia, Radiologia e Citologia

del distretto

Rino-Sinuso-Faringeo

Attilio Varricchio

U.O.S.D.

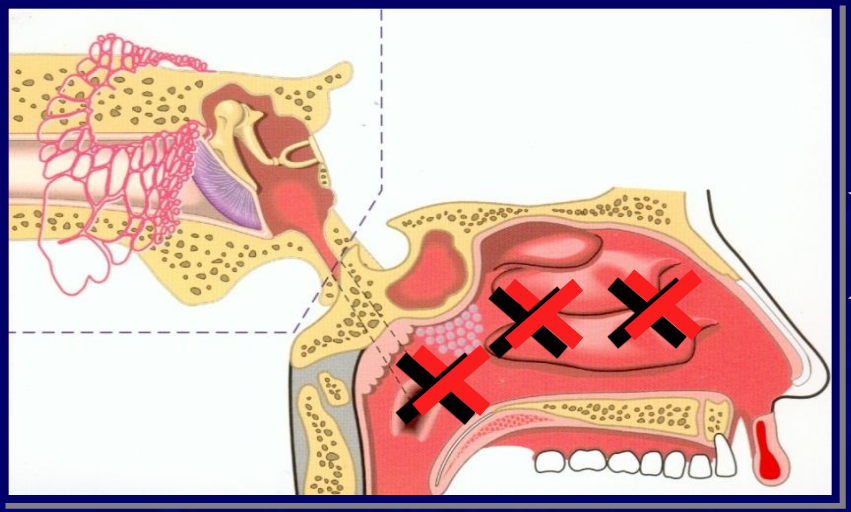
Video-Endoscopia

Diagnostica e Chirurgica delle VAS

ASL-NA1 Centro

Se nelle " 3 Centraline "

Si bloccano VENTILAZIONE e CLEARANCE



Il NASO si

CONGESTIONA *

INFIAMMA*

INFETTA*

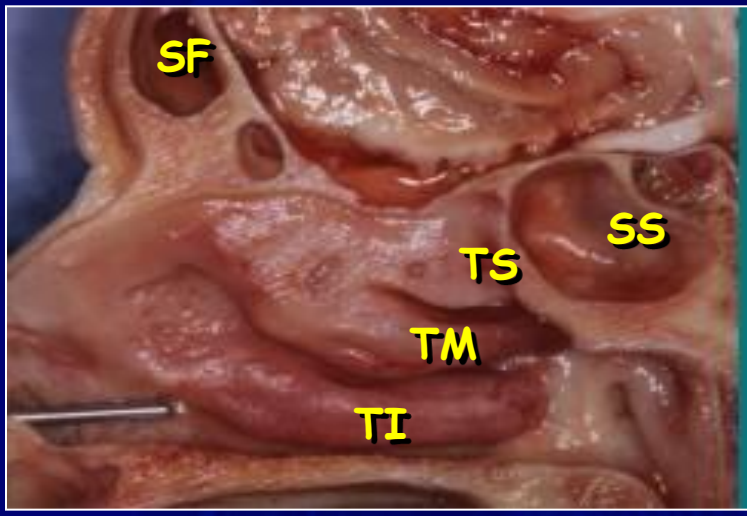
*Itzhak Brook et al.Laryngoscope,2004

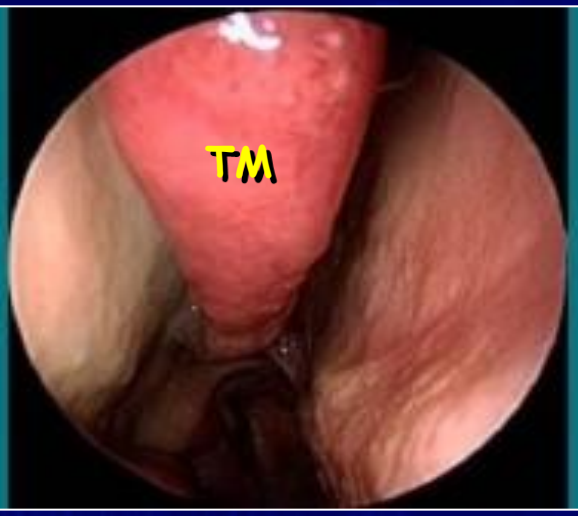
Buona Conoscenza Anatomica

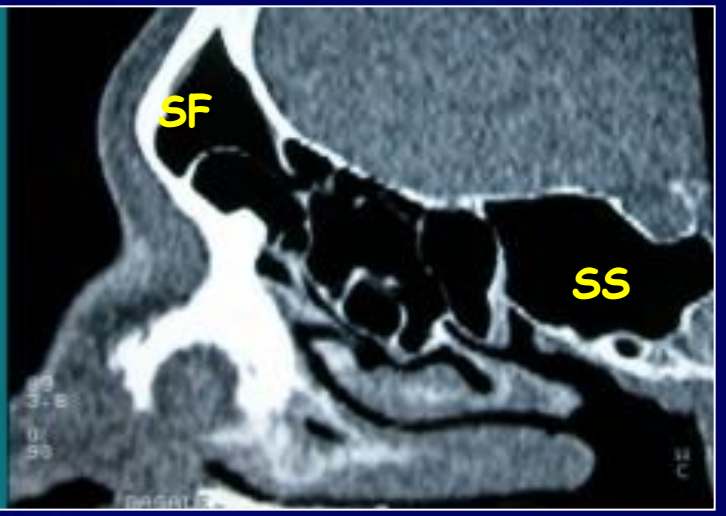
Macroscopica

Endoscopica

Radiologica





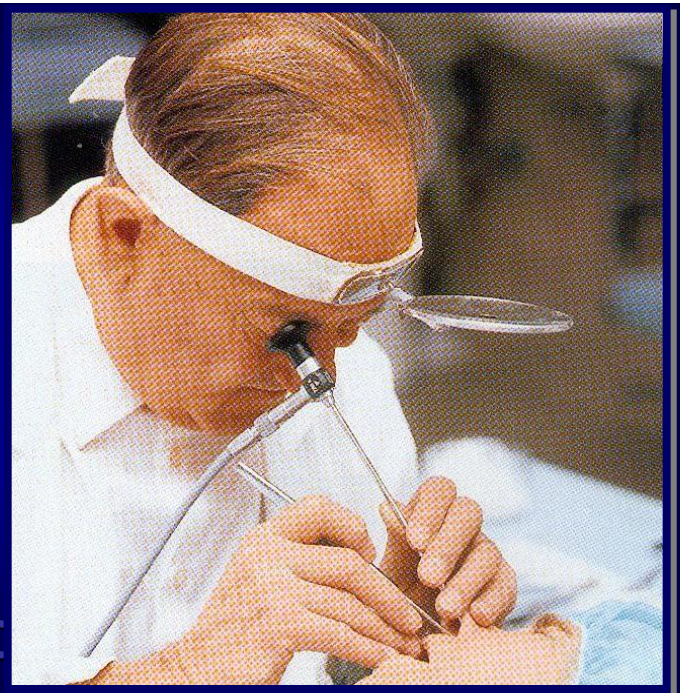


DISTRETTO RINO-SINUSO-FARINGEO

DIAGNOSI

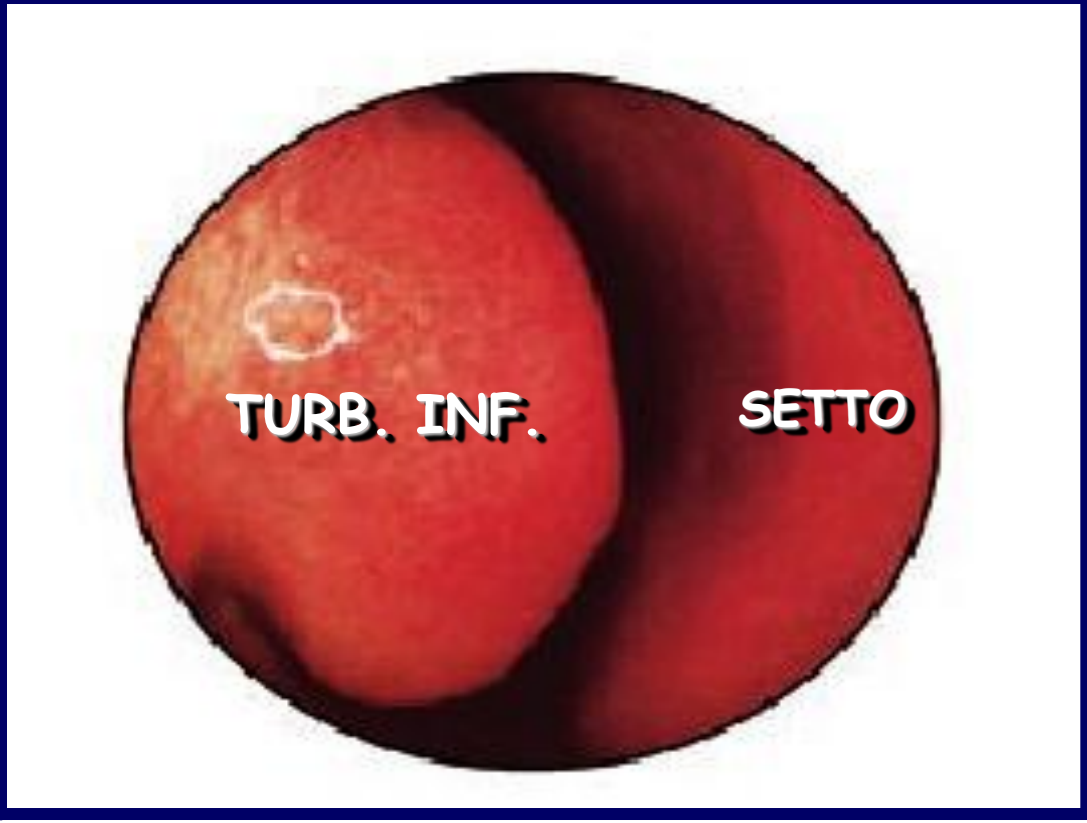
MODERNO APPROCCIO DIAGNOSTICO alle V.A.S.

- ESAME FIBRO-ENDOSCOPICO
- TAMPONE ESSUDATO V.A.S.
- CITOLOGIA NASALE
- TRASPORTO MUCO-CILIARE
- TESTS ALLERGOMETRICI
- STUDIO RESISTENZE AL FLUSSO AEREO
- DIAGNOSTICA RADIOLOGICA PER IMMAGINI

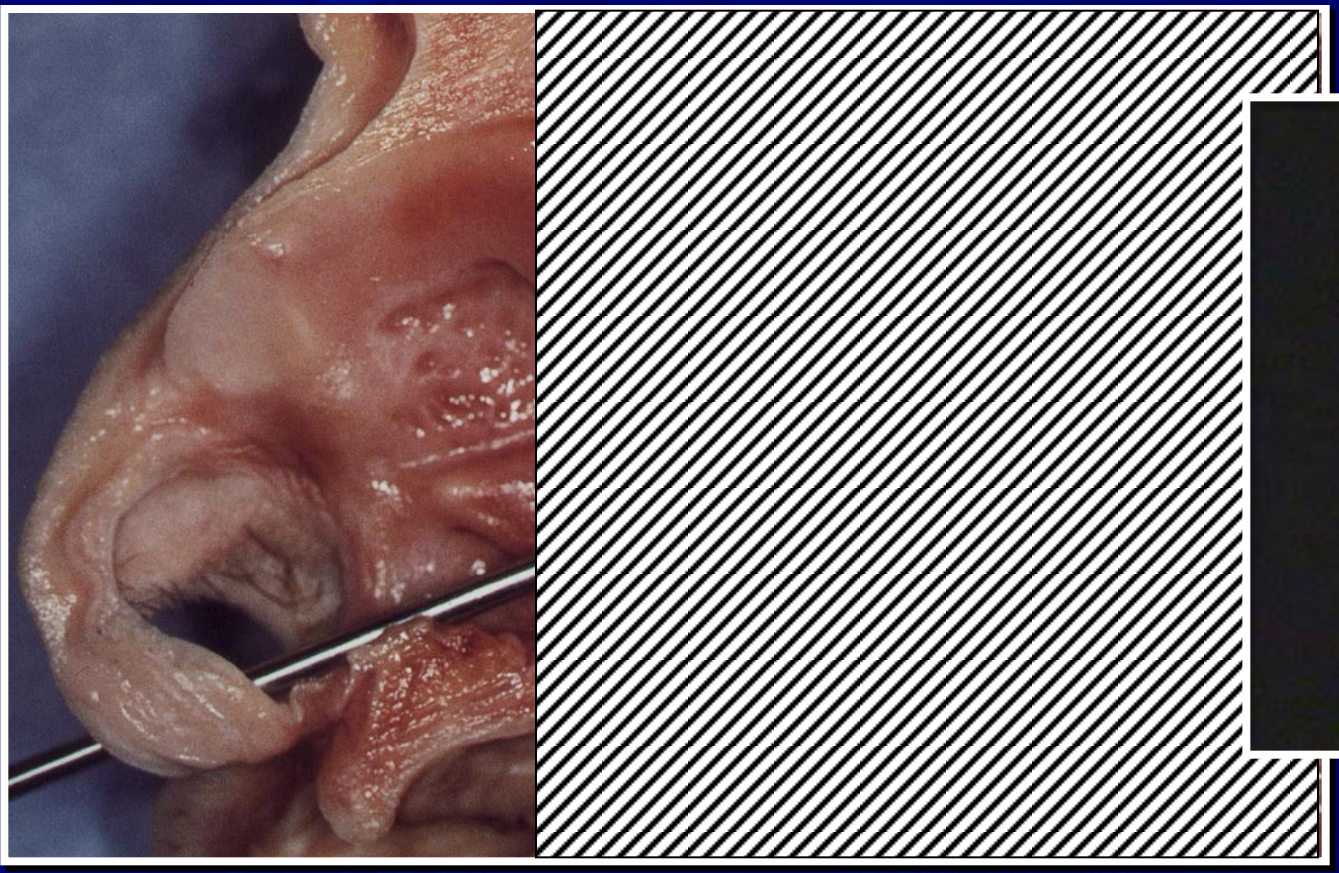


Messerklinger

Semeiotica Rinologica TRADIZIONALE

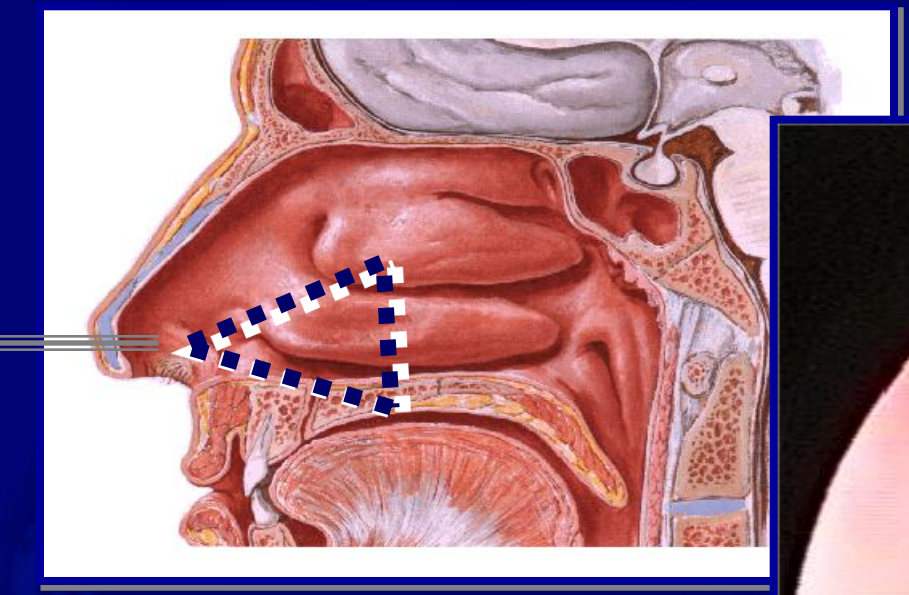


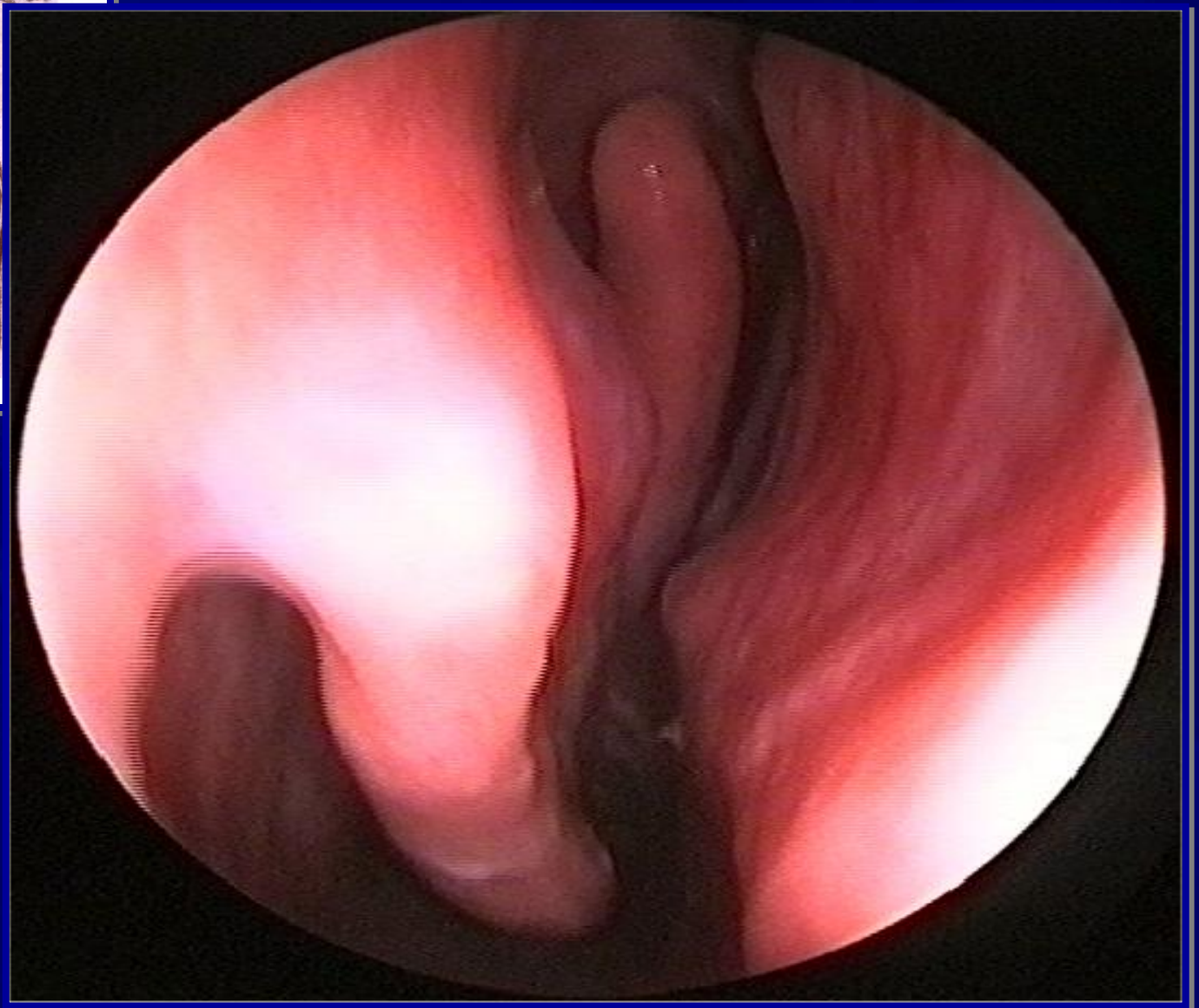
Semeiotica Rinologica TRADIZIONALE



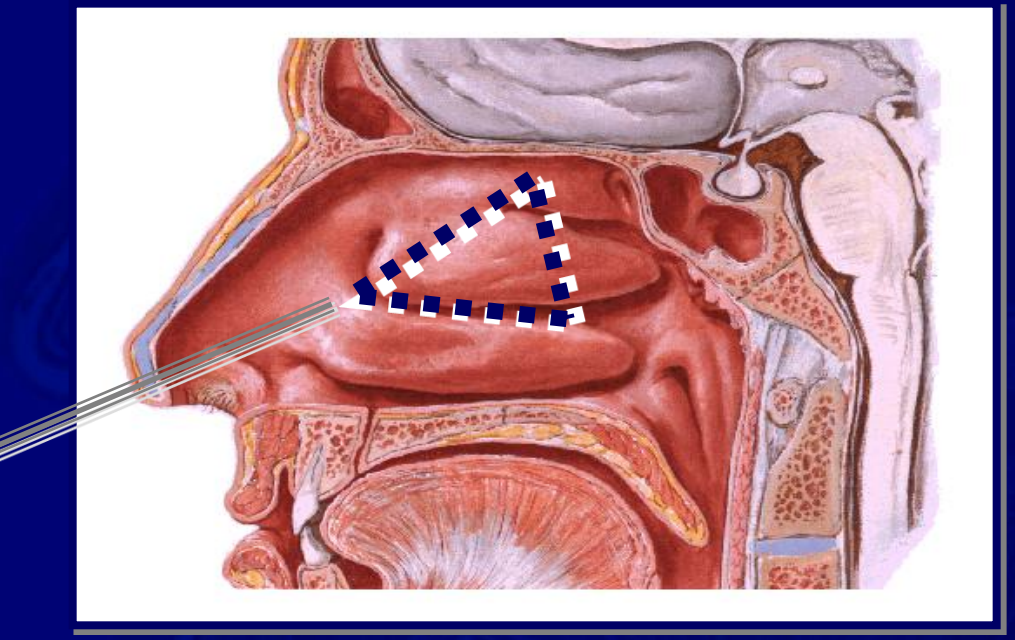
FIBRO-ENDOSCOPIA delle V.A.S.

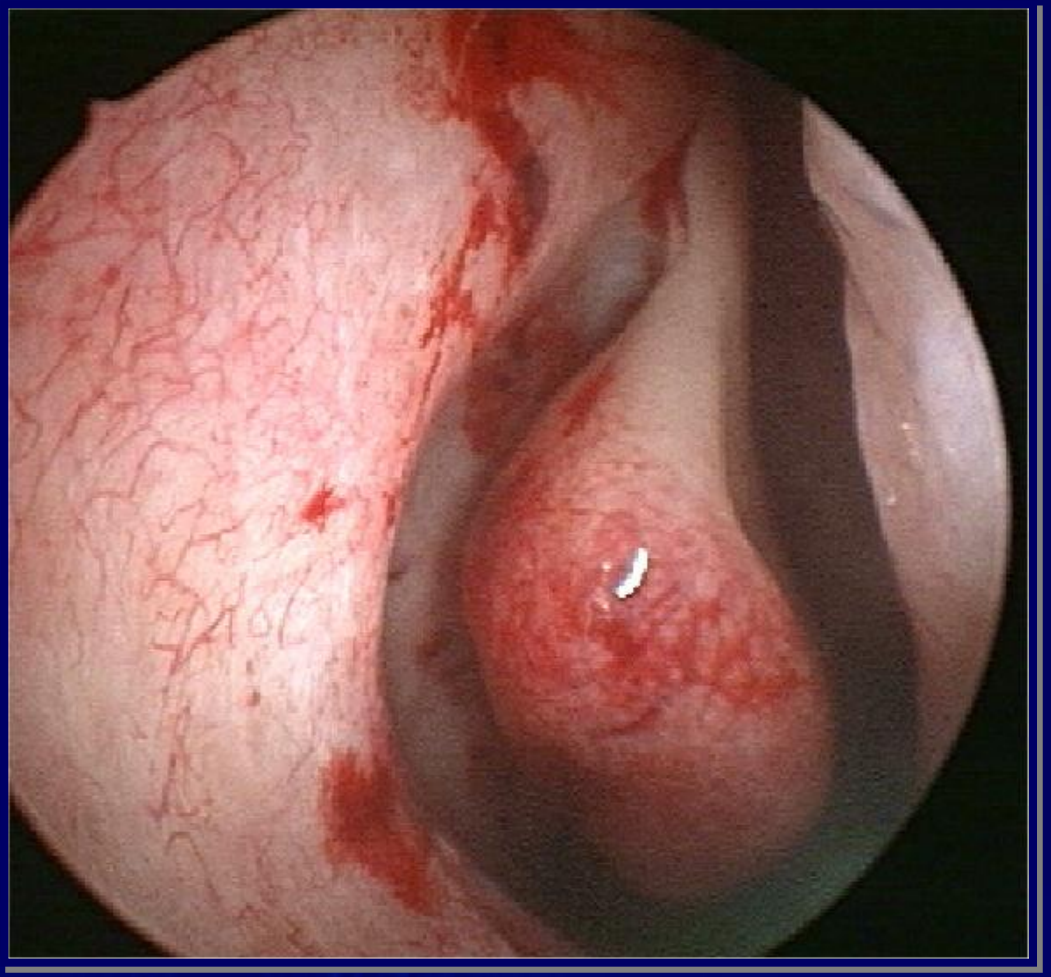
Fibro-endoscopia: Vestibolo Nasale



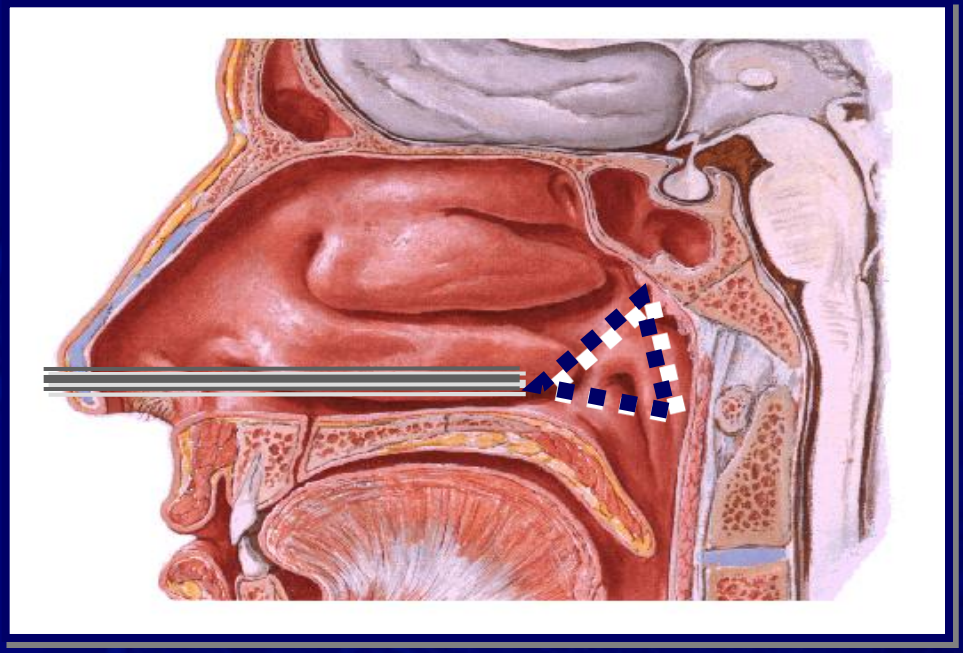


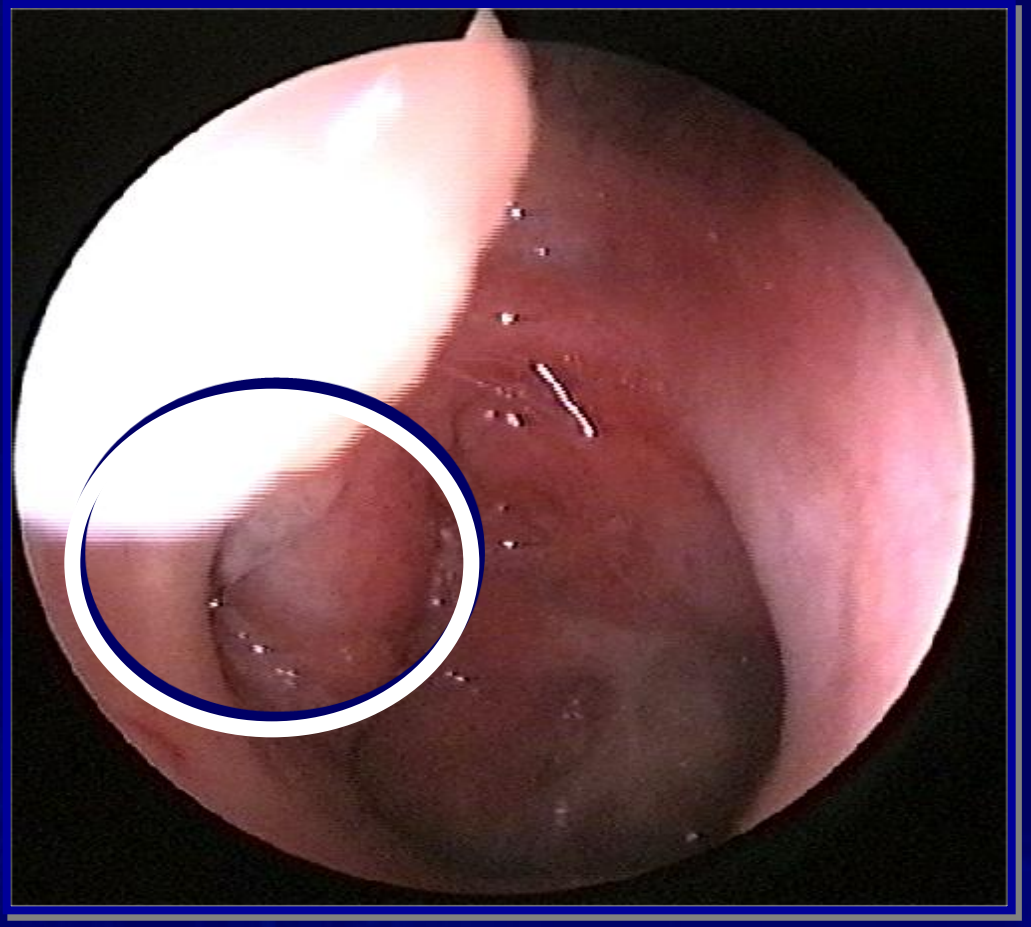
Fibro-endoscopia: COM



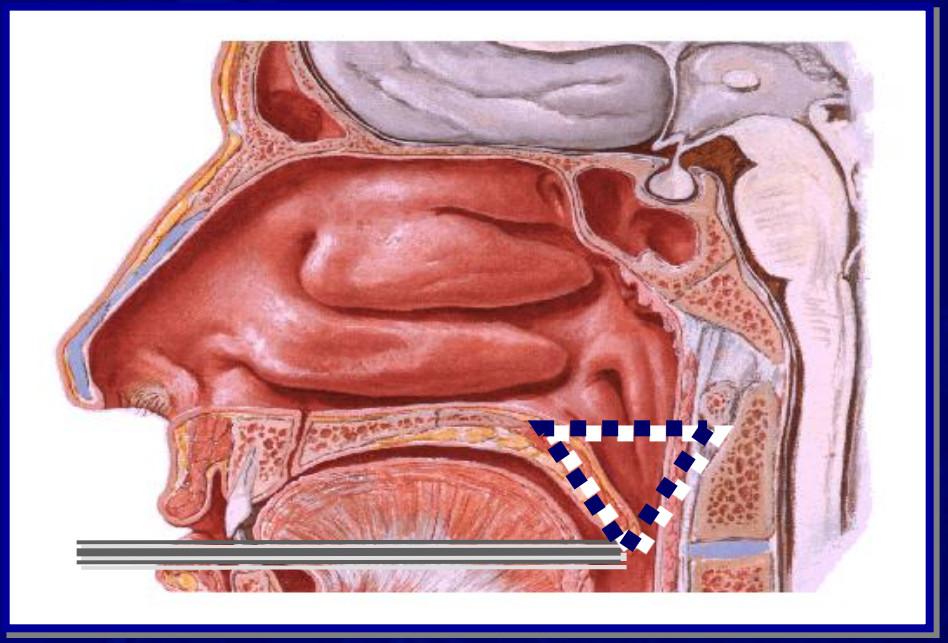


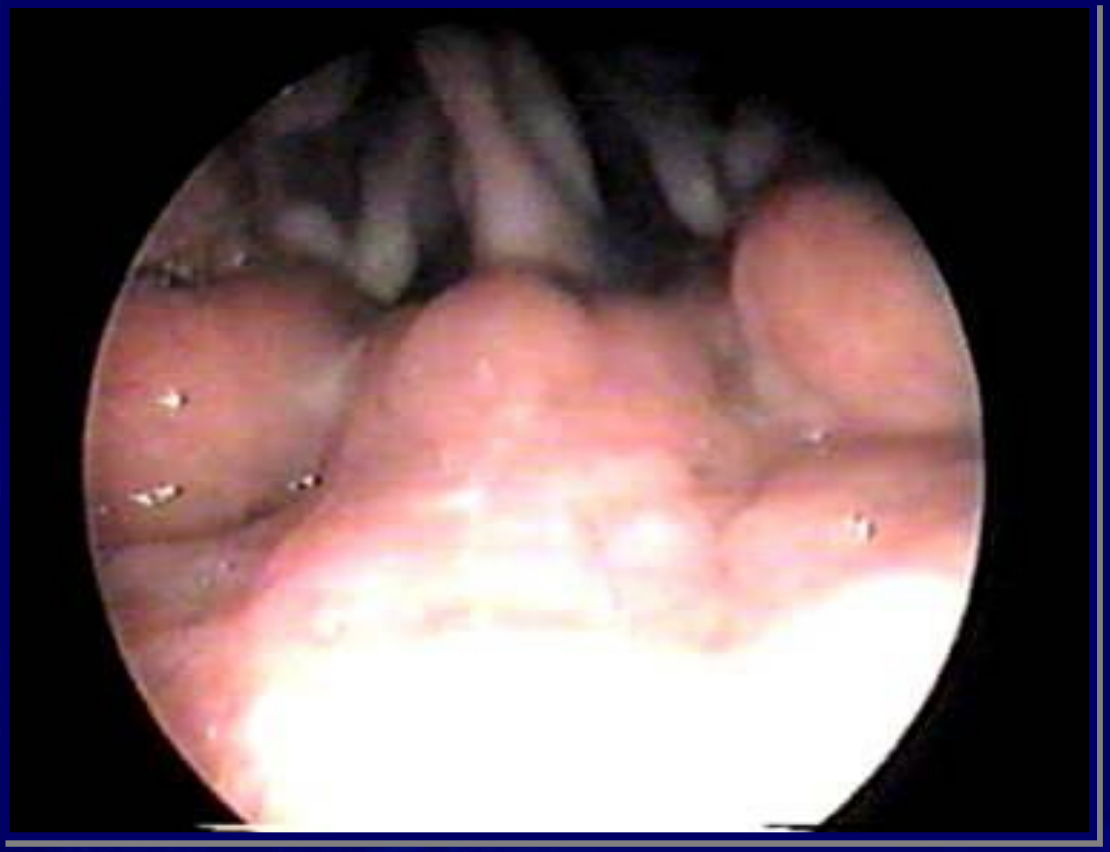
Fibro-endoscopia: RF



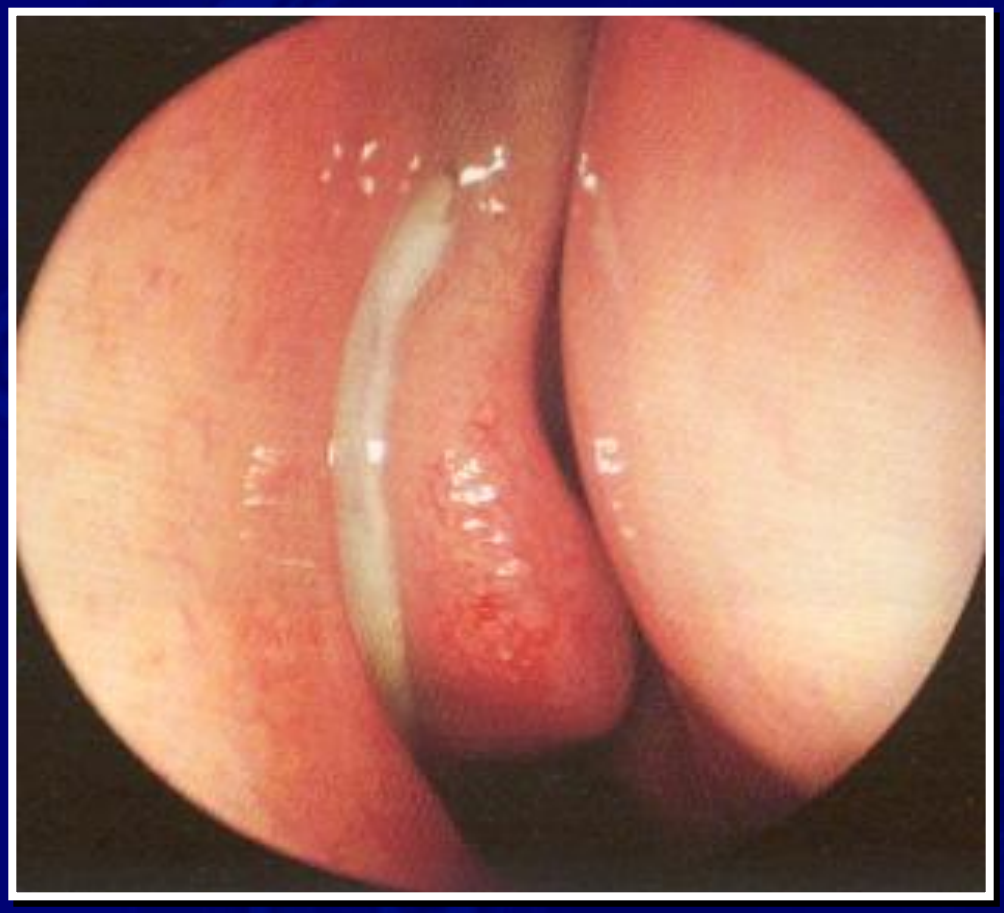


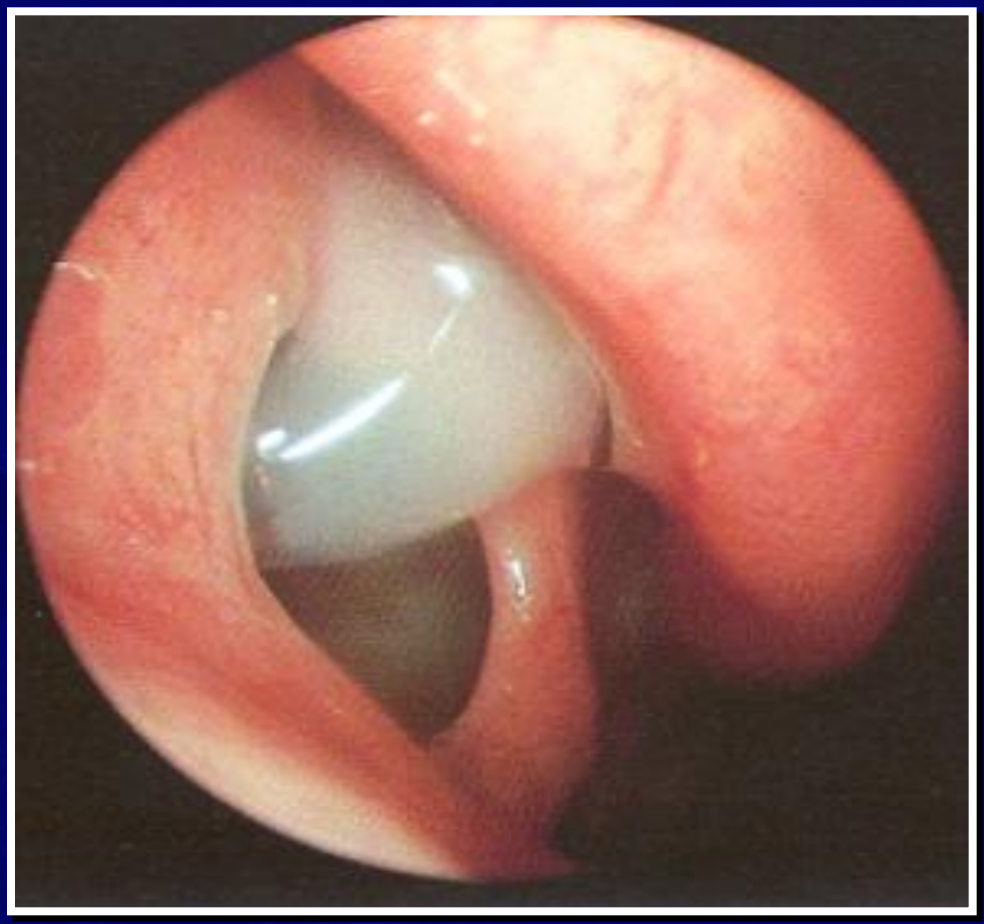
Fibro-endoscopia per via retrogada: RF



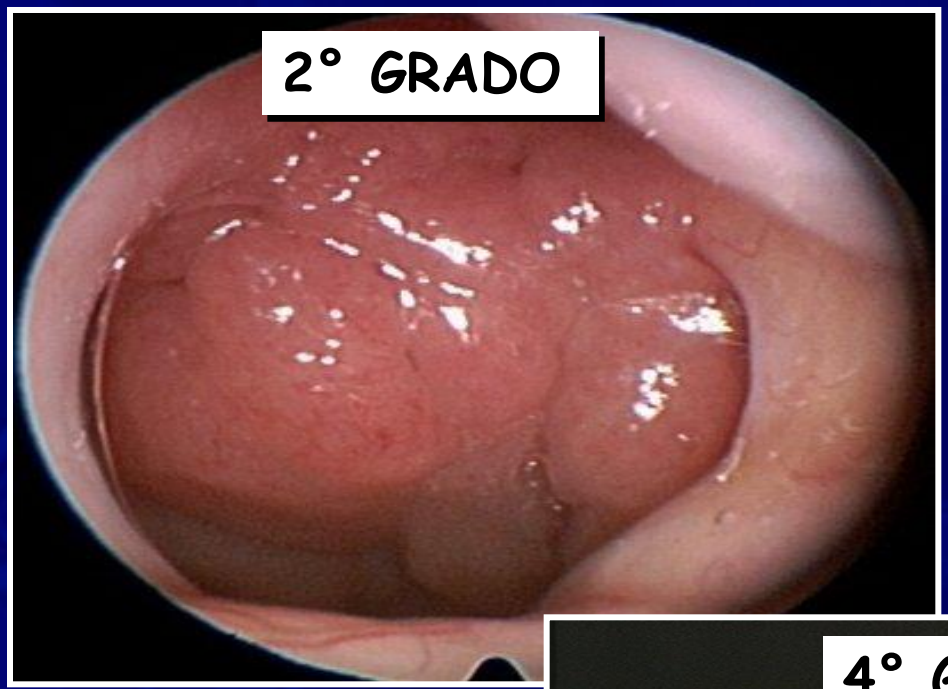


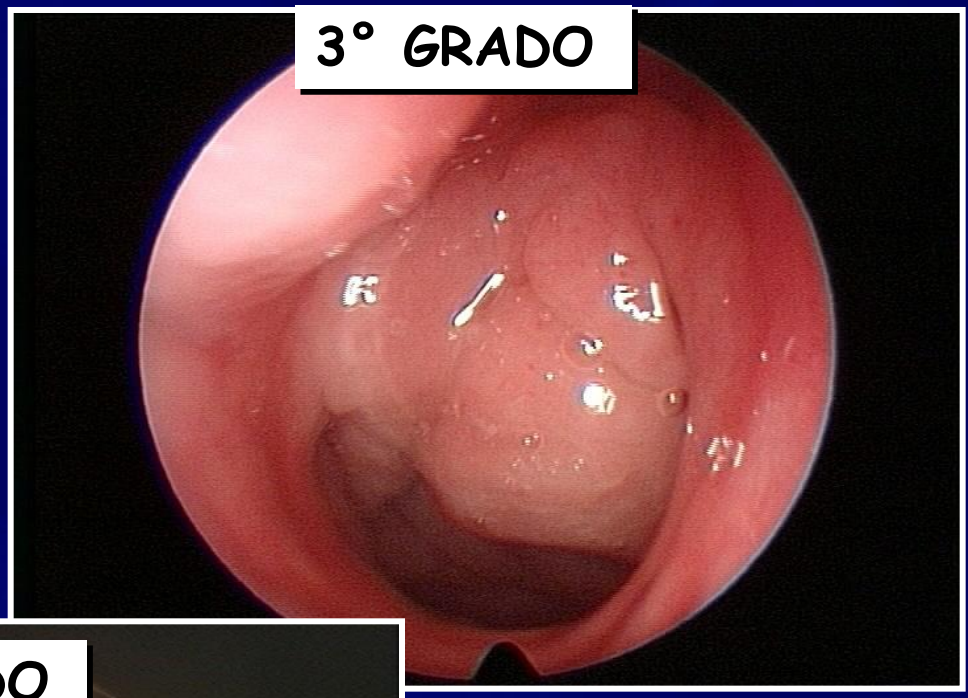
RINO-SINUSITE ACUTA ETMOIDO-MASCELLARE

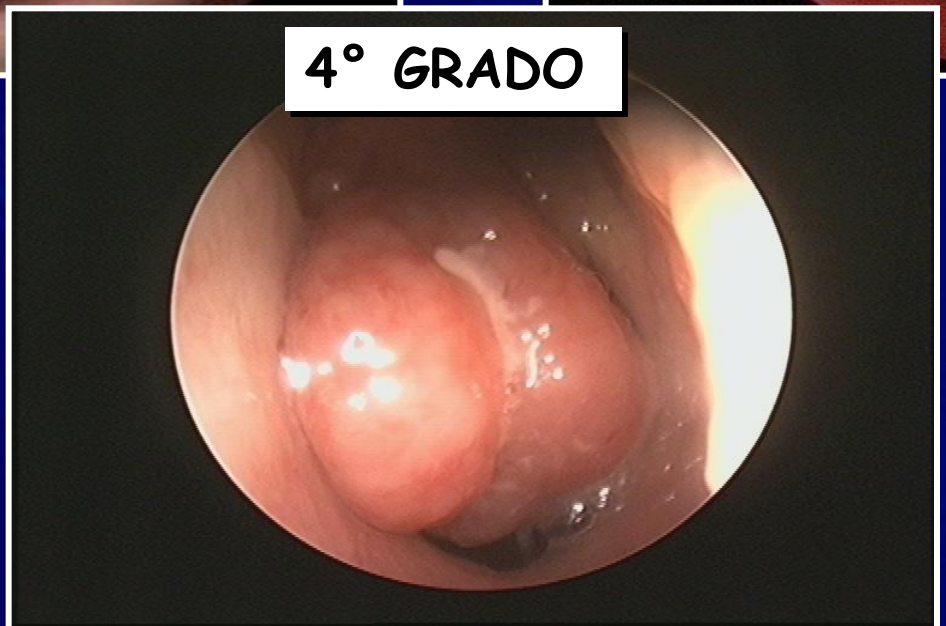




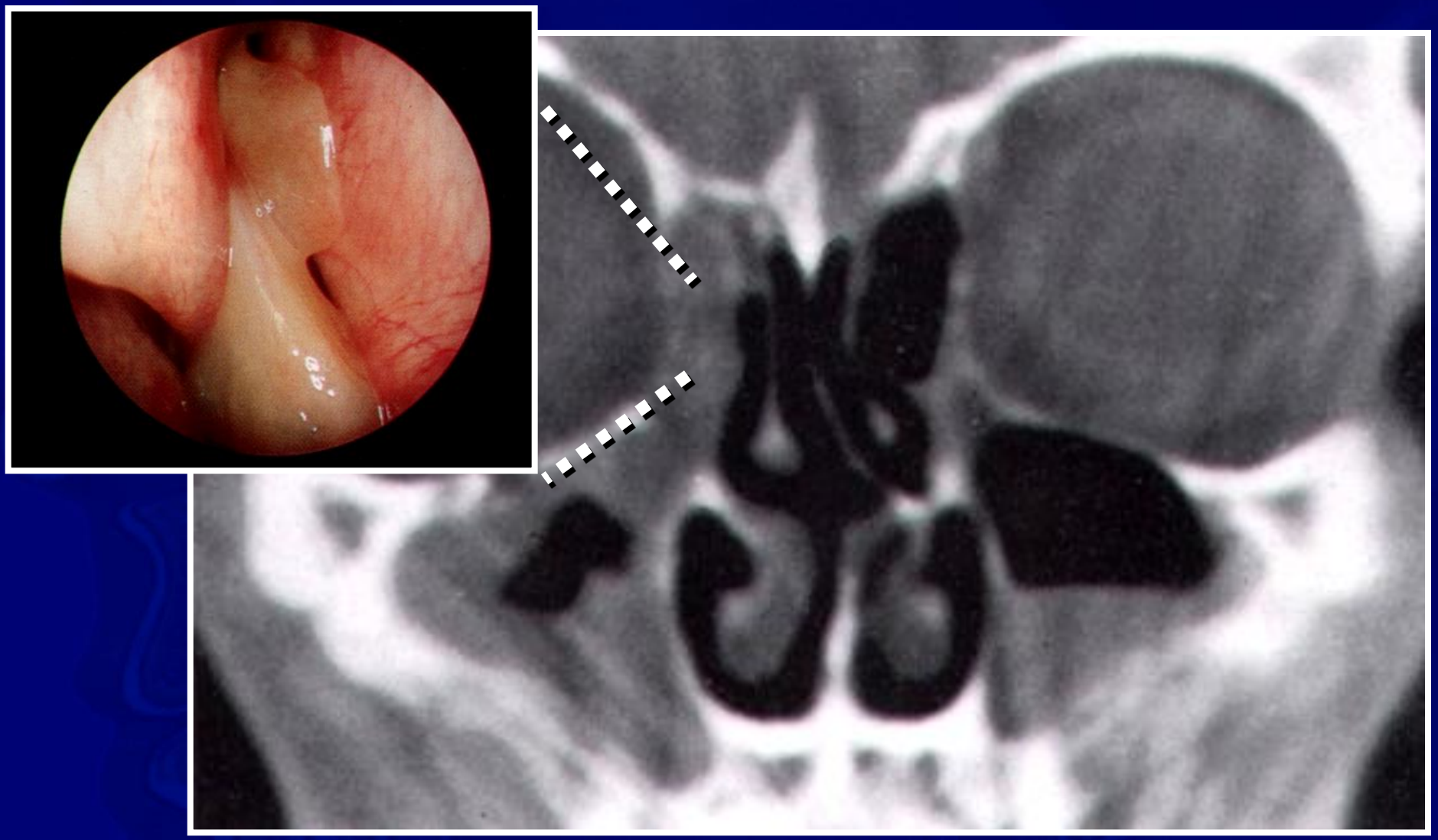
GRADI IPERTROFIA ADENOIDEA







Confronto T.C. ed Endoscopia



POLIPOSI

MODERNO APPROCCIO DIAGNOSTICO alle V.A.S.

- ESAME FIBRO-ENDOSCOPICO
- TAMPONE ESSUDATO V.A.S.
- CITOLOGIA NASALE
- TRASPORTO MUCO-CILIARE
- TESTS ALLERGOMETRICI
- STUDIO RESISTENZE AL FLUSSO AEREO
- DIAGNOSTICA RADIOLOGICA PER IMMAGINI (TC/RMN)

RADIOLOGIA TRADIZIONALE

NON È INDICATA

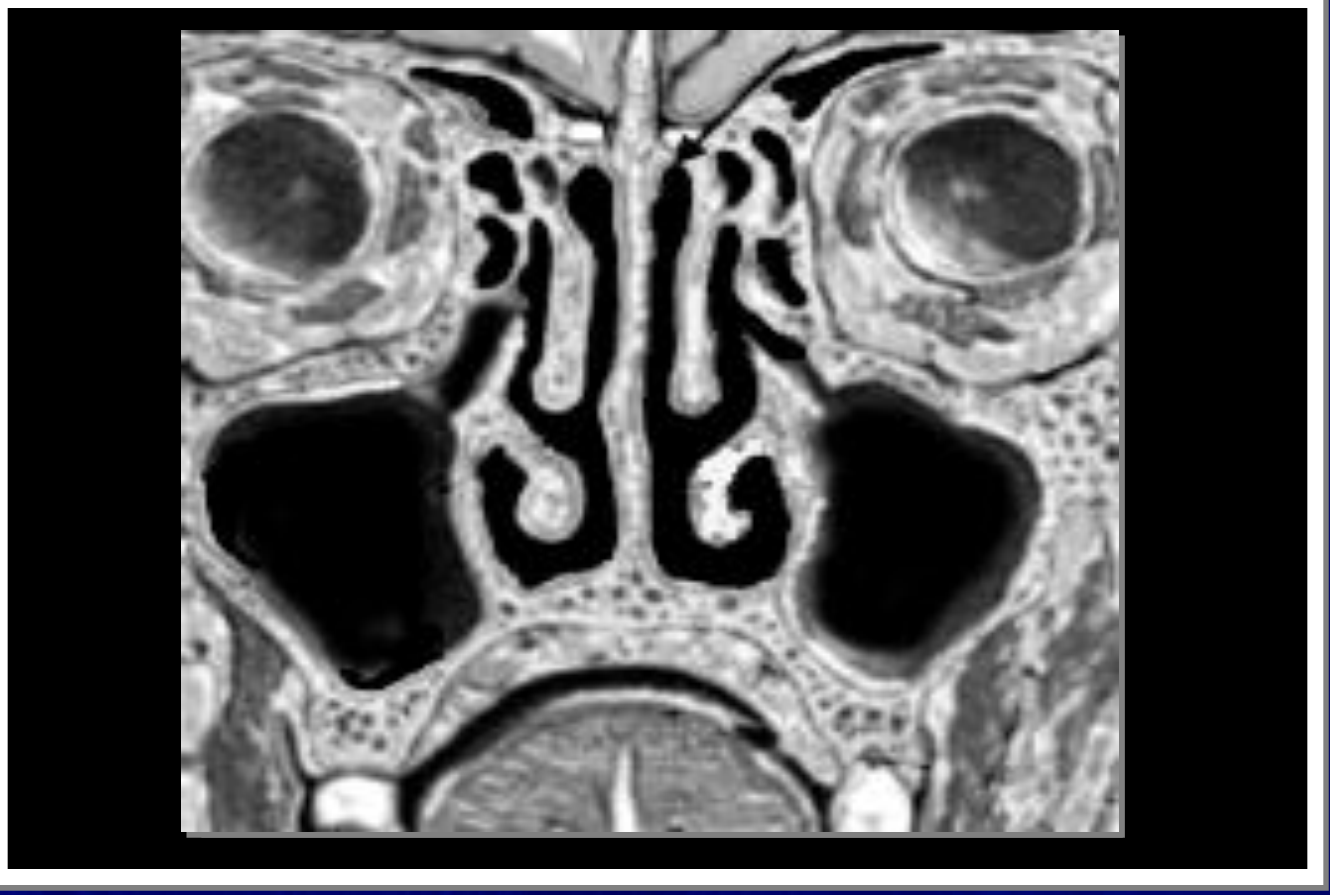
Patologie delle

V.A.S.

"LIEVE VELATURA FLOGISTICA DEI SENI PARANASALI"

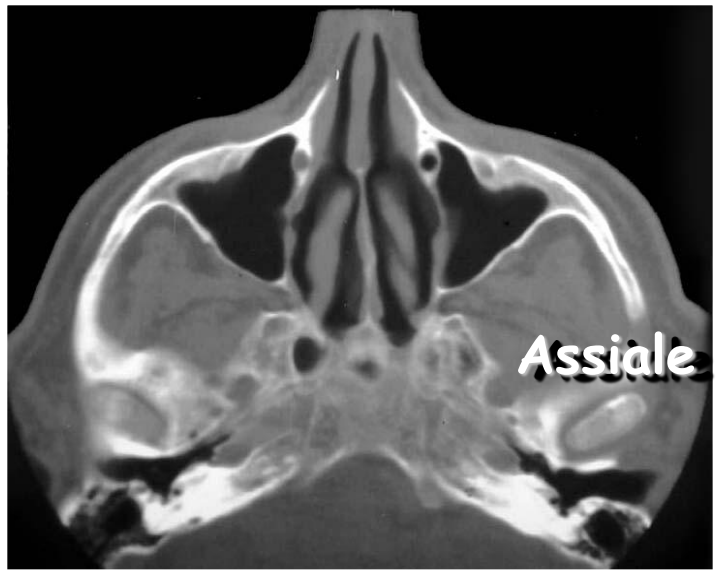
T.C. INDAGINE D'ELEZIONE

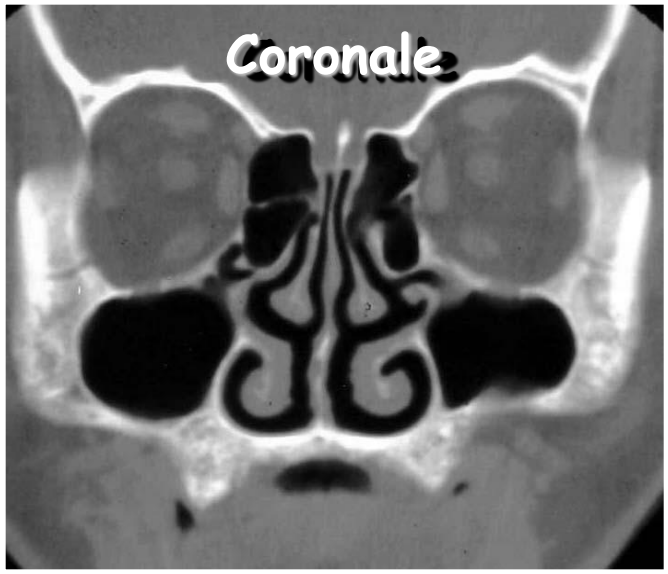
TC

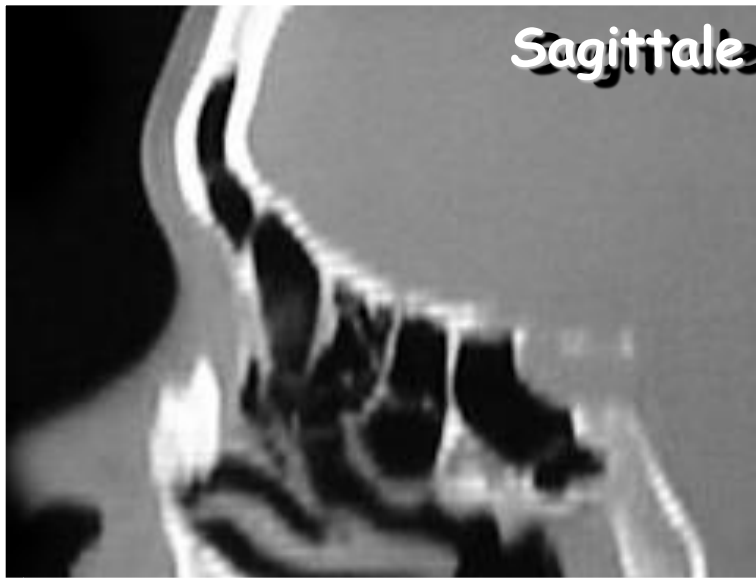


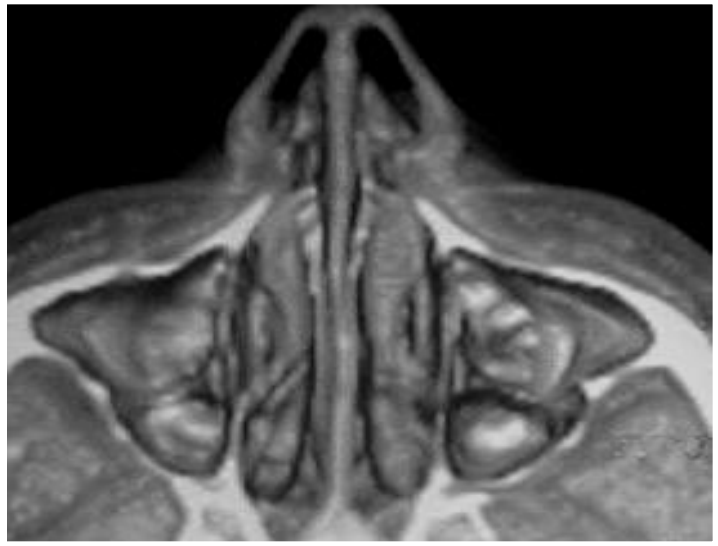
Nessun ruolo nello studio delle flogosi acute/croniche

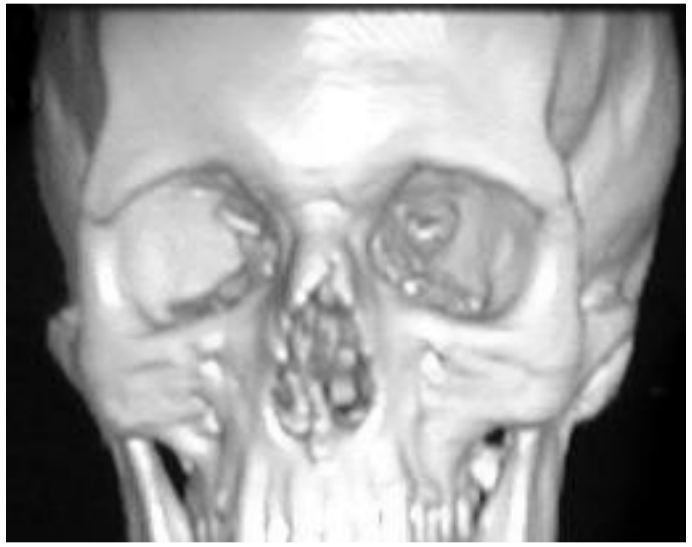
T.C. INDAGINE D'ELEZIONE

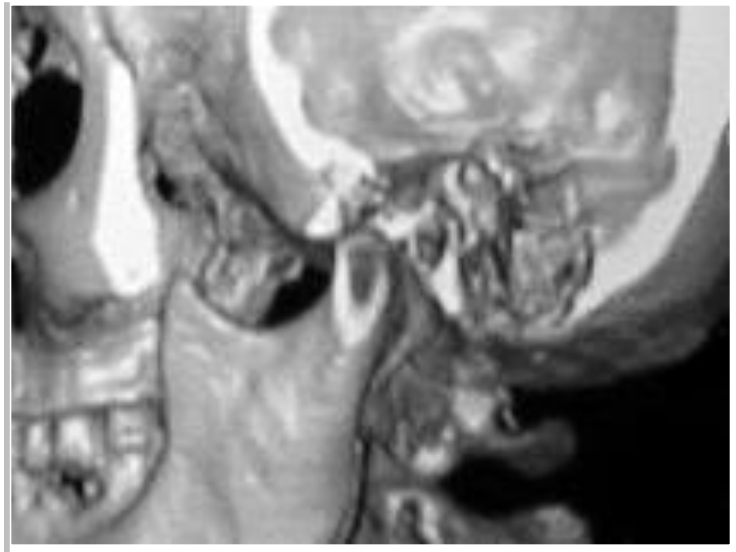










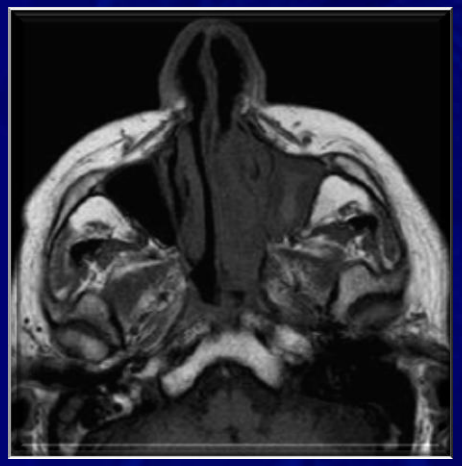


Si possono ottenere i tre piani spaziali e la ricostruzione 3D

R.M.N. INDAGINE DI COMPLEMENTO

RMN

Non vede l'osso!!!



DIAGNOSI NEURORADIOLOGICA

Rx TRADIZIONALE

- nessun ruolo nello studio delle flogosi acute/croniche

TOMOGRAFIA COMPUTERIZZATA

- indagine gold-standard
- valutazione insuccesso terapeutico
- stadiazione pre-chirurgica

RISONANZA MAGNETICA

- complicanze orbitarie/intracraniche
- d.d. lesioni neoplastiche/simil-neoplastiche

MODERNO APPROCCIO DIAGNOSTICO alle V.A.S.

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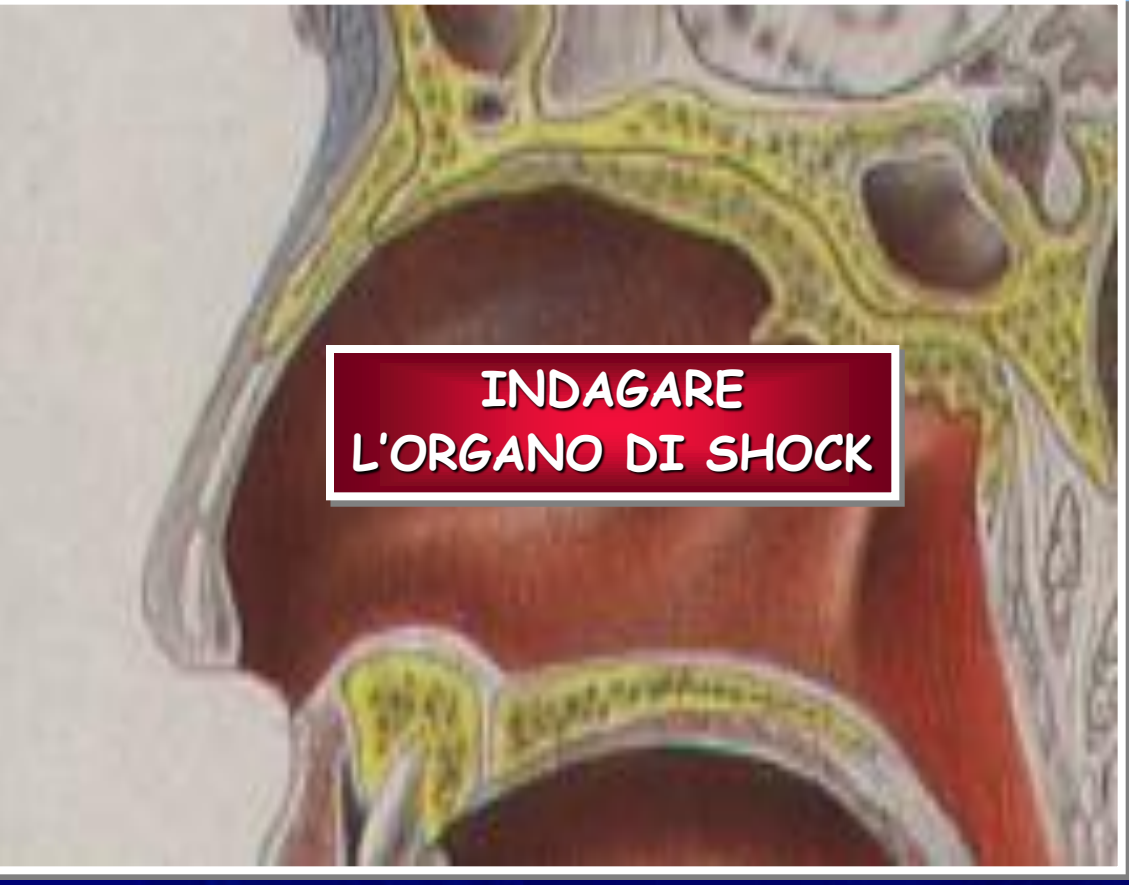
- **CITOLOGIA NASALE**
- TRASPORTO MUCO-CILIARE
- TESTS ALLERGOMETRICI
- STUDIO RESISTENZE AL FLUSS
- DIAGNOSTICA RADIOLOGICA PE

RINITI VASOMOTORIE NON ALLERGICHE



RINITI VASOMOTORIE NON ALLERGICHE

M. Gelardi

25 - 30%

ANAMNESI (+)
PRICK TEST (+)

R.V. ALLERGICA

70 - 75 %

ANAMNESI (-)
PRICK TEST (-)

R.V.NON ALLERGICA

Citologia nasale

1/4

EOSINOFILI
NEL SECRETO
(*N.A.R.E.S.*)

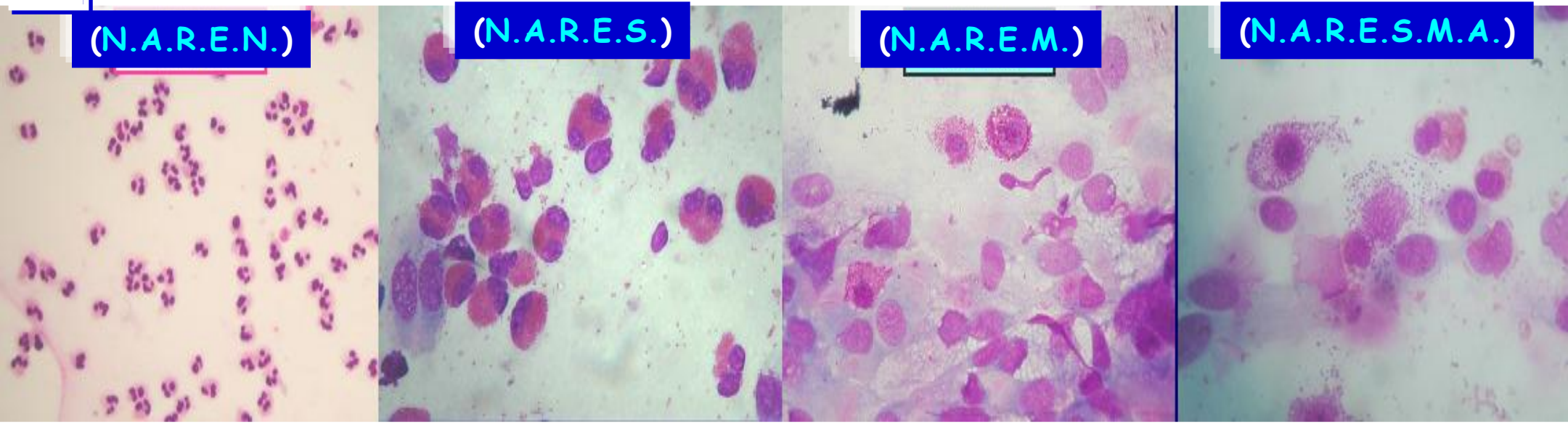
MASTCELLULE
NEL SECRETO
(*N.A.R.E.M.*)

EOSINOFILI E
MASTCELLULE
(*N.A.R.E.S.M.A.*)

3/4

NEUTROFILI
NEL SECRETO NASALE
(*N.A.R.E.N.*)

RINITI VASOMOTORIE NON ALLERGICHE



COMPLICANZE

?

RINO-SINO-OTITI

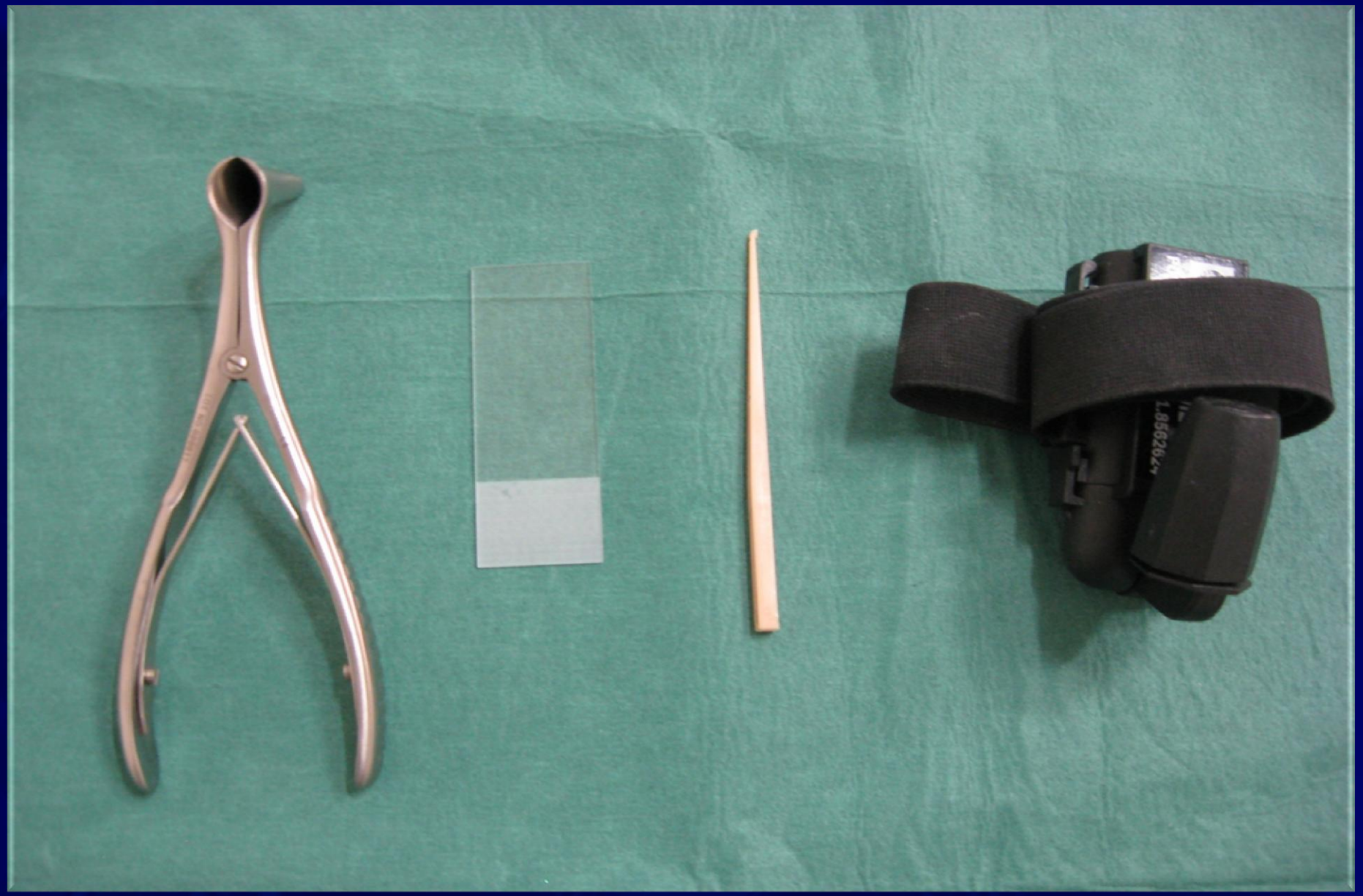
S. R ONCHIALE

POLIPOSI NASALE

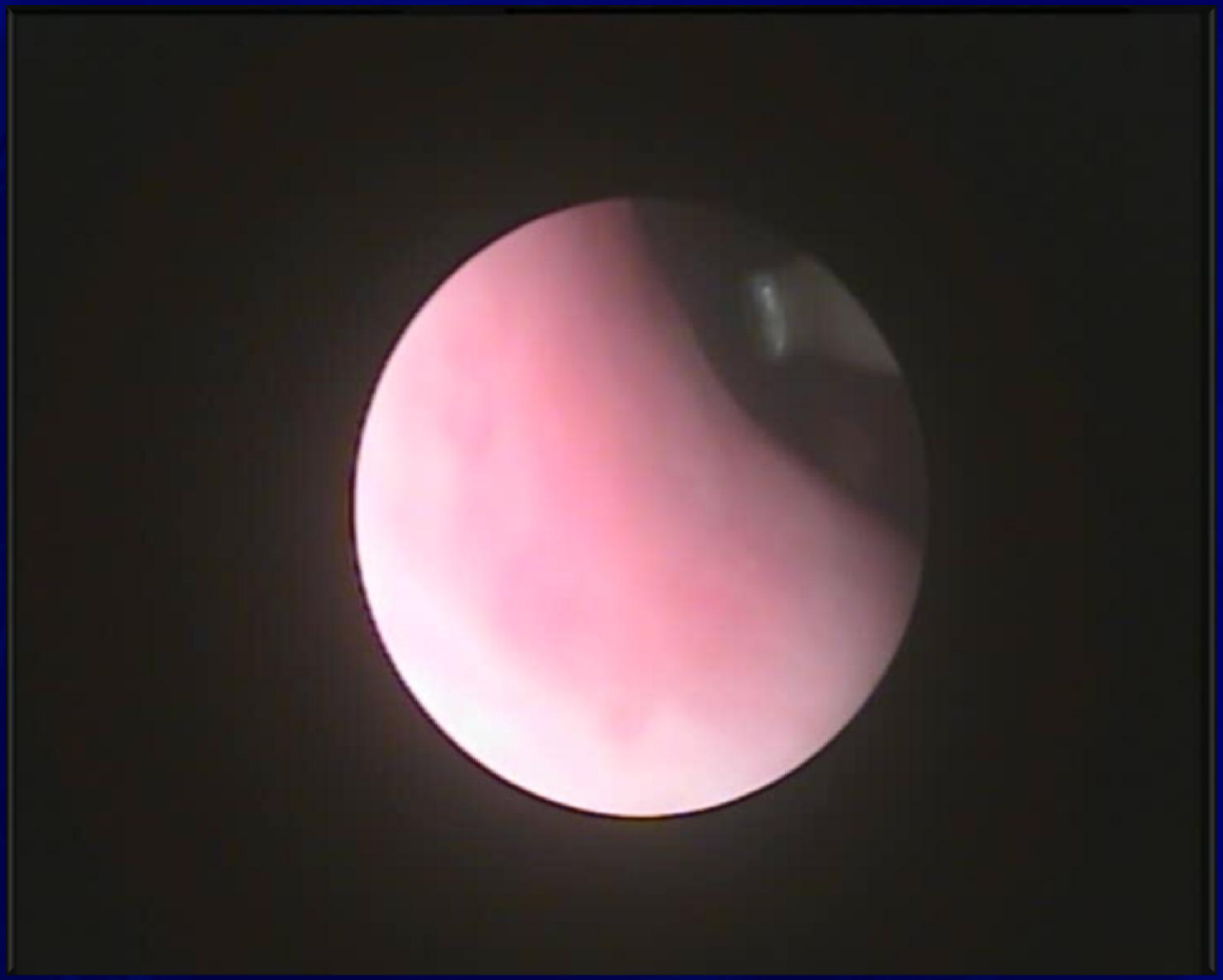
M. Gelardi

TECNICA CITOLOGICA

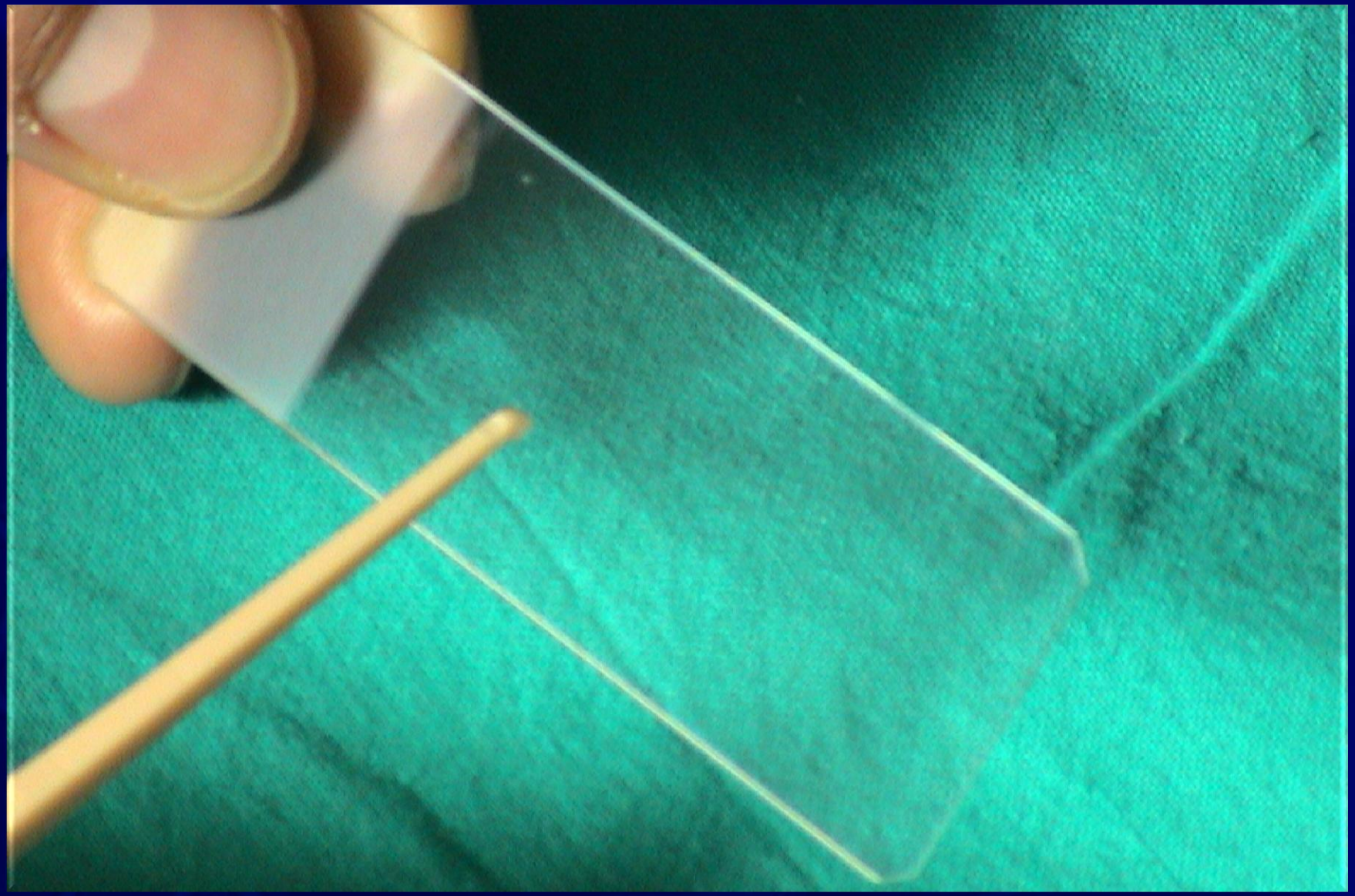
STRUMENTARIO



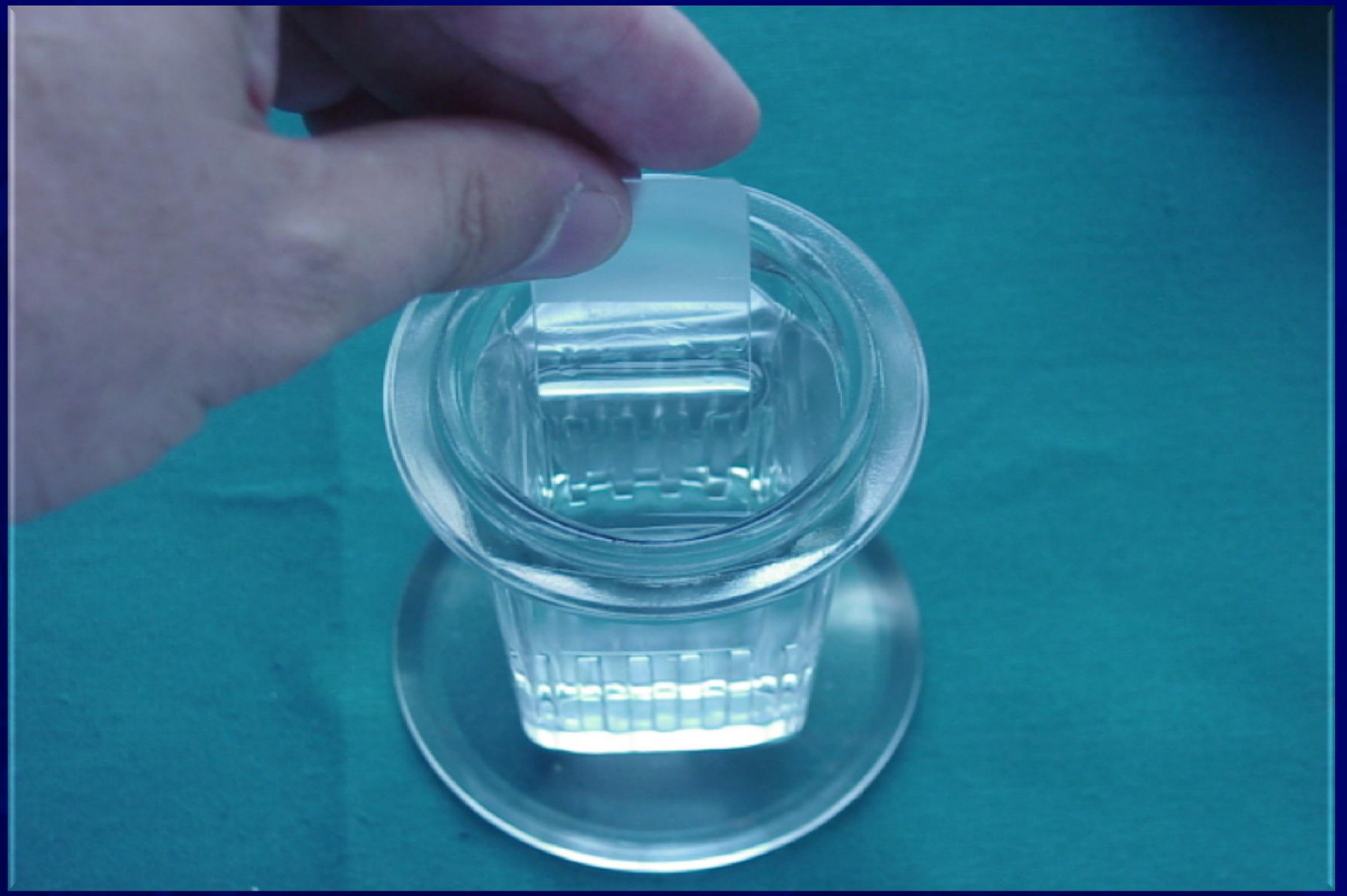
SCRAPING



STRISCIO



FISSAZIONE



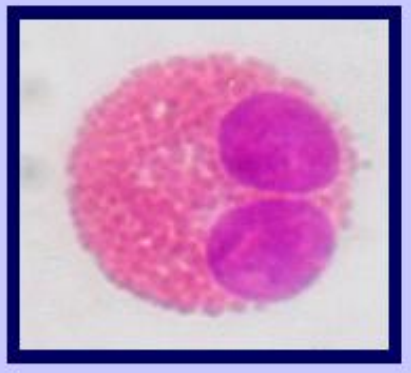
COLORAZIONE

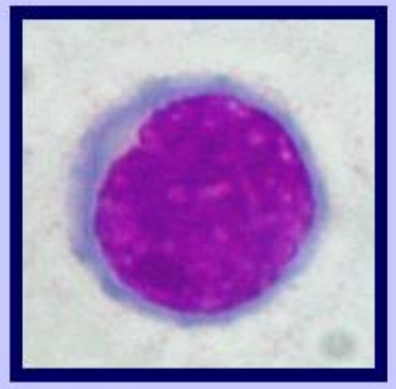
MGG Quick Stain

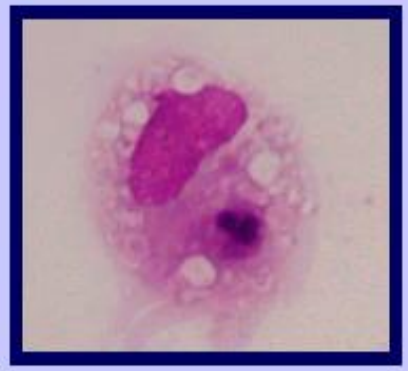
ANALISI CITOLOGICA

ANALISI MICROSCOPICA secondo Gelardi

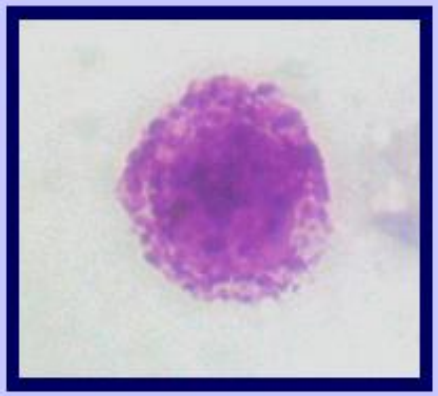
	Analisi quantitativa	Analisi semiquantitativa	Grado
Cellule epiteliali	N / P	morfologia normale	N
	N / P	morfologia alterata	P
	N / P	ciliocitoftoria	CCF
*Cellule caliciformi (Goblet)***	0	non visibili	0
	1 - 24%	gruppi occasionali	1 +
	25 - 49%	moderato numero	2 +
	50 - 74%	molti facilmente visibili	3 +
	75 - 100%	largo numero che ricoprono l'intero campo	4 +
Neutrofili e eosinofili	0	nessuno	0
	0.1 - 1.0*	sporadici elementi	1/2 +
	1.1 - 5.0*	poche cellule sparse o piccoli gruppi	1 +
	5.1 - 15.0*	discreto numero di cellule o gruppi più grandi	2 +
	15.1 - 20.0*	grossi ammassi cellulari che non coprono interamente il campo microscopico	3 +
	> 20.0*	grossi ammassi cellulari che coprono interamente il campo microscopico	4 +
Cellule metacromatiche	0*	nessuna cellula metacromatica visibile	0
	0.1 - 0.3*	sporadiche cellule	1/2 +
	0.4 - 1.0*	poche cellule sparse	1 +
	1.1 - 3.0*	discreto numero di cellule	2 +
	3.1 - 6.0*	molte cellule facilmente visibili	3 +
	> #6*	numerose cellule, anche > 25 / campo	4 +
Batteri	N / P	non visibili	0
	N / P	gruppi occasionali	1 +
	N / P	numero moderato	2 +
	N / P	molti facilmente visibili	3 +
	N / P	molti che ricoprono l'intero campo	4 +

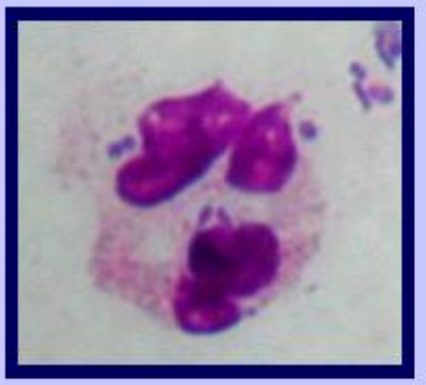






EOSINOFILI **MAST CELLULE** **LINFOCITI** **NEUTROFILI** **MACROFAGI**



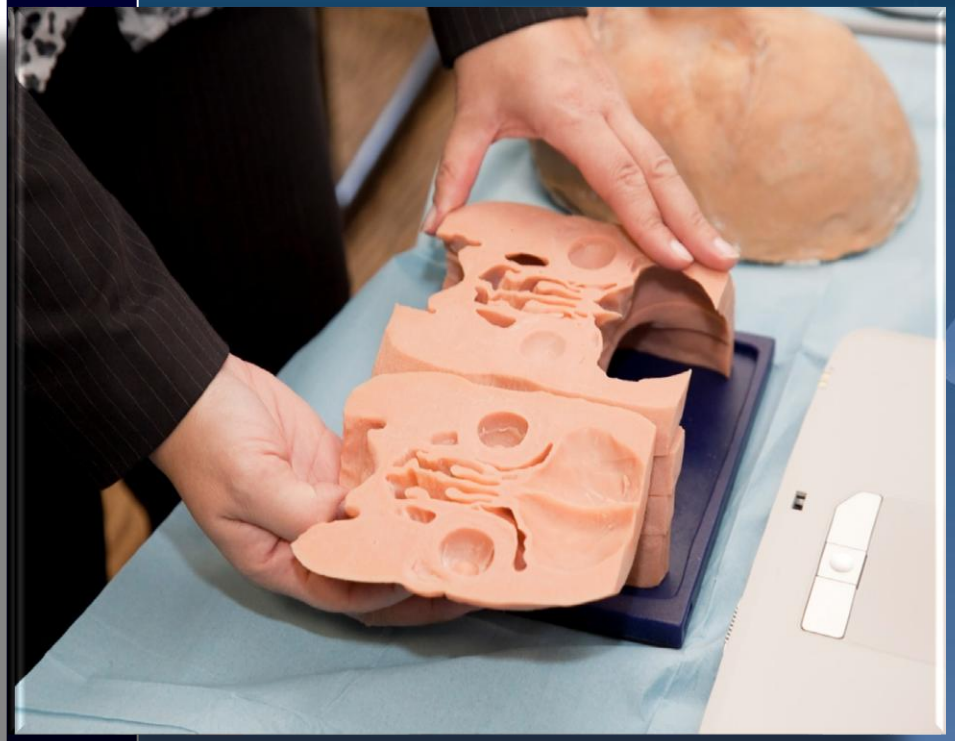


M. Gelardi

MASTER-VAS

Corsi Teorico-Pratici

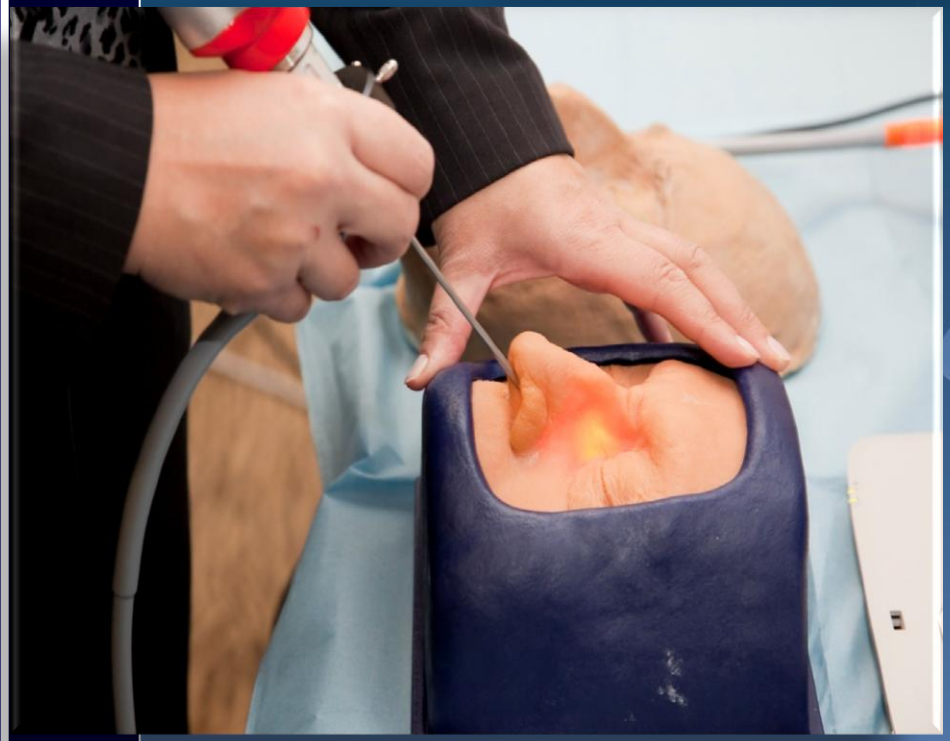
MASTER-VAS
2011



MASTER-VAS

Corsi Teorico-Pratici

MASTER-VAS
2011



MASTER-VAS

Corsi Teorico-Pratici

MASTER-VAS
2011

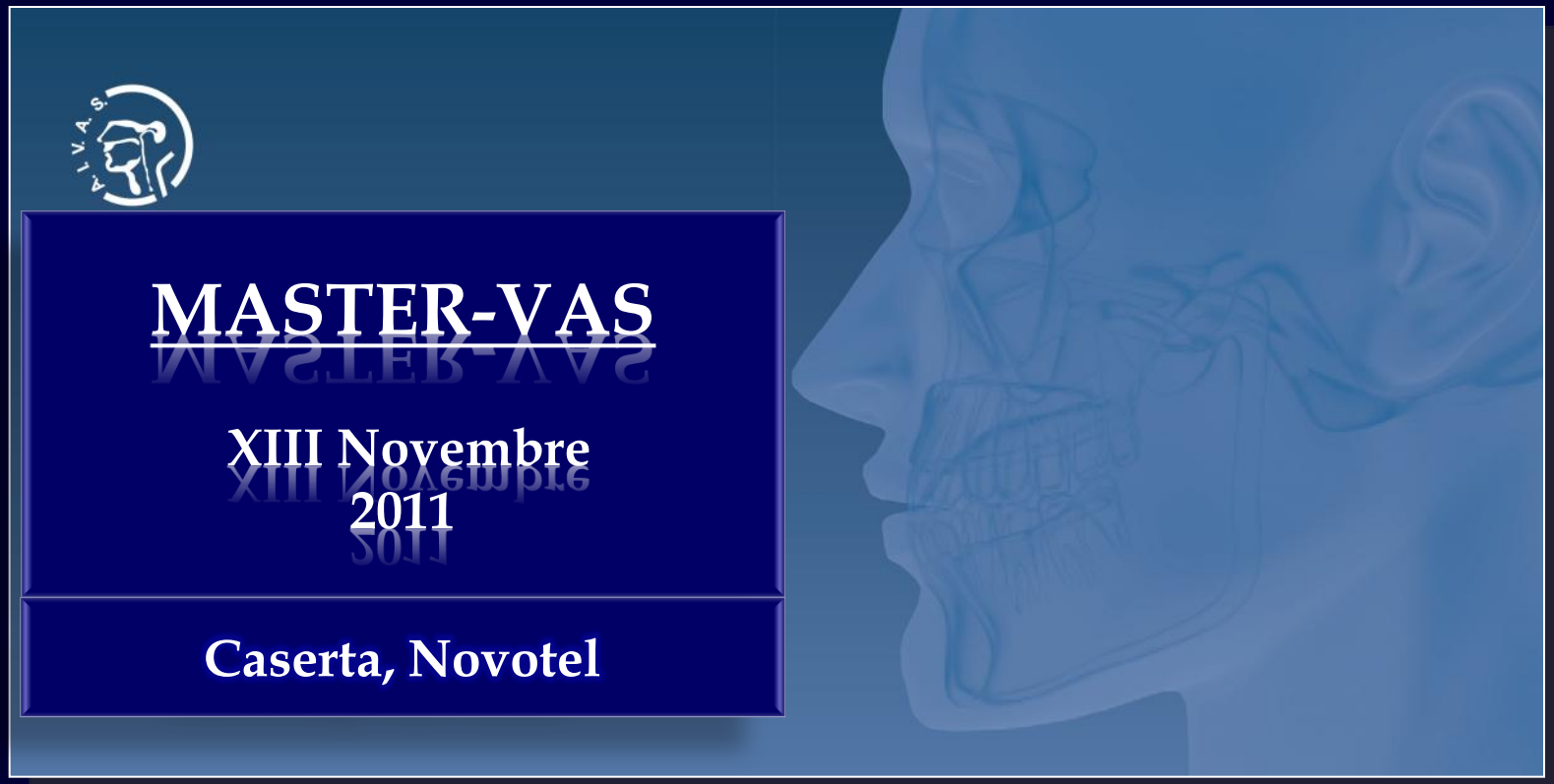
MASTER-VAS

Corsi Teorico-Pratici

MASTER-VAS
2011

MASTER-VAS

Corsi Teorico-Pratici



GRAZIE