

# Obstruction nasale architecturale

## Valve nasale

## Rhinoseptoplastie fonctionnelle

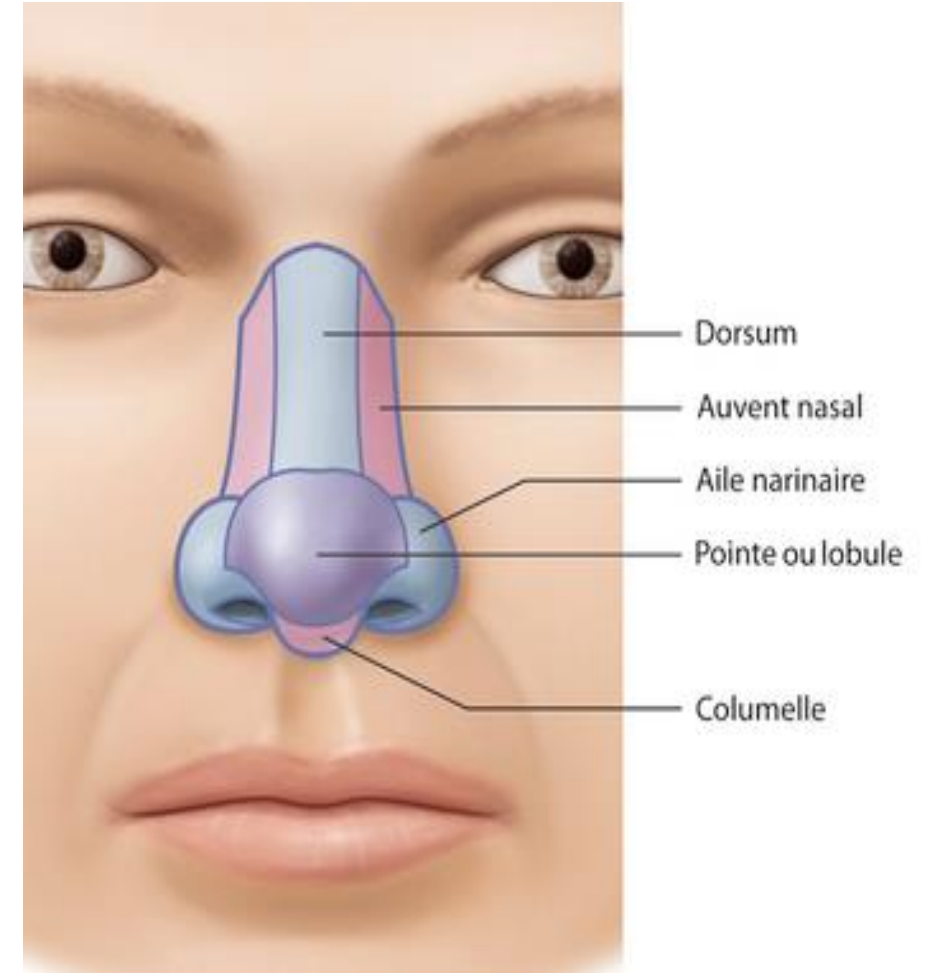
Dr Yonjae KIM  
Assistant spécialiste  
Service d'ORL, HEH

# Sommaire

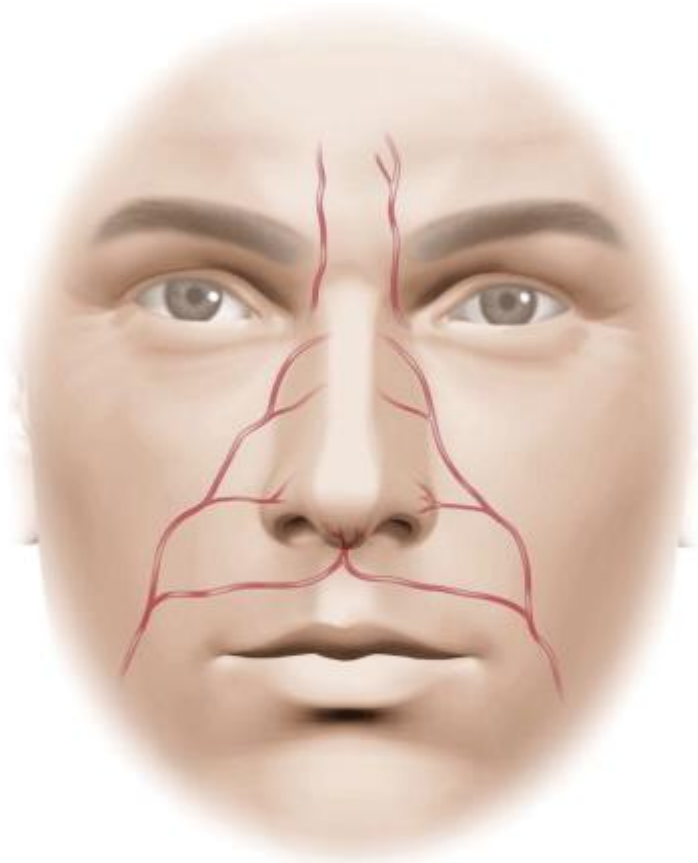
1. Anatomie du nez
2. Causes architecturales de l'obstruction nasale et chirurgie
  - Déviation rhino-septale
  - Valve nasale interne et externe
  - Hypertrophie turbinaire
  - Syndrome du nez vide
3. Exemples de rhinoseptoplastie fonctionnelle

# 1. Anatomie du nez

# 1. Anatomie: sous-unités esthétiques

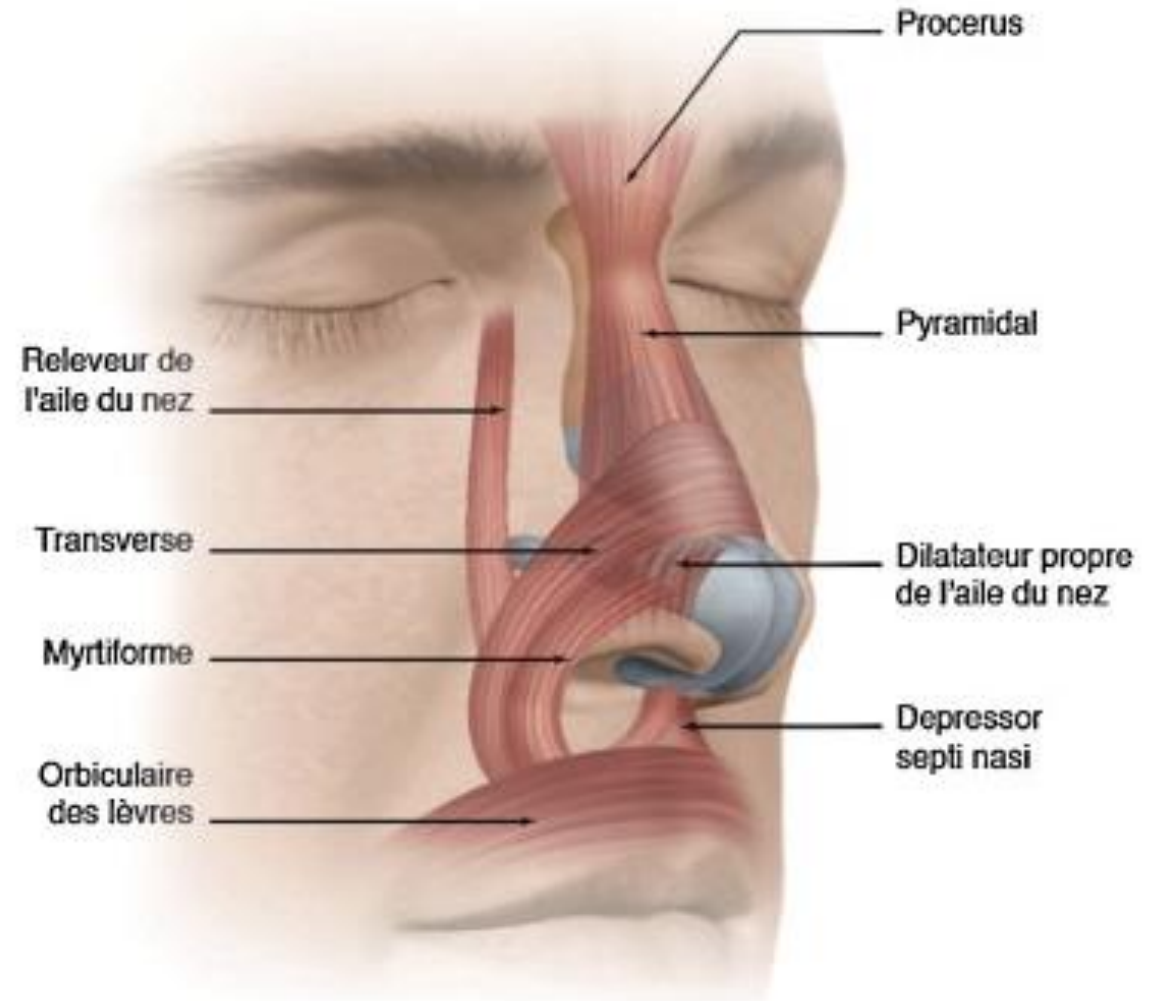


# 1. Anatomie: enveloppe musculo-cutanée



Sensibilité: V2

Motricité: VII

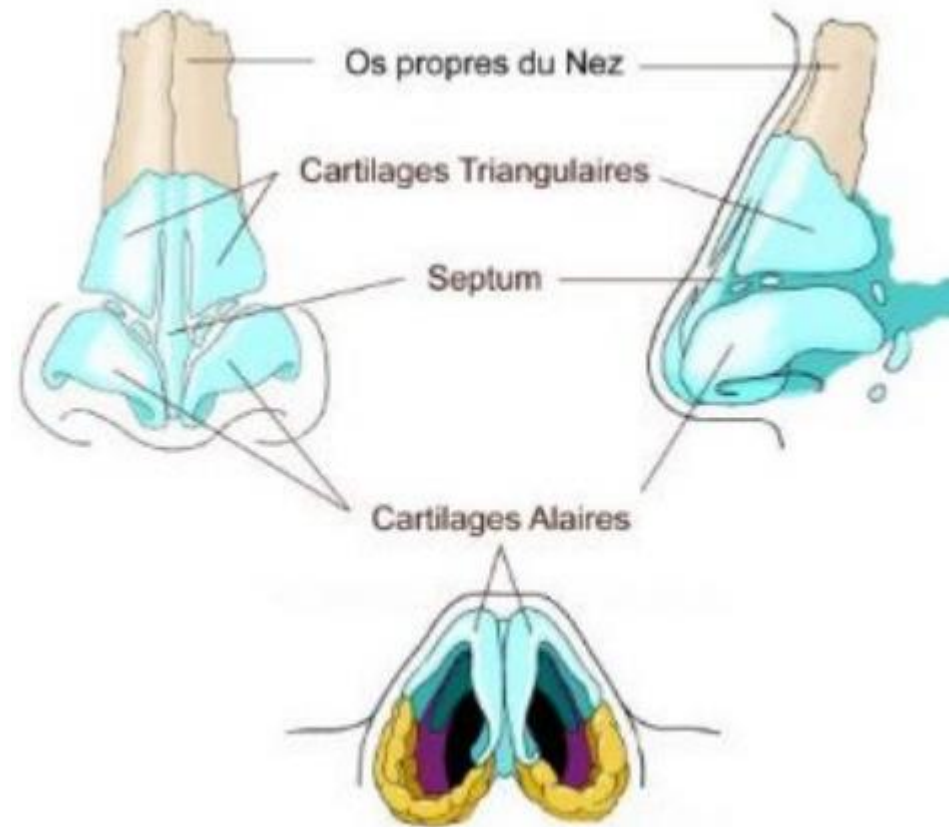


# 1. Anatomie: charpente ostéo-cartilagineuse

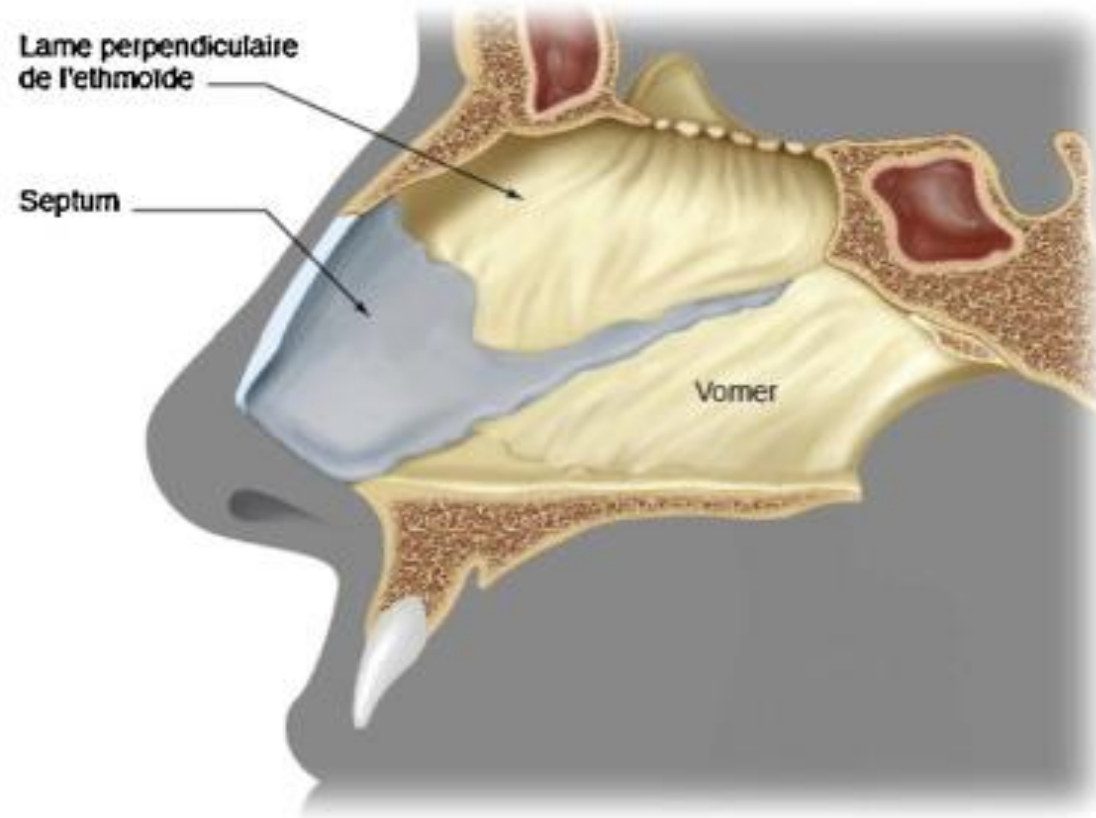
Pyramide nasale:

1/3 supérieur osseux

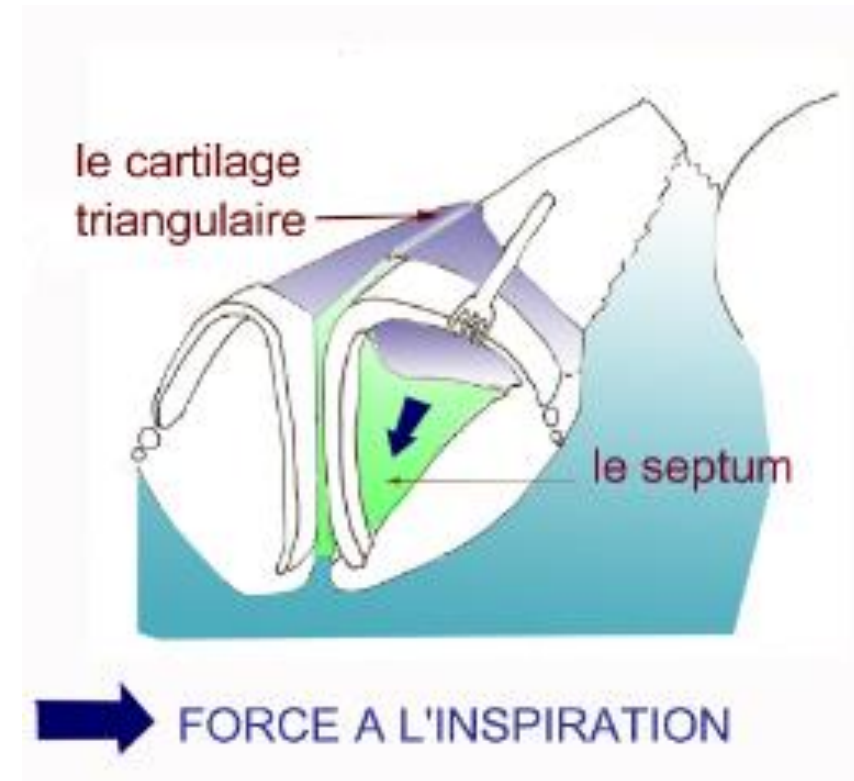
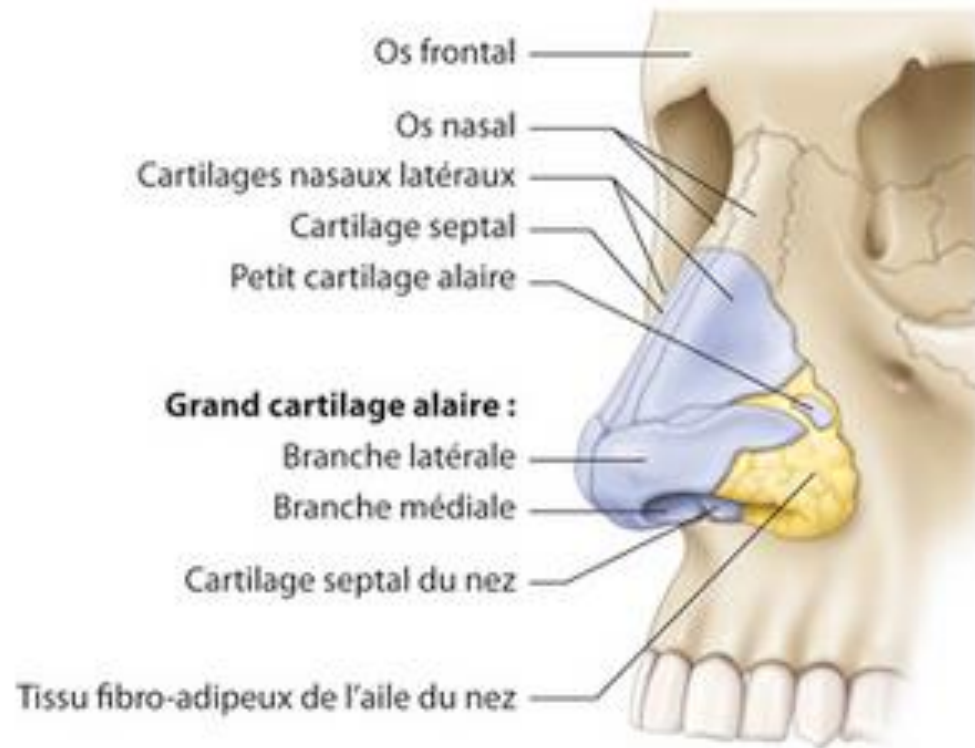
2/3 inférieur cartilagineux



# 1. Anatomie : septum

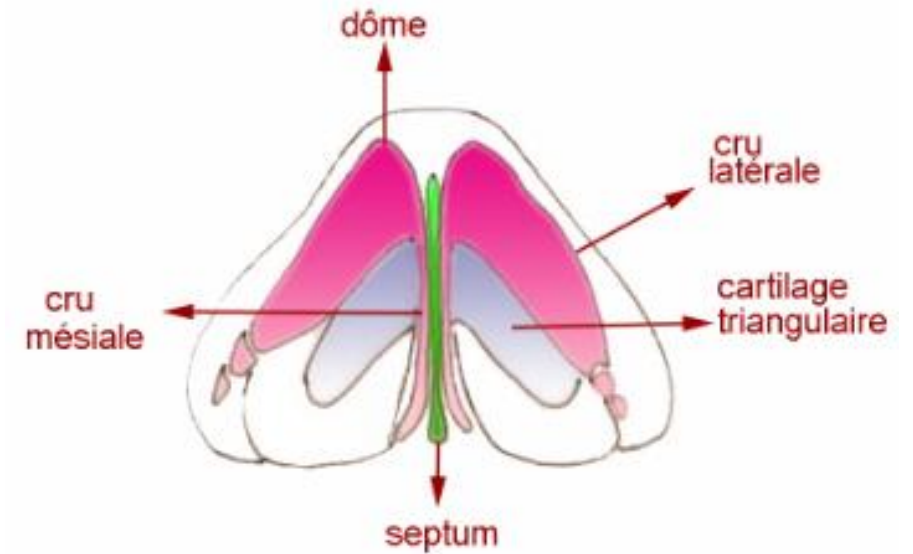
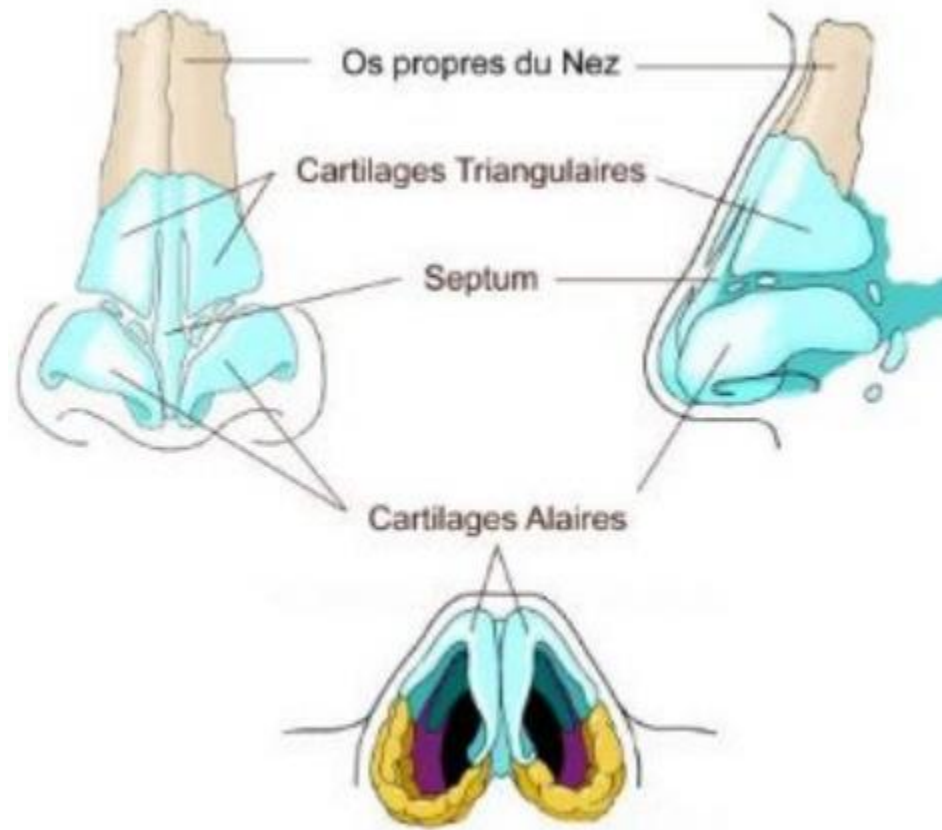


# 1. Anatomie : cartilages triangulaires

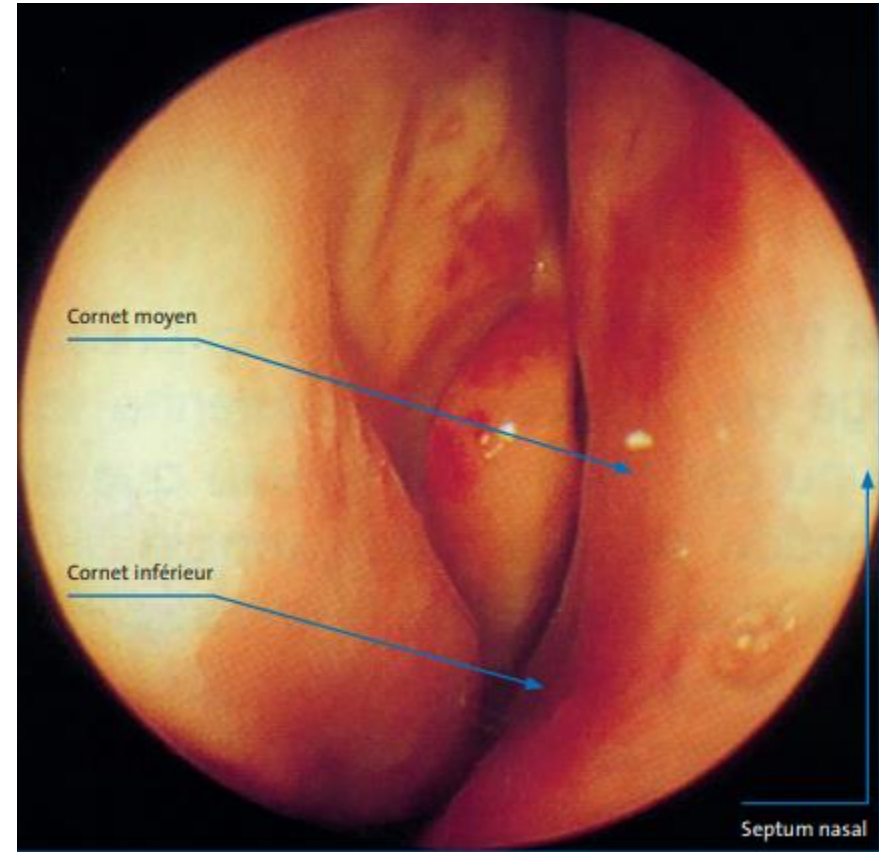
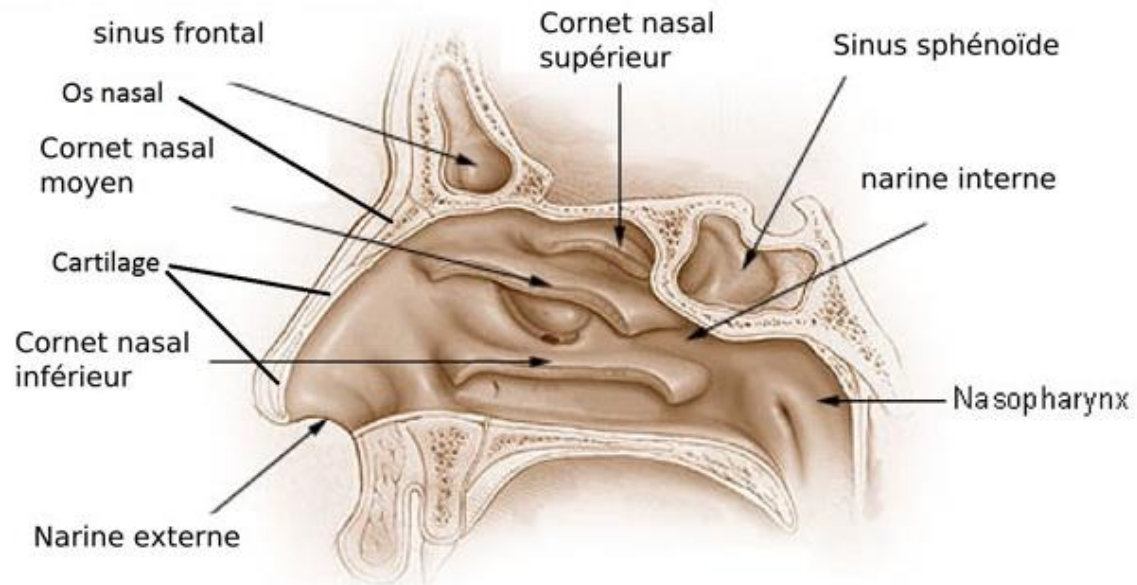




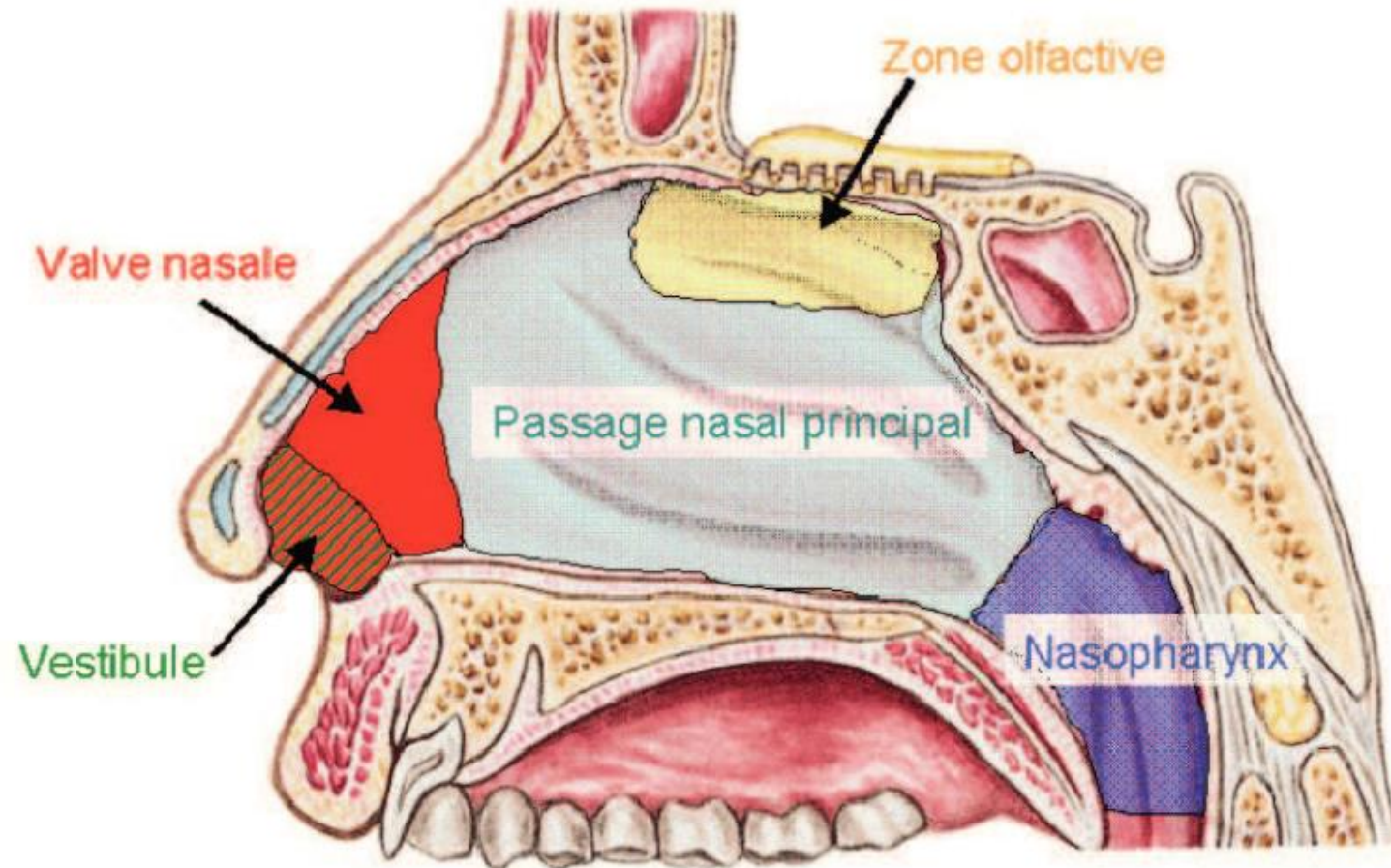
# 1. Anatomie : cartilages alaires



# 1. Anatomie : cornets



# 1. Anatomie fonctionnelle

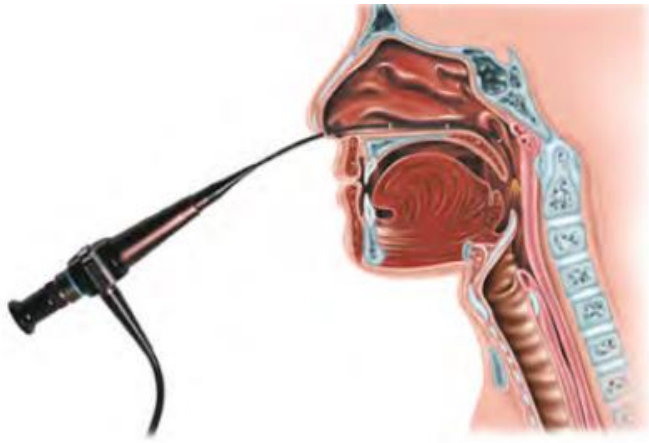


## 2. Obstruction nasale

## 2. Obstruction nasale

- Symptôme fréquent en ORL
- Difficulté respiratoire nasale
  - Unilatérale / bilatérale
  - Permanente / intermittente / à bascule
- Ancienneté
- Isolée ou associée à d'autres symptômes
  - Hyposmie, rhinorrhée, ronchopathie
  - Allergie

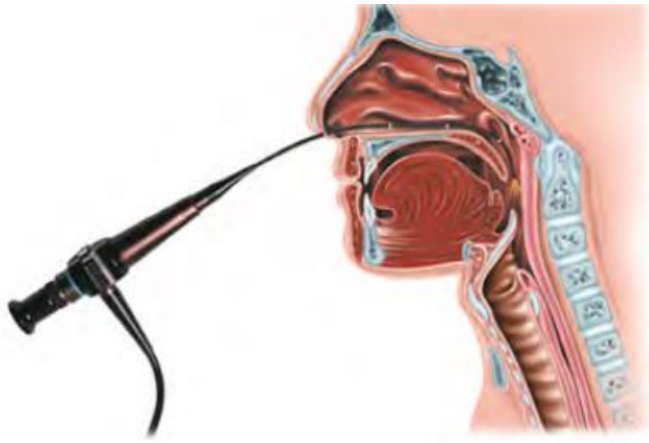




Obstruction nasale

Cause architecturale

- Statique:  
Septum / cornets / orifices  
piriformes
- Dynamique:  
Phénomène de valve



# Obstruction nasale

## Cause architecturale

- Statique:  
Septum / cornets / orifices piriformes
- Dynamique:  
Phénomène de valve

## Pathologie de la muqueuse

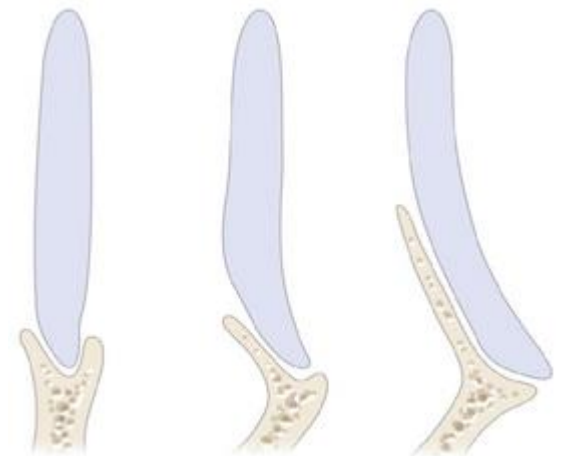
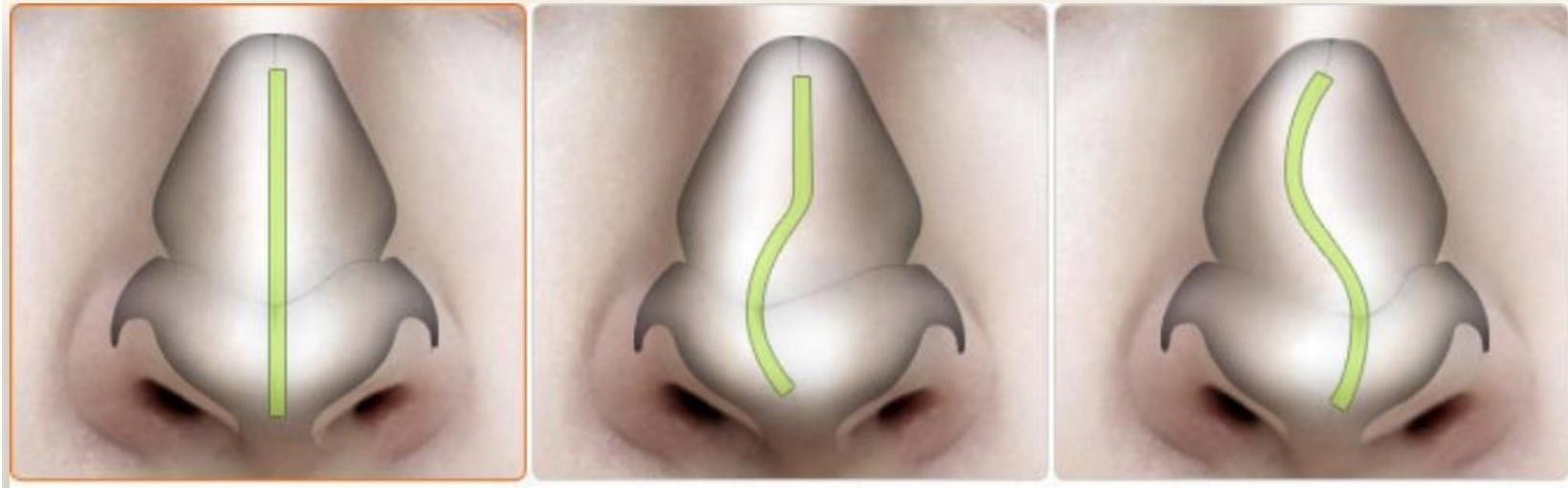


Rhinosinusite



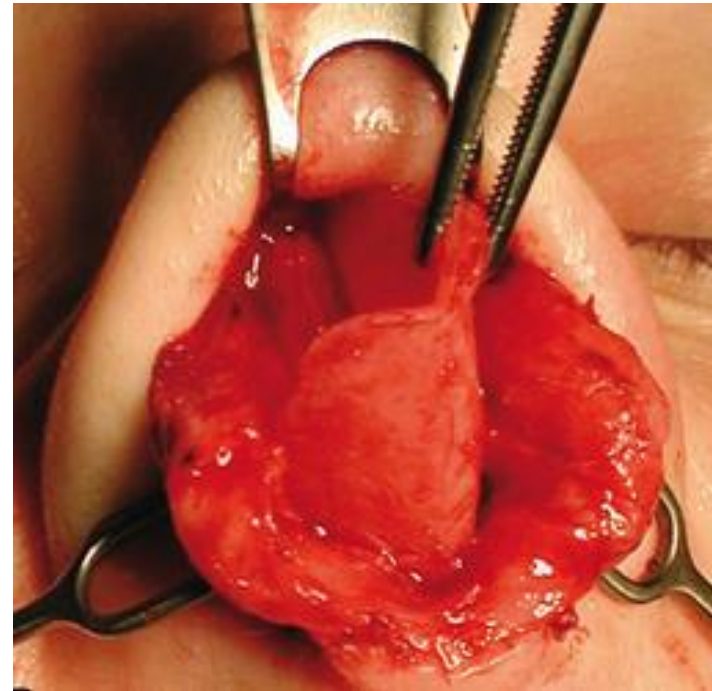
Processus expansif  
(polype, tumeur)

## 2. Obstruction nasale: déviation septale

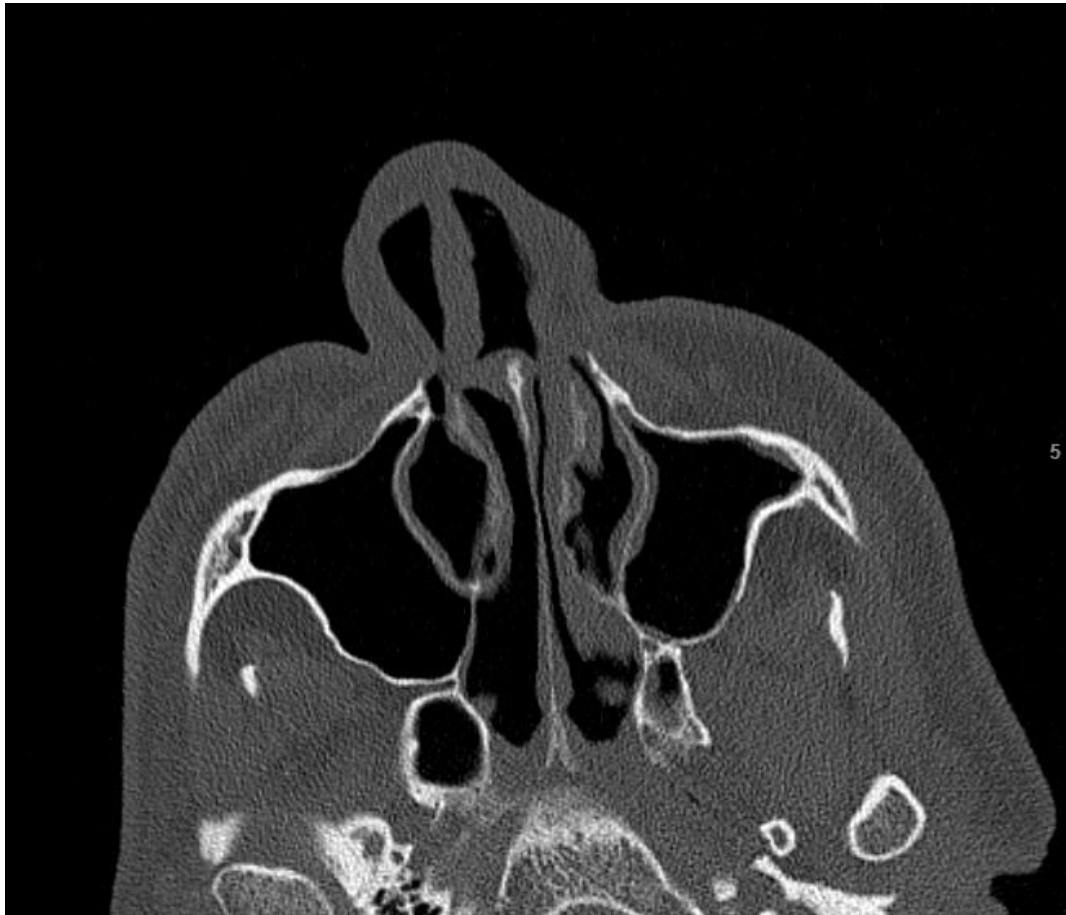




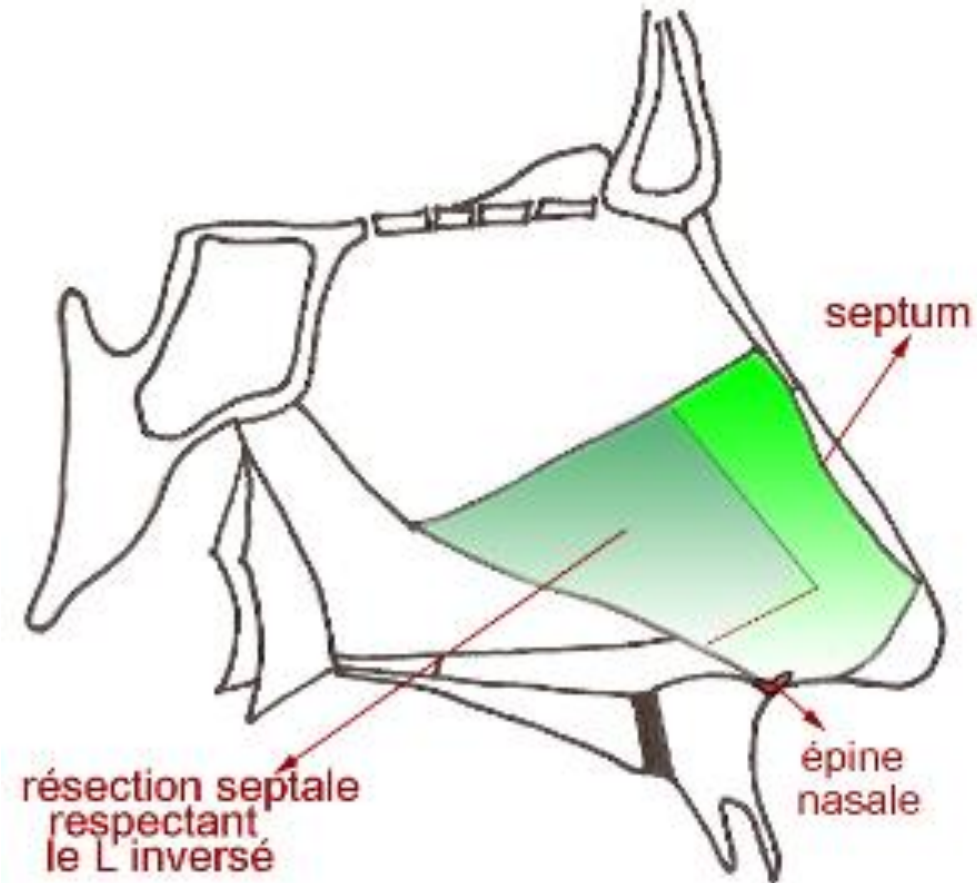
## 2. Obstruction nasale: déviation septale



## 2. Obstruction nasale: déviation septale



## 2. PEC déviation septale: septoplastie



## 2. Obstruction nasale: Valve nasale

Statique

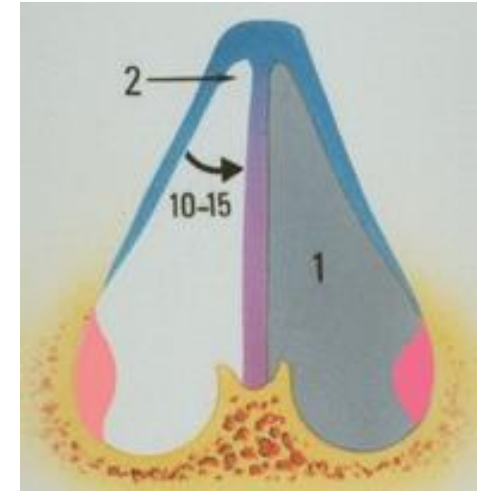
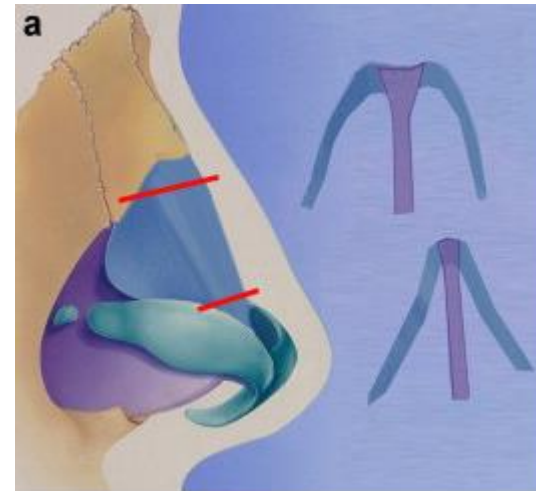
Dynamique  
(inspiration)



## 2. Obstruction nasale: Valve nasale

Statique

Dynamique  
(inspiration)



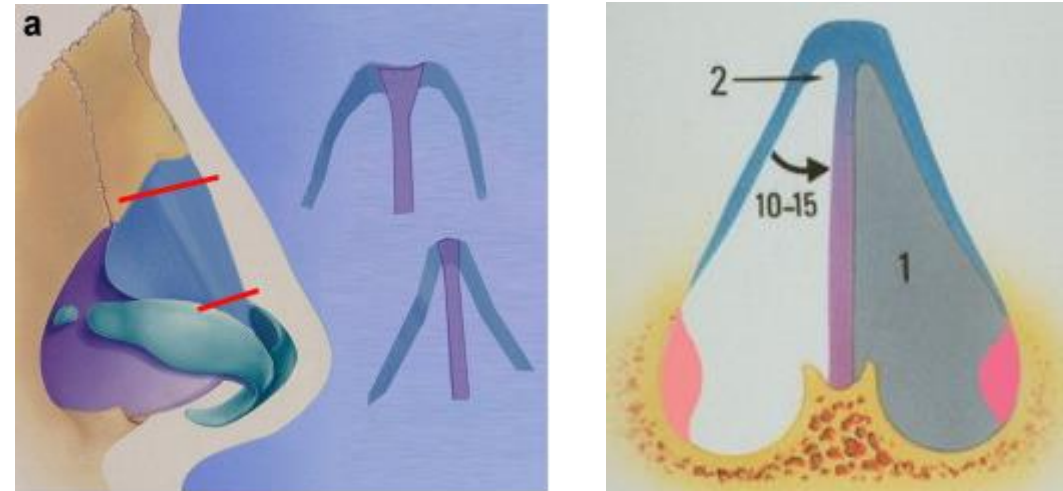
Valve interne: collapsus de l'angle septo-triangulaire

Principe de Bernoulli

## 2. Obstruction nasale: Valve nasale

Statique

Dynamique  
(inspiration)



Valve interne: collapsus de l'angle septo-triangulaire



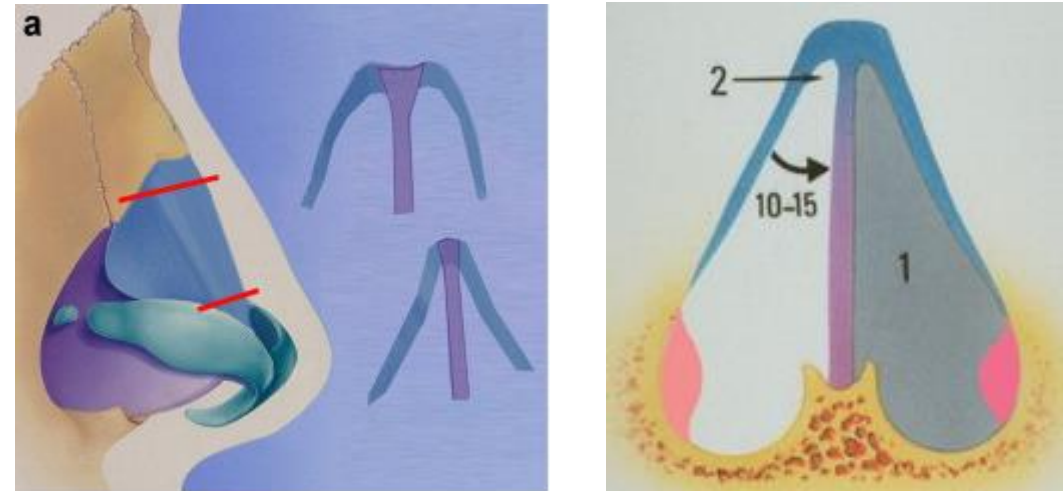
Valve externe: collapsus de l'orifice narinaire

Principe de Bernoulli

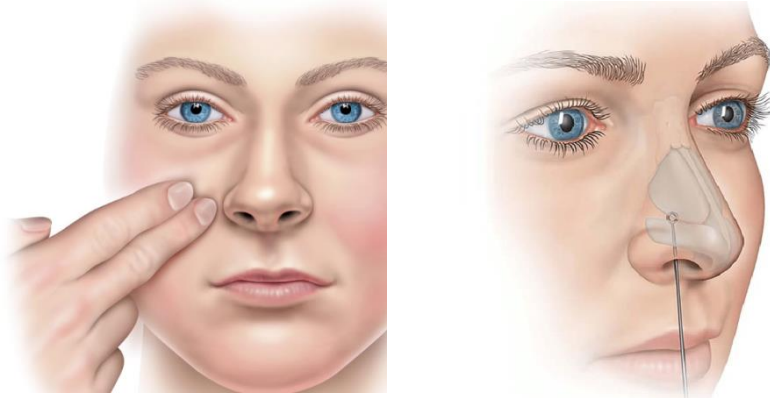
## 2. Obstruction nasale: Valve nasale

Statique

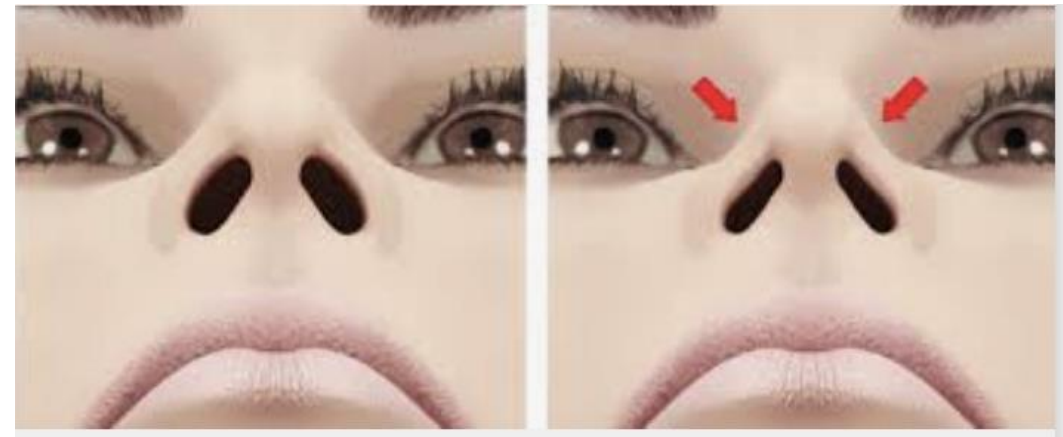
Dynamique  
(inspiration)



Valve interne: collapsus de l'angle septo-triangulaire

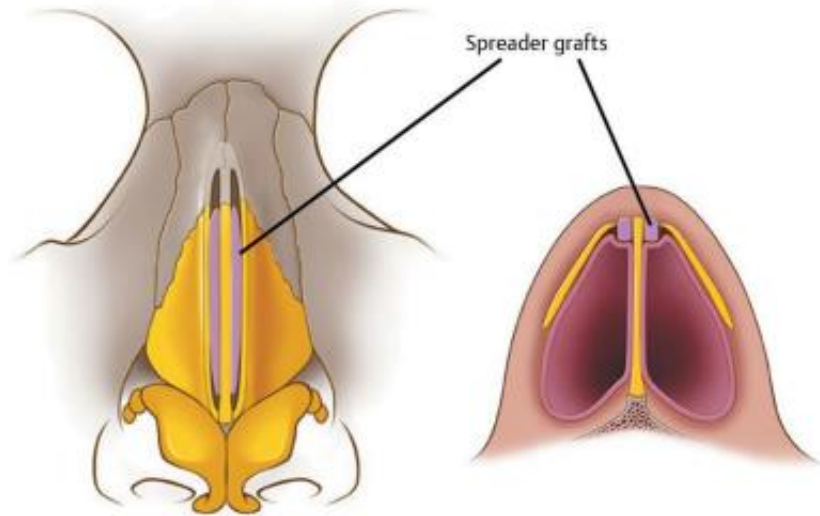


Manœuvre de Cottle et Bachmann

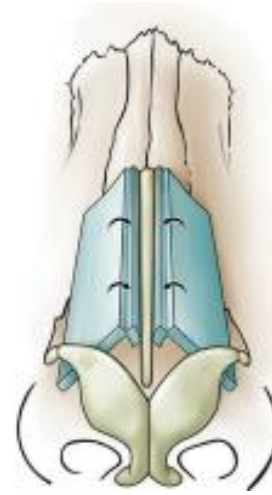


Valve externe: collapsus de l'orifice narinaire

## 2. PEC valve nasale interne



Spreader graft



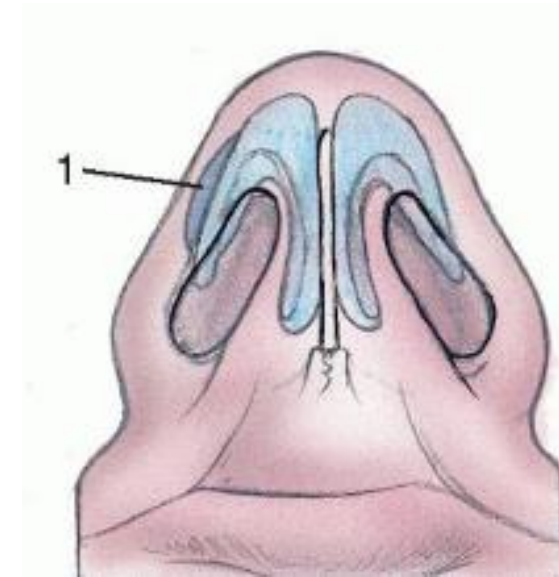
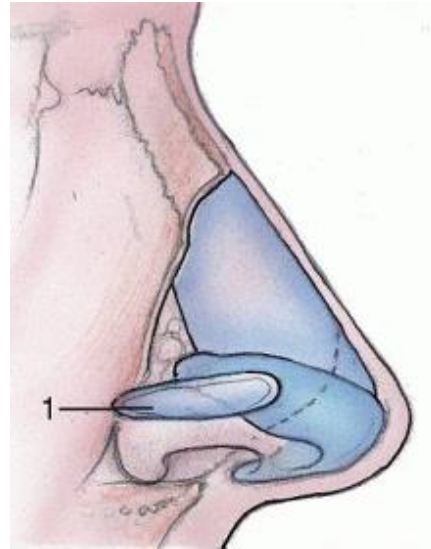
Greffons d'expansion



Spreader flap



## 2. PEC valve nasale externe



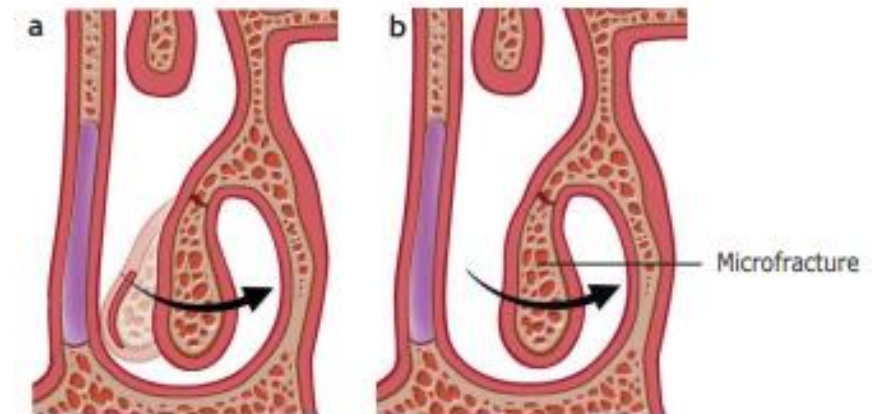
Alar batten graft

## 2. Obstruction nasale: hypertrophie turbinaire

- Concha bullosa du cornet moyen
- Hypertrophie des cornets

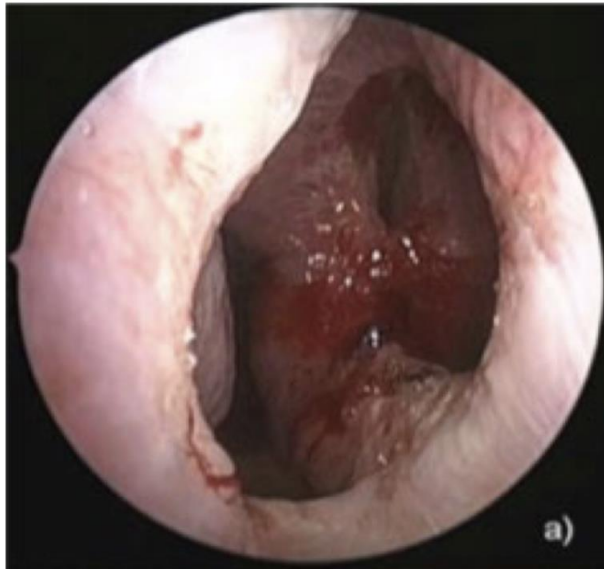
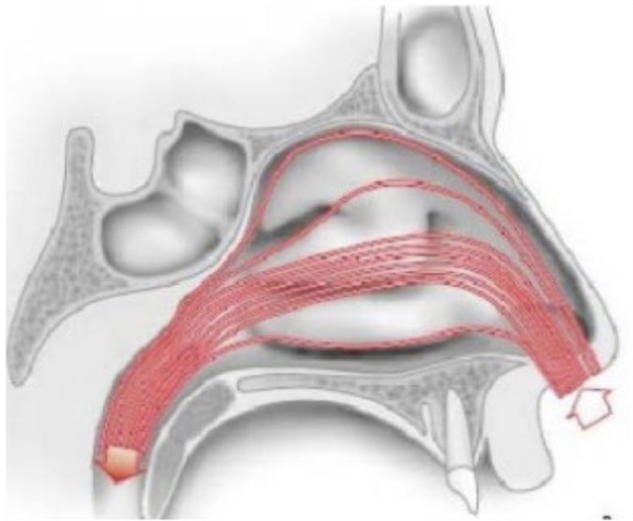
PEC:

- Latéralisation du cornet inférieur
- turbinoplastie par radiofréquence



## 2. Obstruction nasale: syndrome du nez vide

- Obstruction nasale paradoxale après réduction excessive cornets moyens et inférieurs ou perforation septale
- Physiopathologie: turbulence du flux nasal laminaire



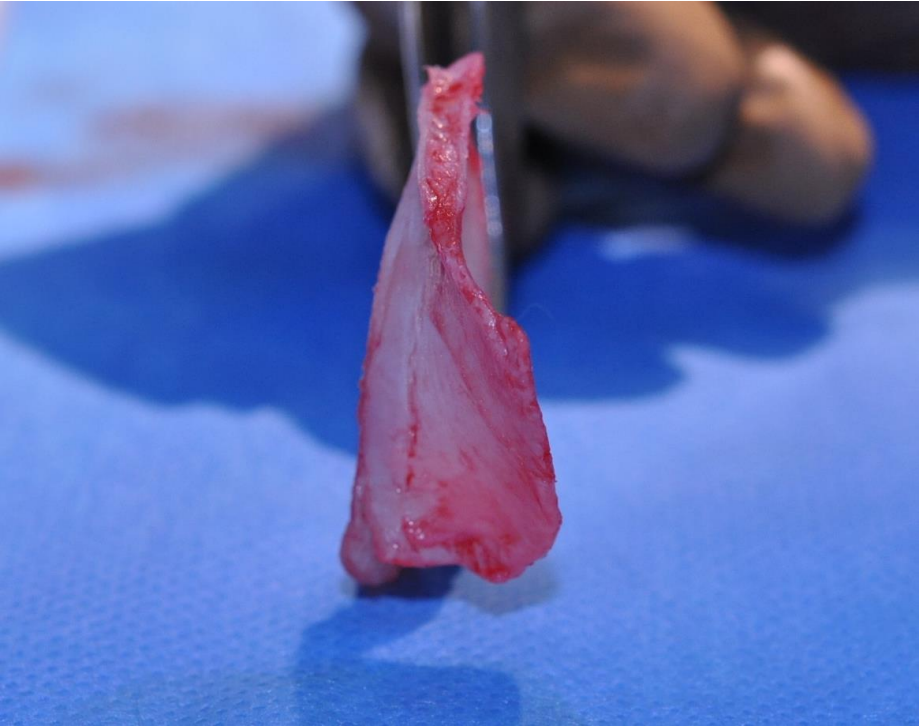
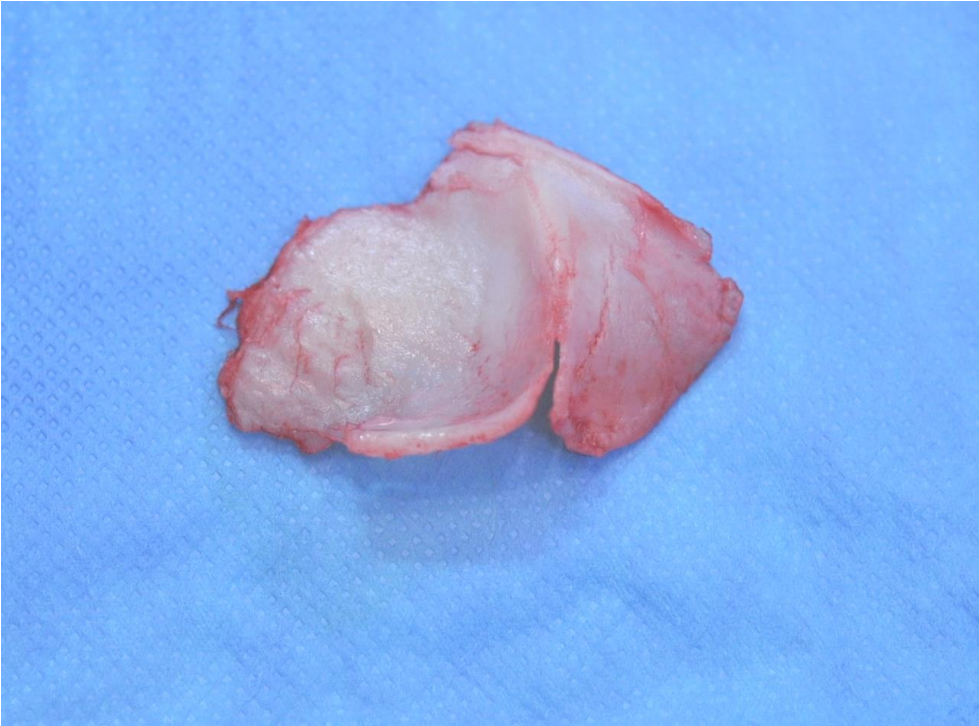
# 3. Rhinoseptoplastie fonctionnelle

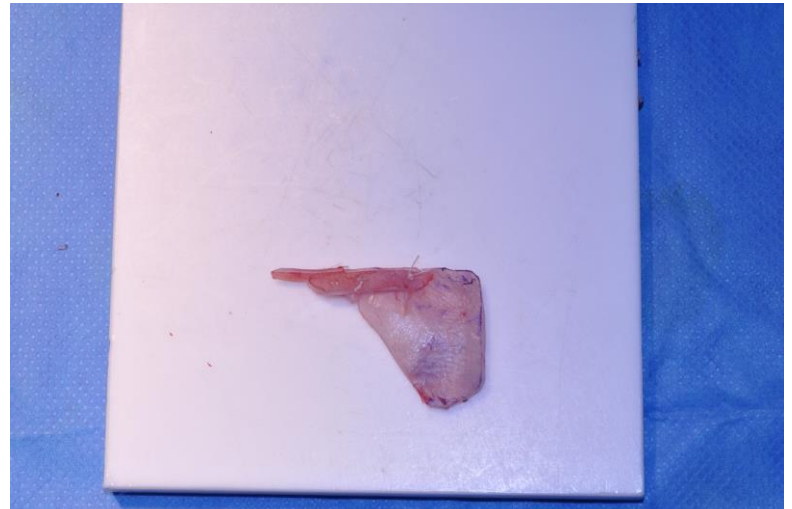
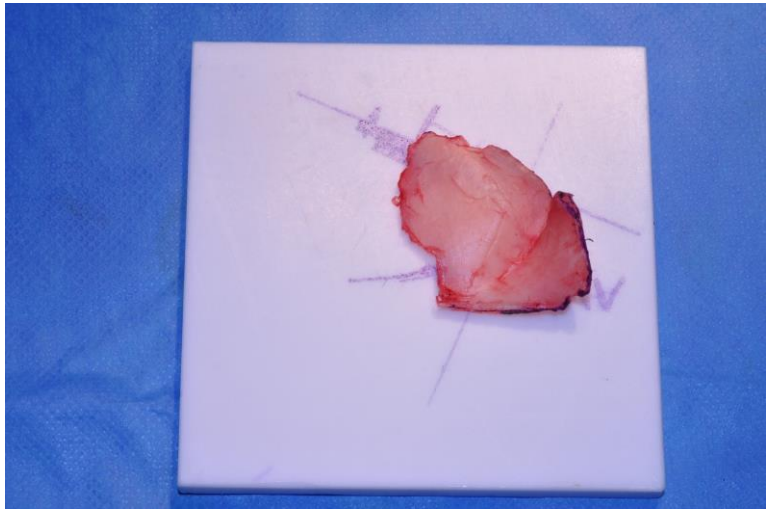
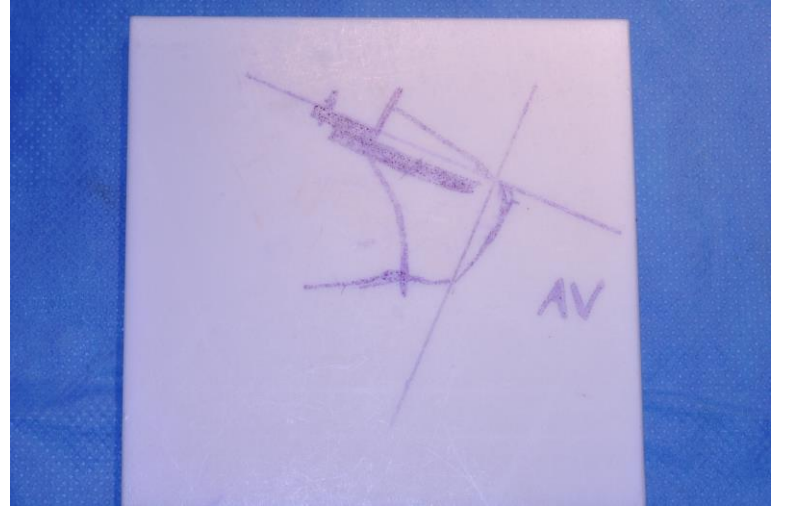
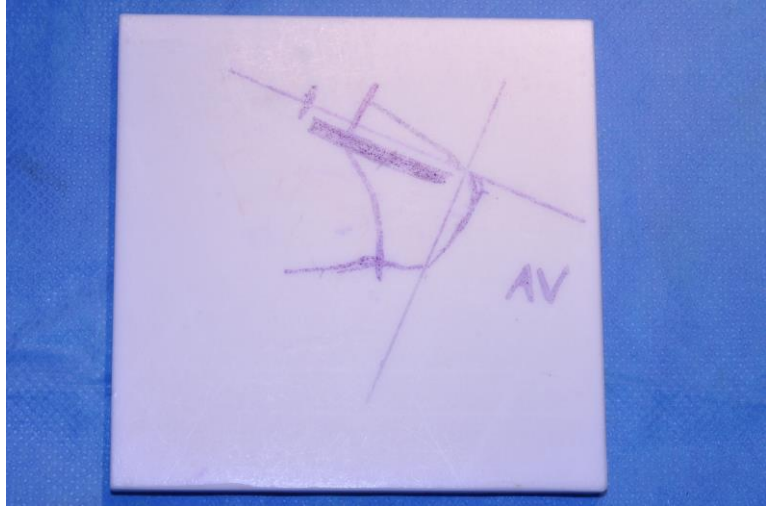
*Cas du Dr Delphine VERTU-CIOLINO*

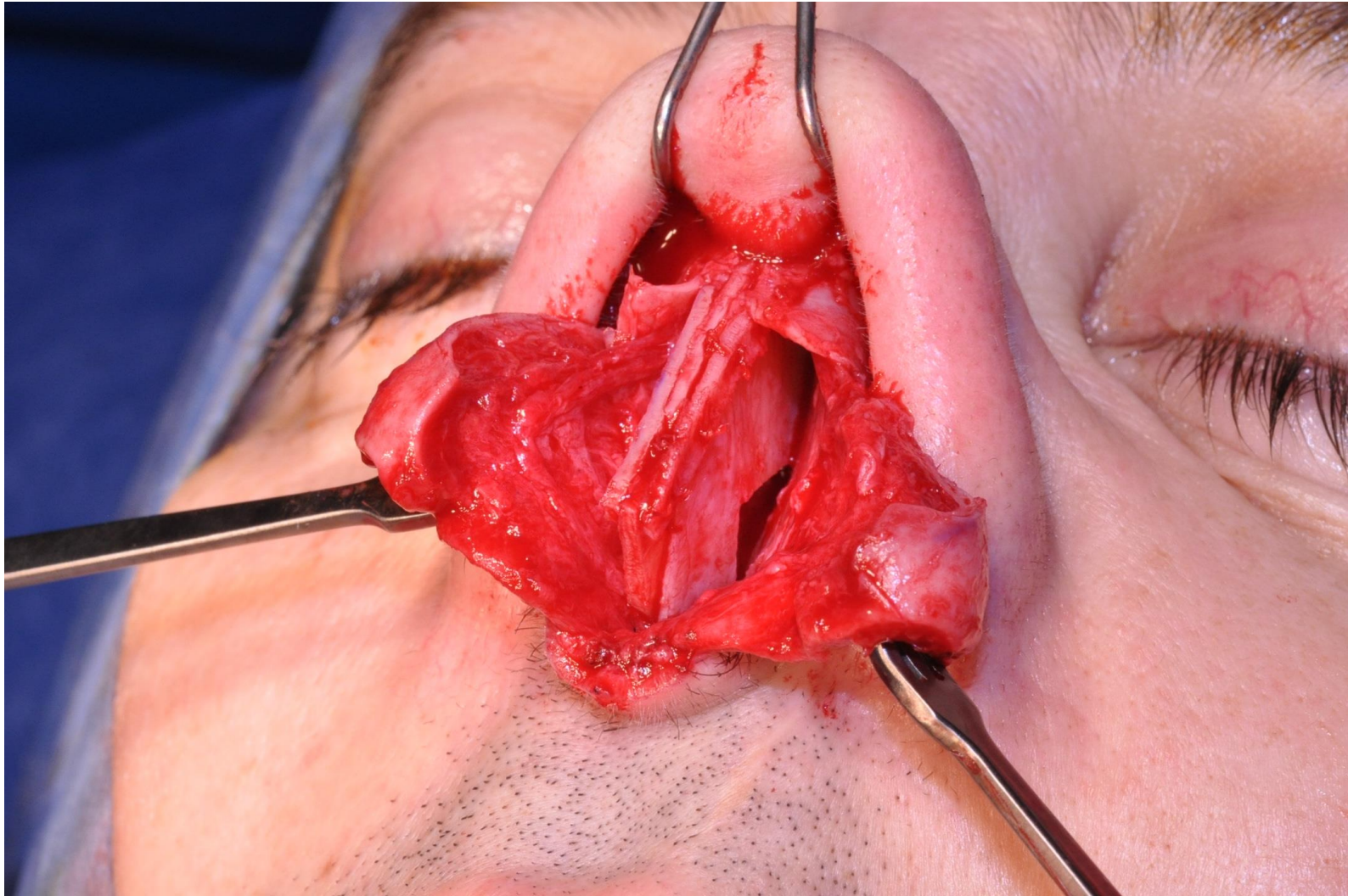


Nez sous tension

# Septoplastie extracorporelle



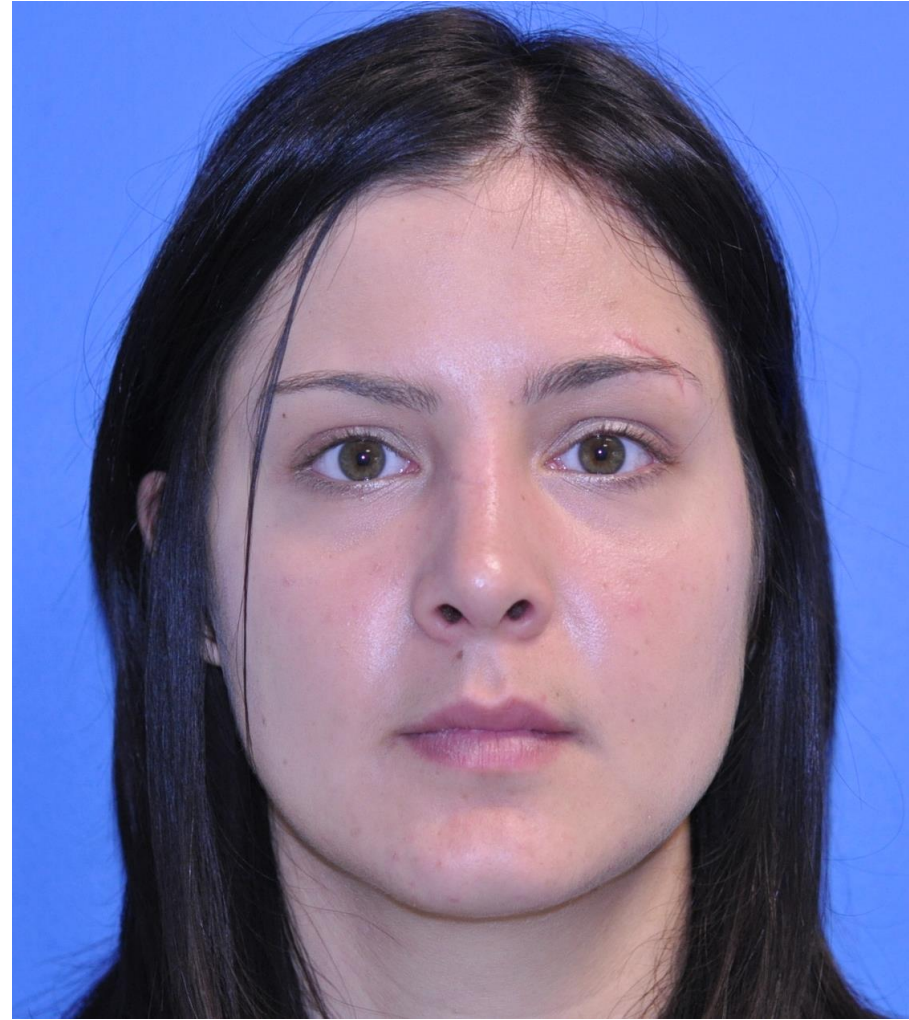








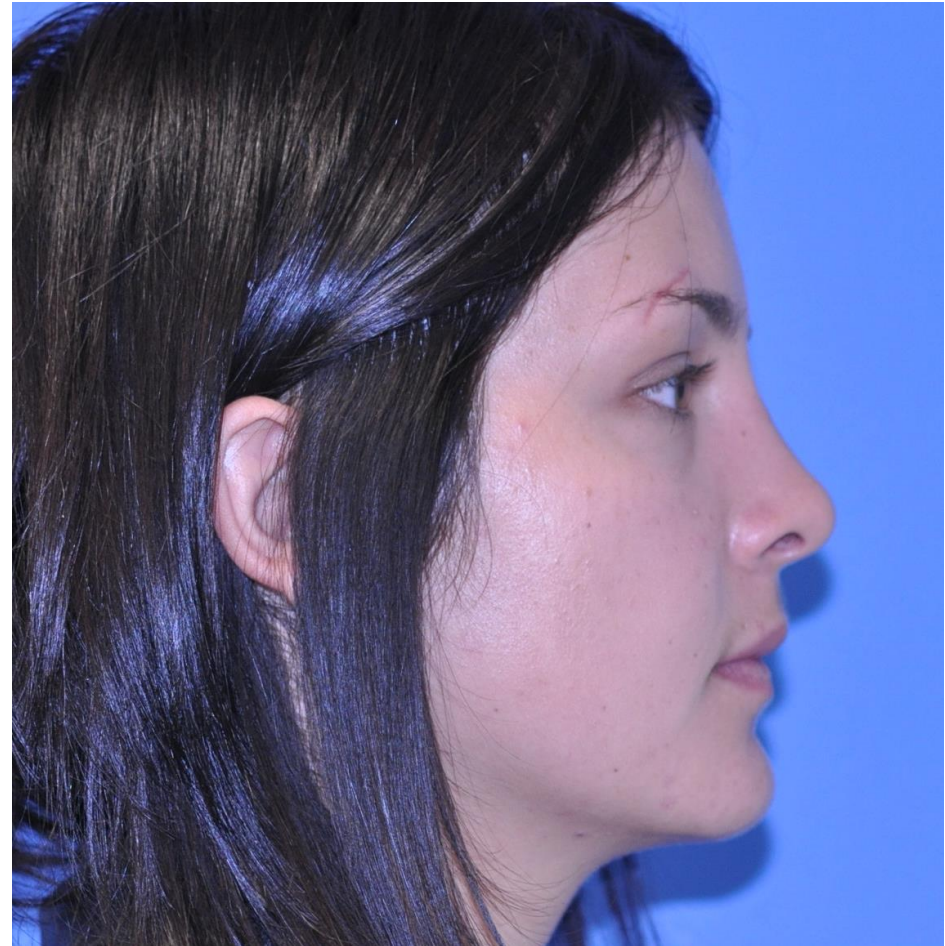
Avant



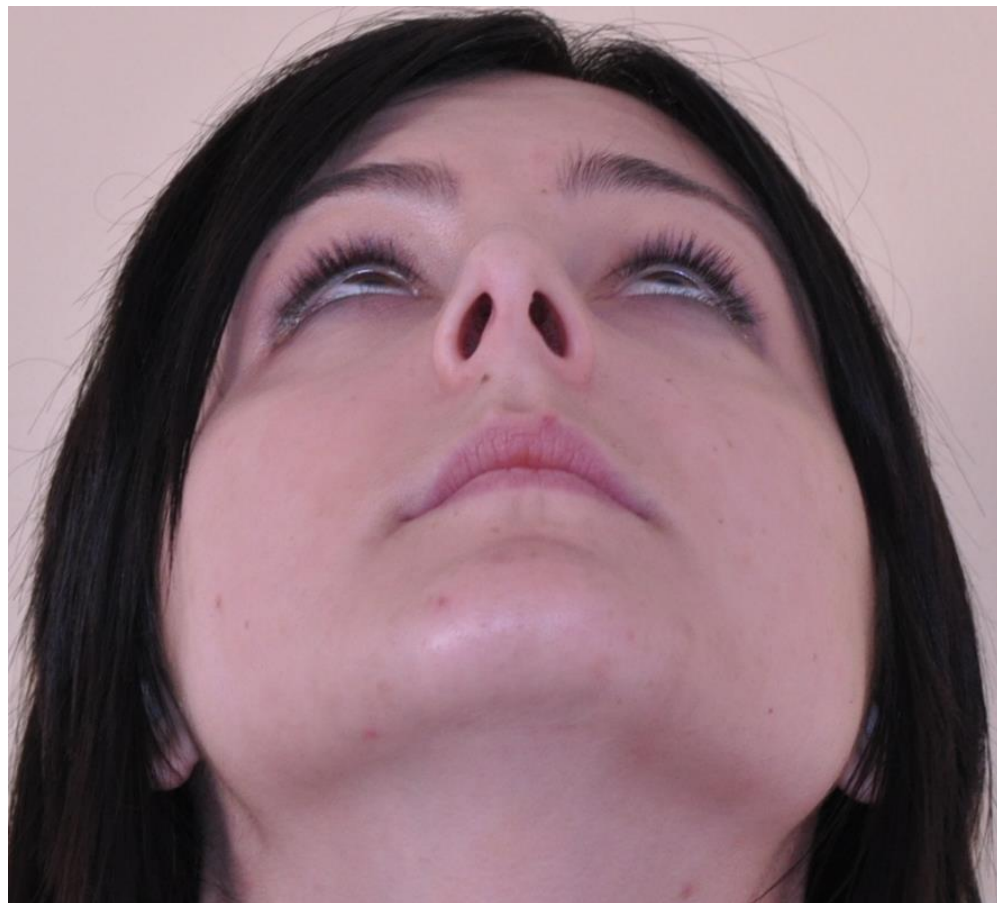
Après



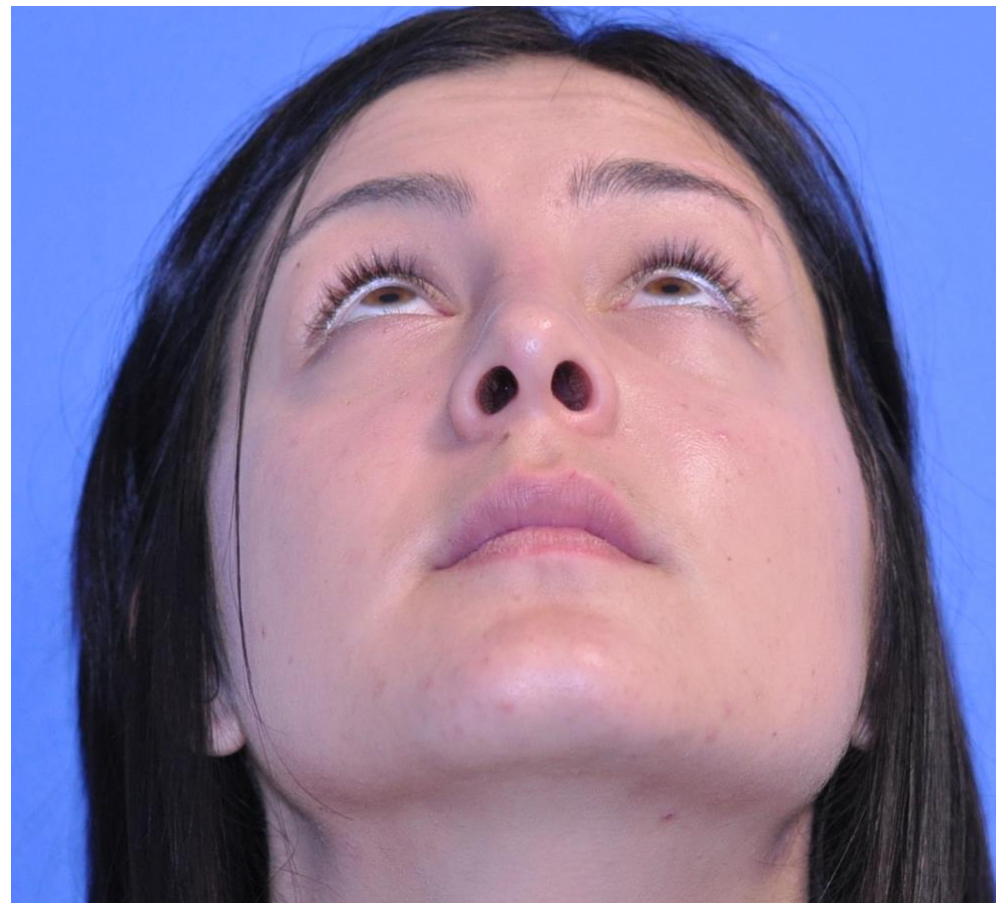
Avant



Après



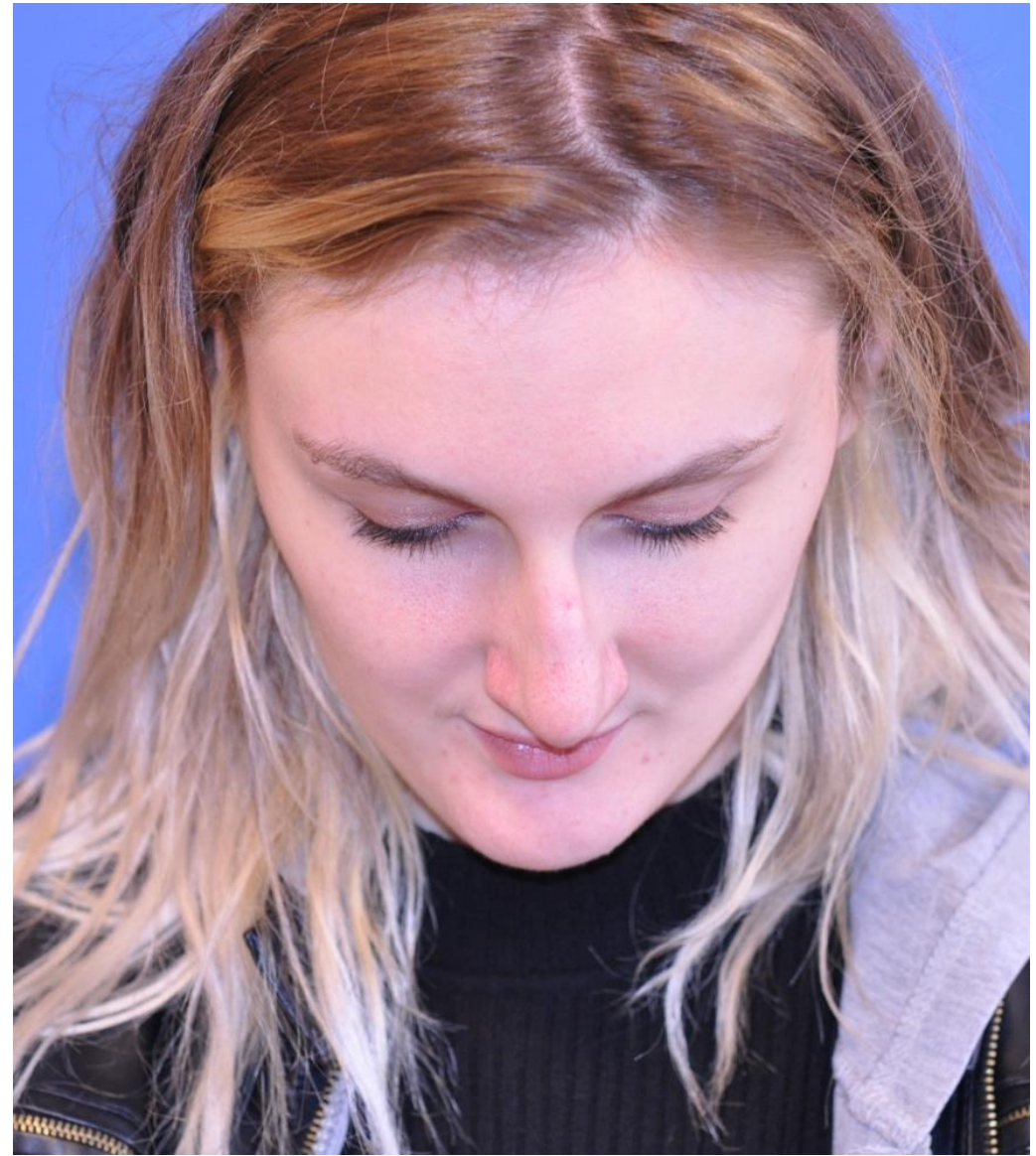
Avant



Après

# 3. Rhinoseptoplastie fonctionnelle

- Problème:
  - Septum
  - Dorsum osseux et cartilagineux
  - Valve interne et externe
- La forme rejoint la fonction
- Technique structurelle pour reconstruire le dorsum et la jonction septo triangulaire



Déformation haute du septum et déviation globale du nez



Avant



Après



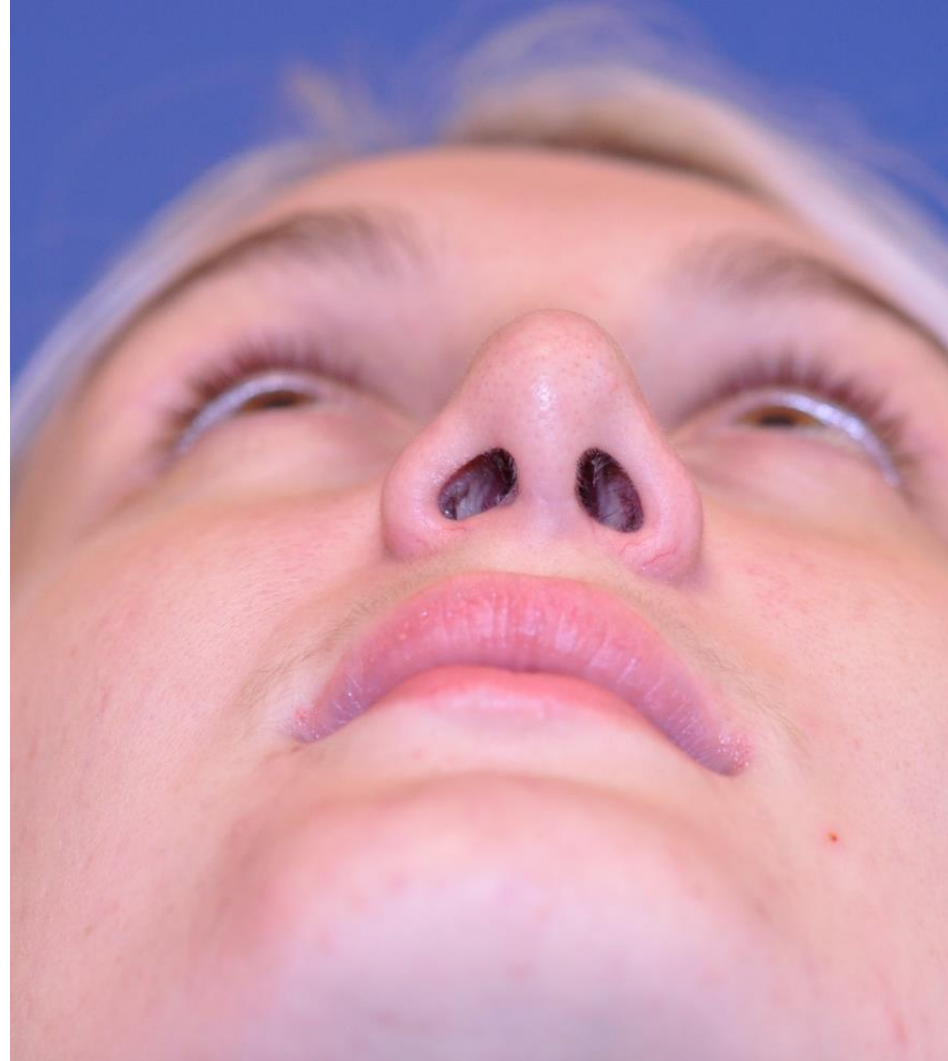
Avant



Après



Avant



Après

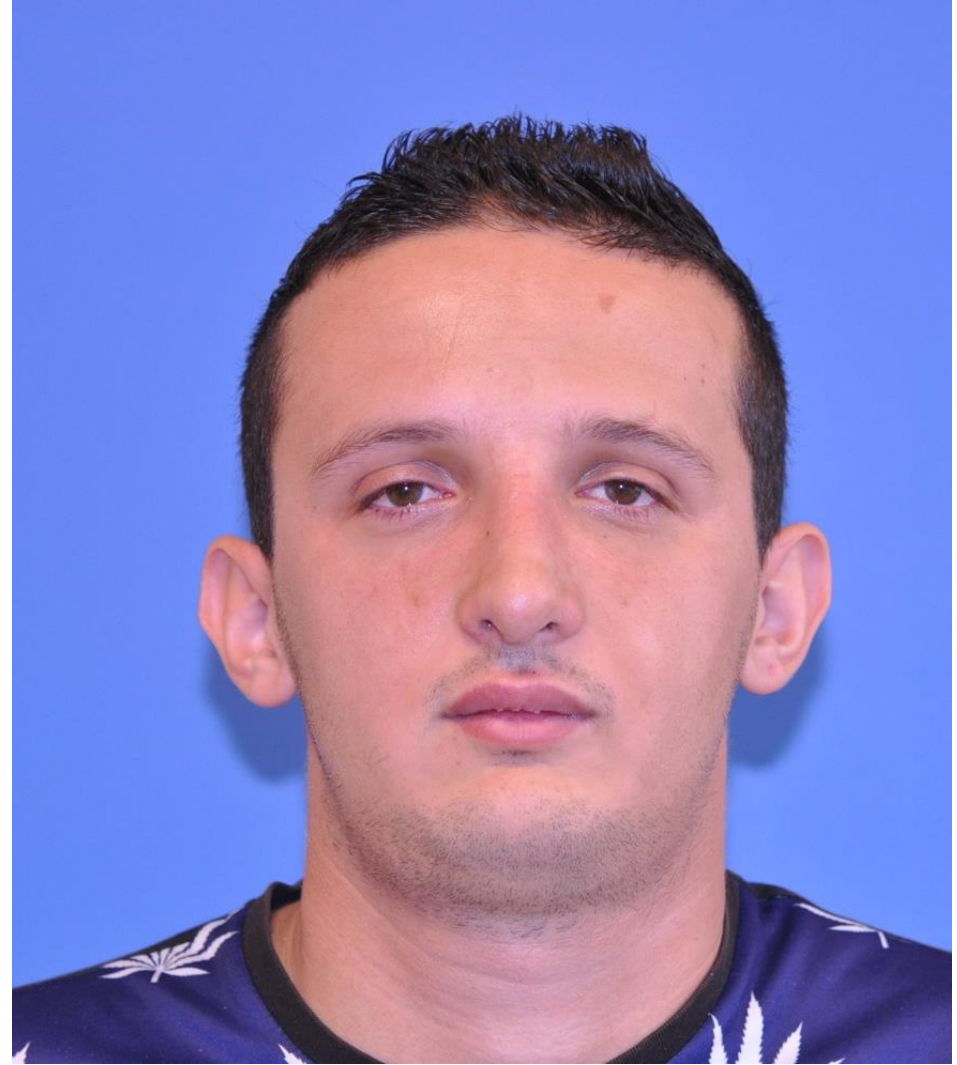




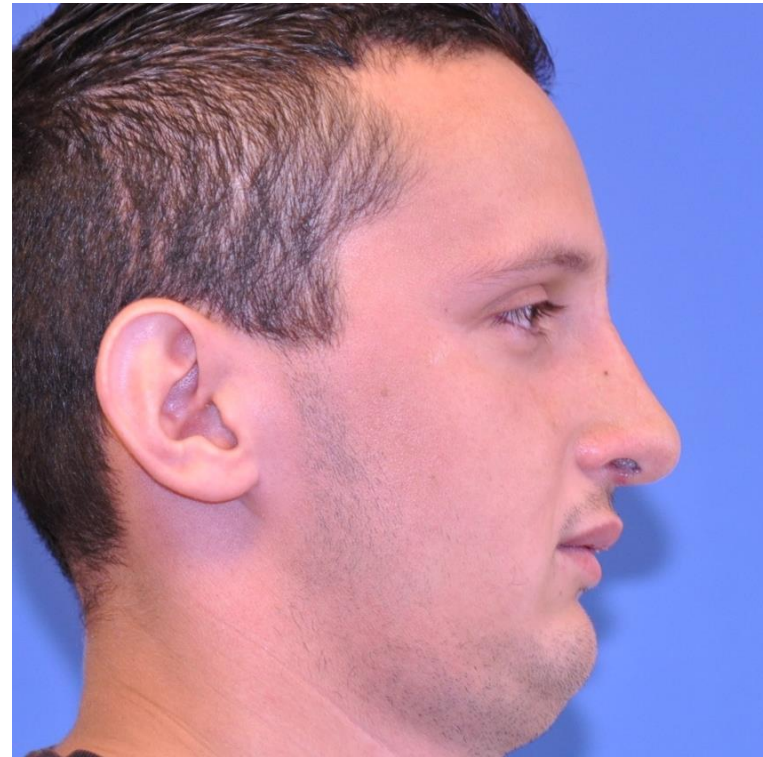
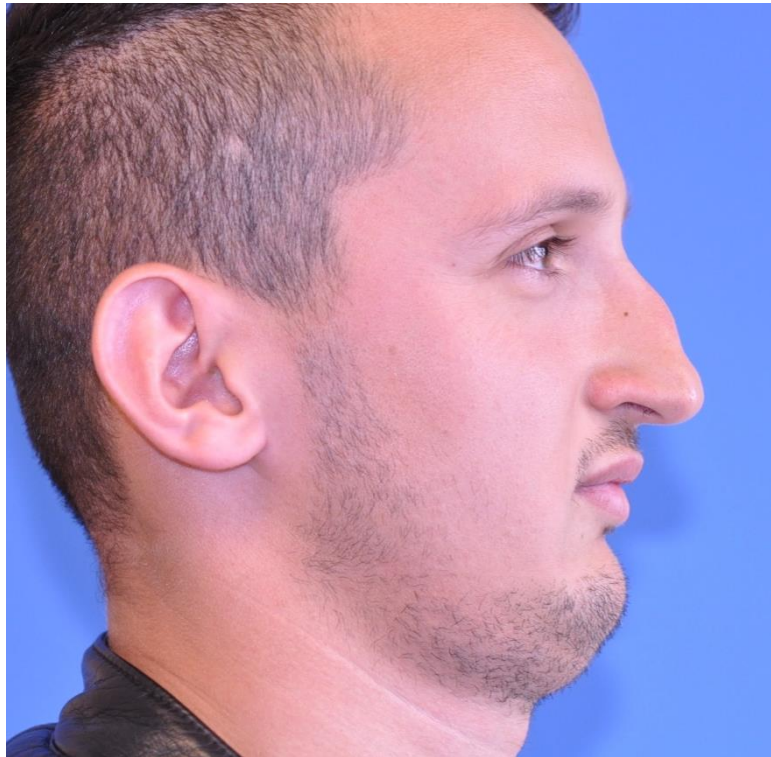
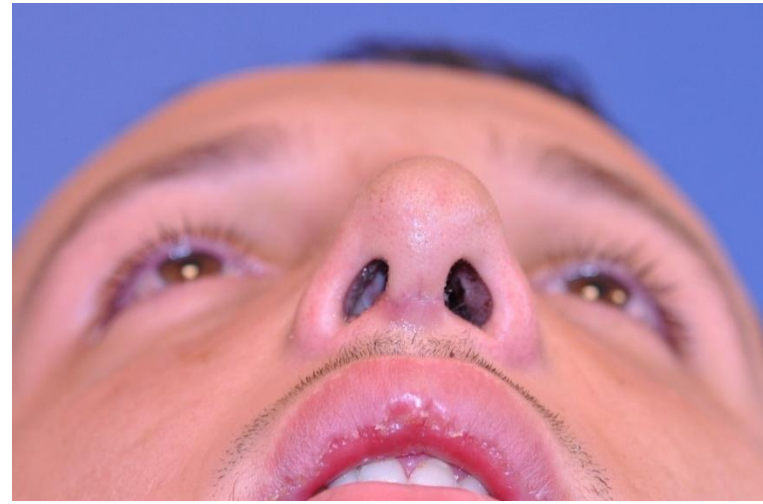
Déformations antérieures



Avant

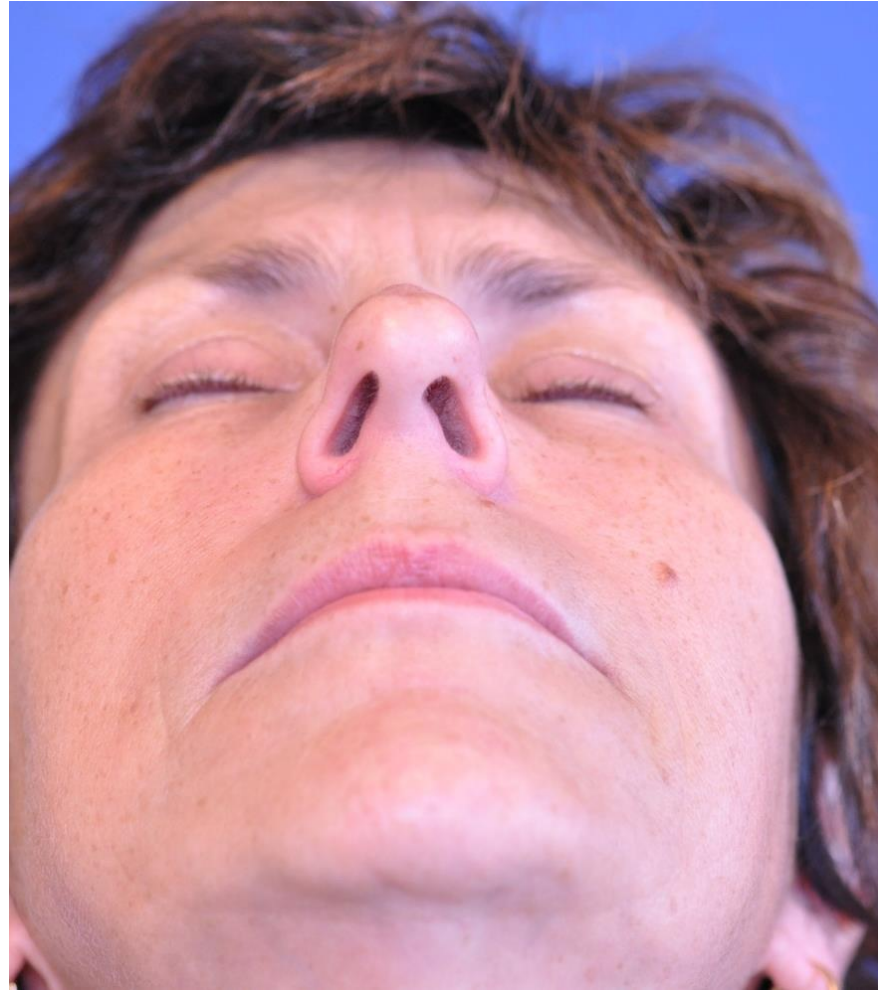


Après

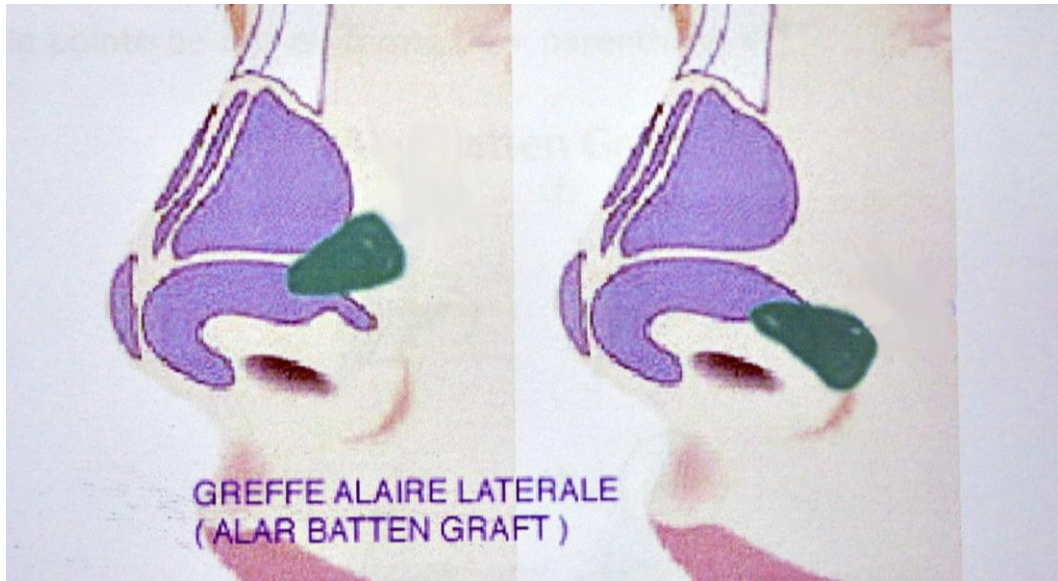


Avant

Après

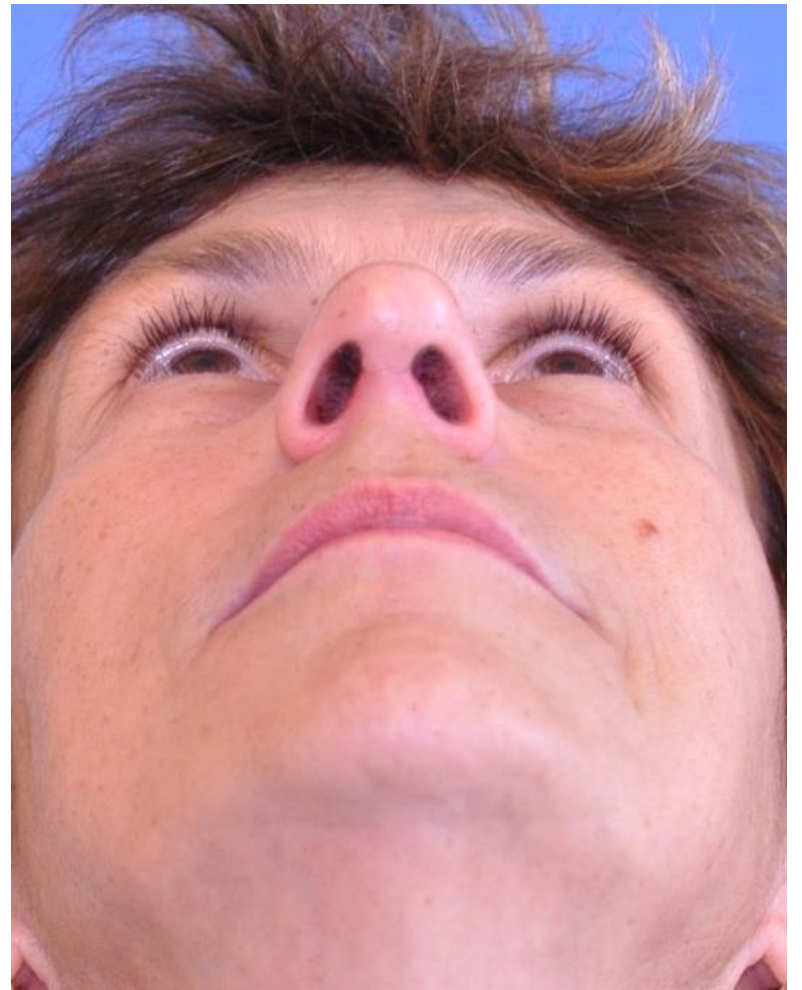


Valve nasale externe





Avant



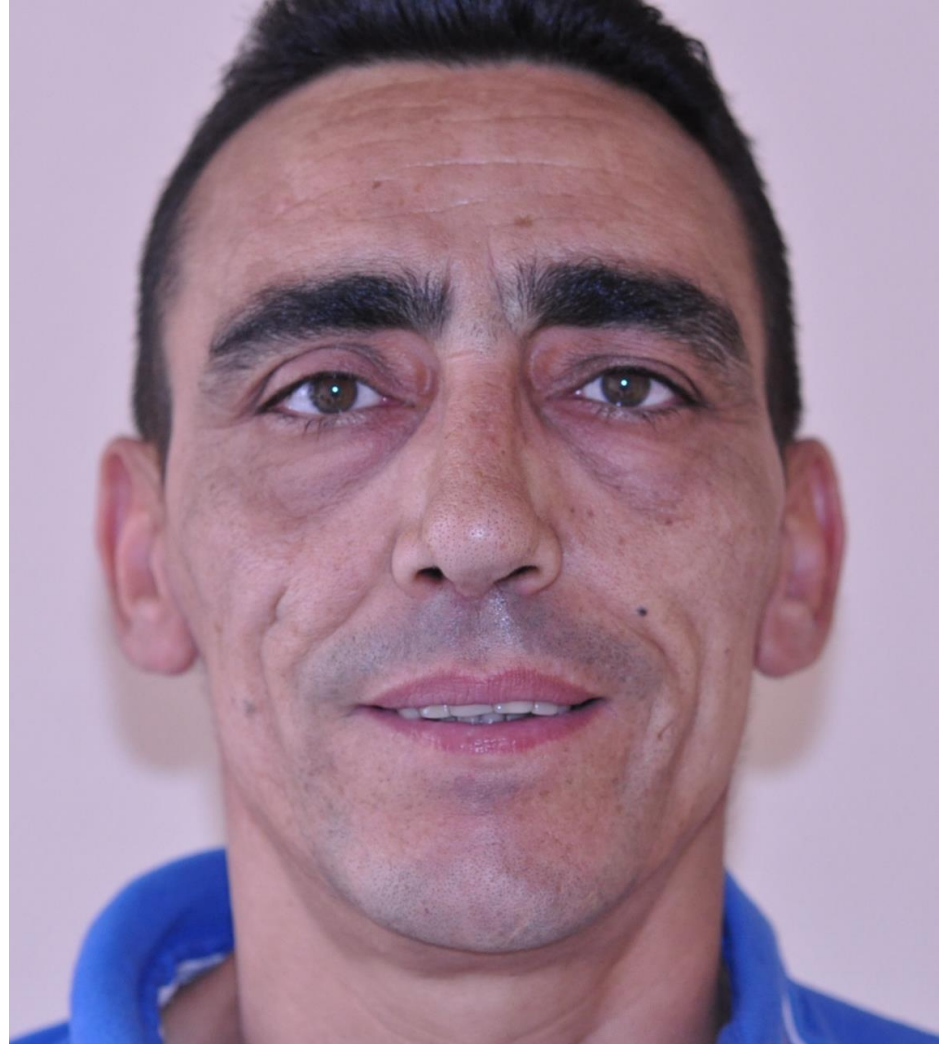
Après



Déformation post traumatique



Avant



Après



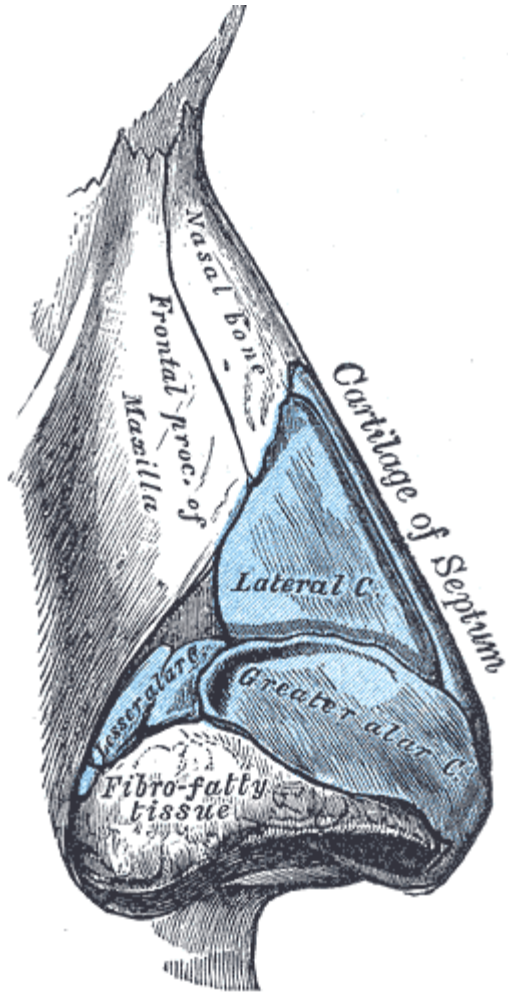


Avant



Après

# Take home message



- La forme rejoint la fonction
- Causes architecturales de l'obstruction nasale:
  - Déviation septale → **septoplastie**
  - Déviation rhino-septale
  - Syndrome de valve nasale
  - Hypertrophie turbinale → **turbinoplastie** } **Rhinoseptoplastie**
- Se méfier des causes multiples (hyperréactivité de la muqueuse+ obstruction architecturale)

Merci de votre attention