

The full edentulous prosthetic field




A. Support area

- **bone component (bone substrate);**
- **fixed mucosa.**

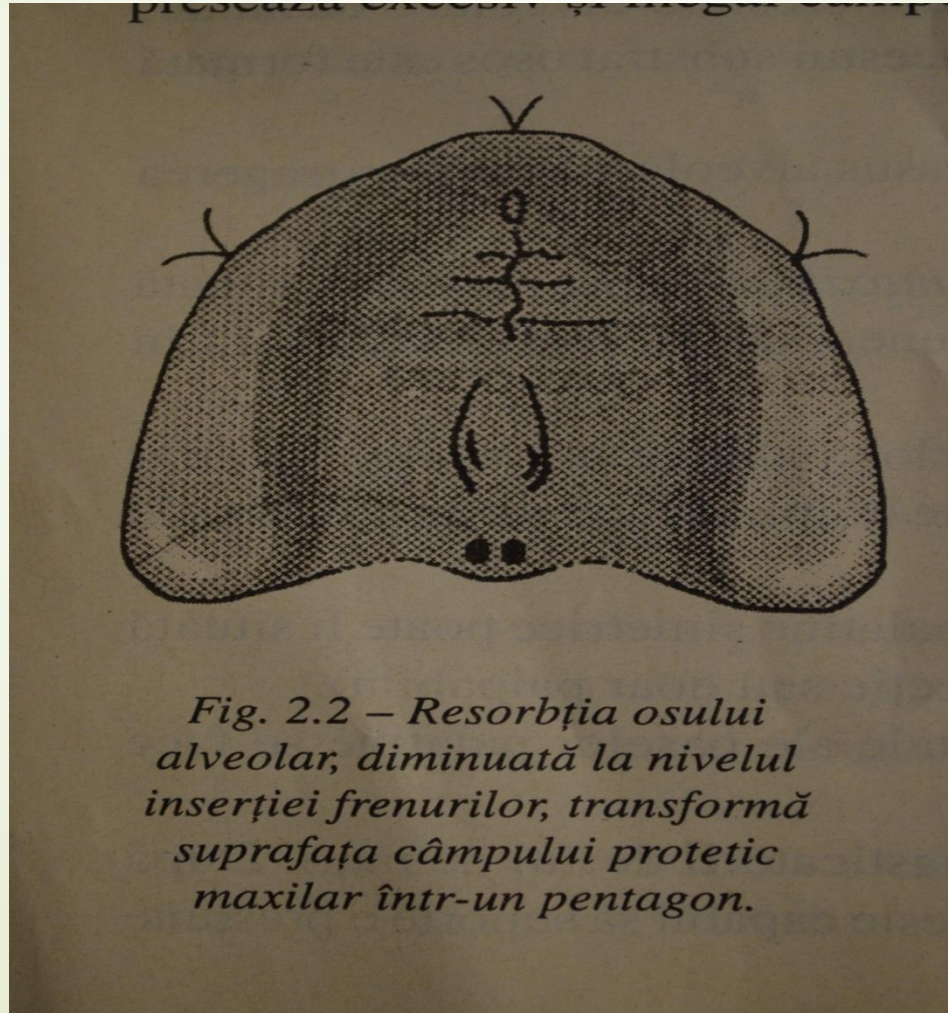
B. Suction zone (marginal, valve closure)

- **located at the periphery of the support area;**
- **oral mucosa from the vestibular and lingual sac;**
- **the mobile mucosa of the cheeks, tongue and lips, which contacts the outer surface of the dentures;**
- **movable passive mucosa (neutral area);**
- **transition area from the hard to the soft palatum (Ah line)**

The support area of maxillary prosthetic field


- edentulous alveolar ridge
 - maxillary tuberosities
 - palatal vault
 - palatal torus
- 


Maxillary prosthetic field






Edentulous alveolar ridge

- high (13-15 mm);
 - medium (6-12 mm);
 - reduced (<6 mm).
- 




Edentulous alveolar ridge (external slope)

- neutral
 - retentiv
 - non retentiv
- 




Maxillary tuberosities

- Vestibular
 - Distal
 - Caudal
- 





Palatal vault

- deep
 - medium
 - flat
- 




Palatal torus (by Landa)

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- I. Posterior rounded.
 - II. Posterior extended, elongated.
 - III. Antero-median elipsoidal, prominent.
 - IV. Anterior elongated, narrow.
 - V. Antero-posterior extended.



Evolution of maxillary bone supporting area in total edentia

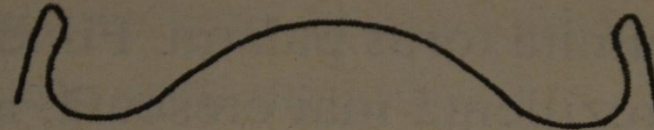
1. High alveolar ridge + retentive external slope
 2. Medium alveolar ridge + neutral external slope
 3. Reduced alveolar ridge + non retentive external slope
- 



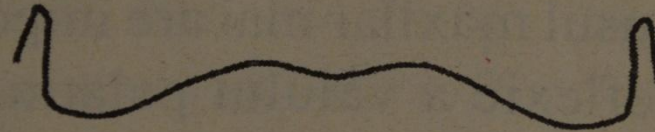
Alveolar ridge - palatal vault correlation

1. High, retentive alveolar ridge → deep palatal vault
2. Medium, neutral alveolar ridge → medium palatal vault
3. Reduced, non retentive alveolar ridge → flat palatal vault

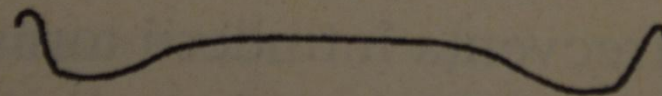
Alveolar ridge - palatal vault correlation



Creste retentive, boltă adâncă




Creste neutre, boltă medie, torus prezent

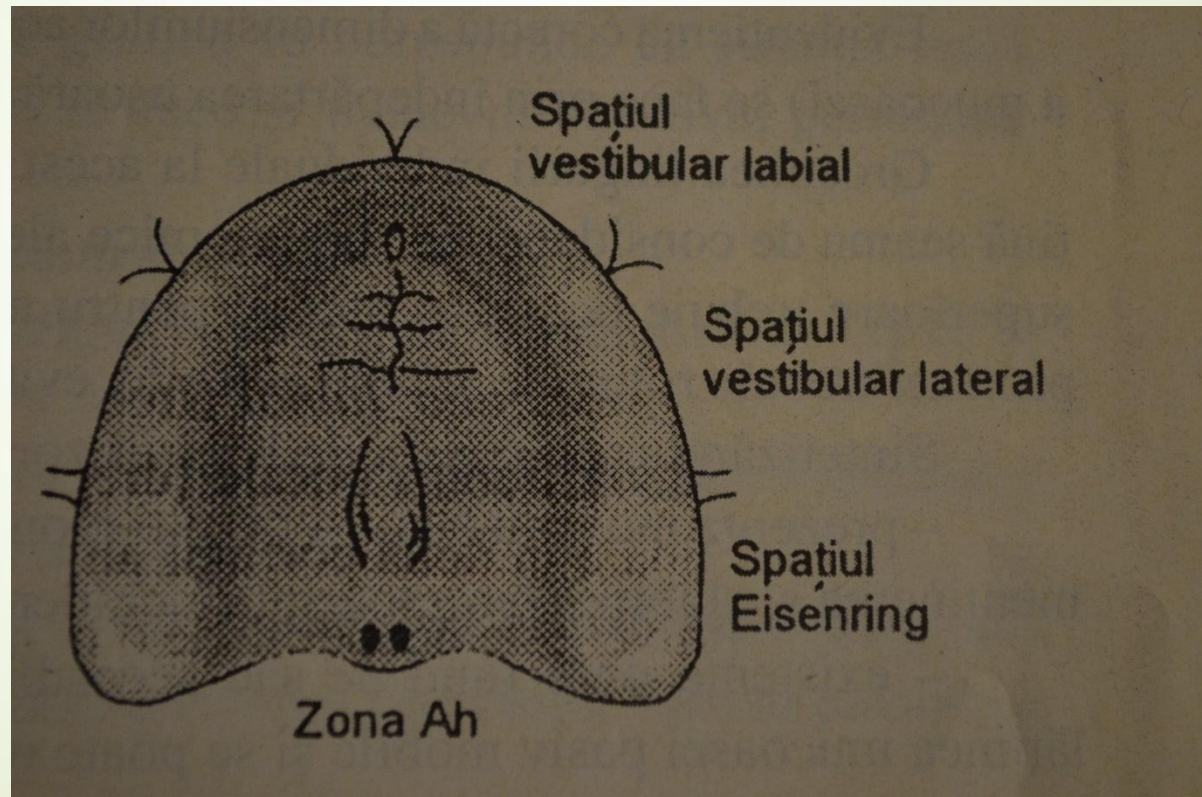


Creste neretentive, cu atrofie marcată, boltă plată

Maxillary marginal area

- ❖ movable passive mucosa
 - ❖ movable mucosa
 - ❖ peripheral functional areas:
 - ✓ vestibular central area
 - ✓ vestibular lateral area
 - ✓ Eisenring pocket (retrozygomatic space)
 - ✓ distal functional area (Ah line)
- 

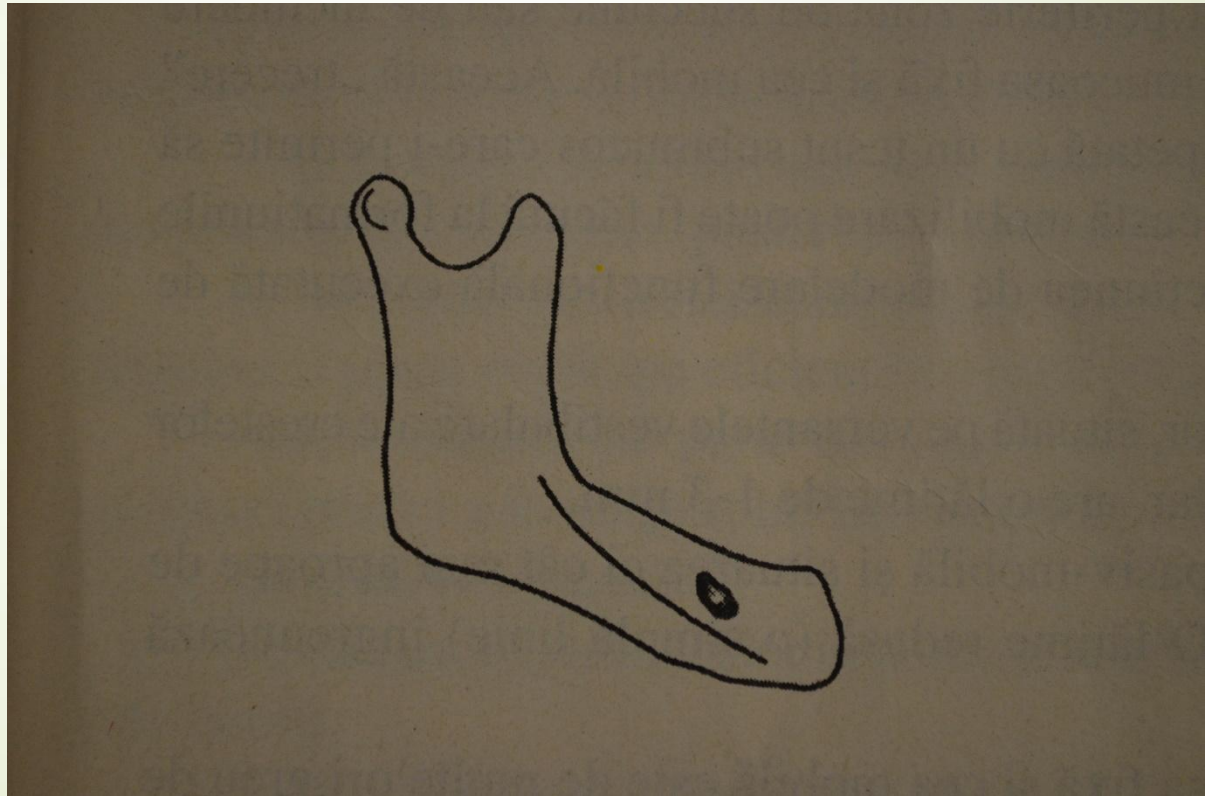
Peripheral functional areas



Mandibular prosthetic field

- ❖ Support area
 - ✓ edentulous alveolar ridge;
 - ✓ external skew line;
 - ✓ Internal skew line (milohioidian line)
 - ✓ mandibular torus;
 - ✓ retromolar triangle.

Mandibular prosthetic field

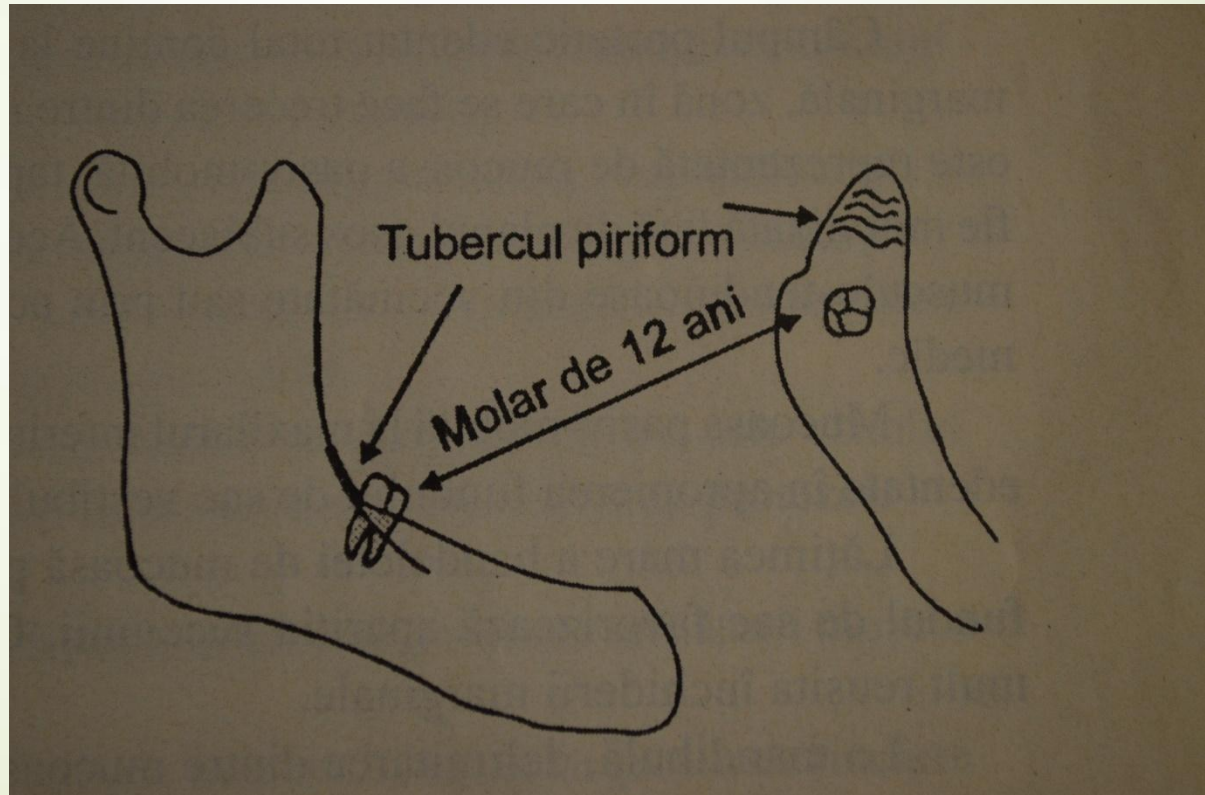


Mandibular prosthetic field

- ❖ Mucosal support area
- ✓ fixed mucosa
- ✓ pyriform tuberculum area



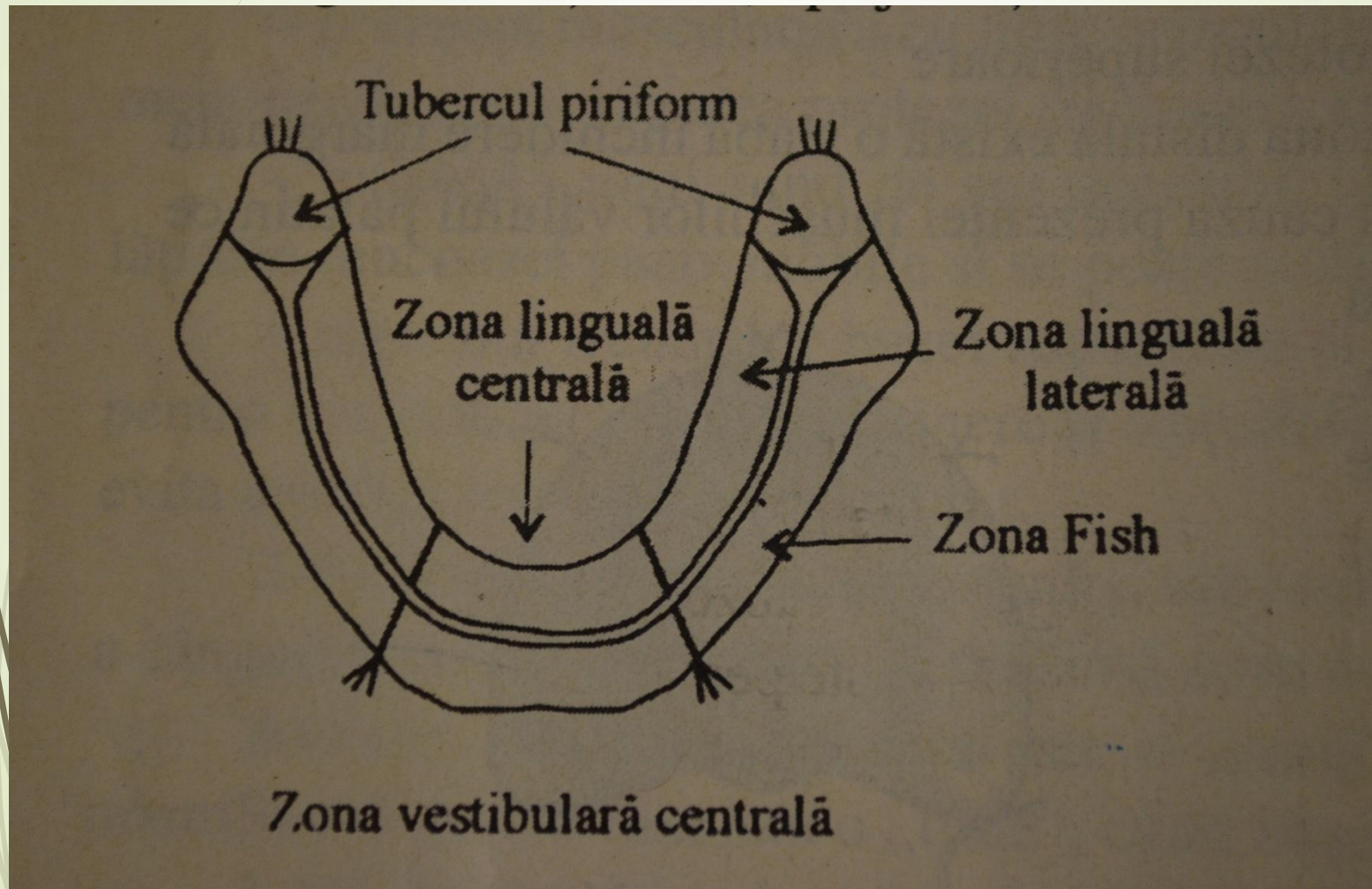
Pyriform tuberculum area



Mandibular marginal area

- ❖ movable passive mucosa
- ❖ movable mucosa
- ❖ peripheral functional areas:
 - ✓ vestibular central (labial);
 - ✓ vestibular lateral (Fish area);
 - ✓ lingual central;
 - ✓ lingual lateral;
 - pyriform tuberculum area

Mandibular marginal area



Lateral lingual area

