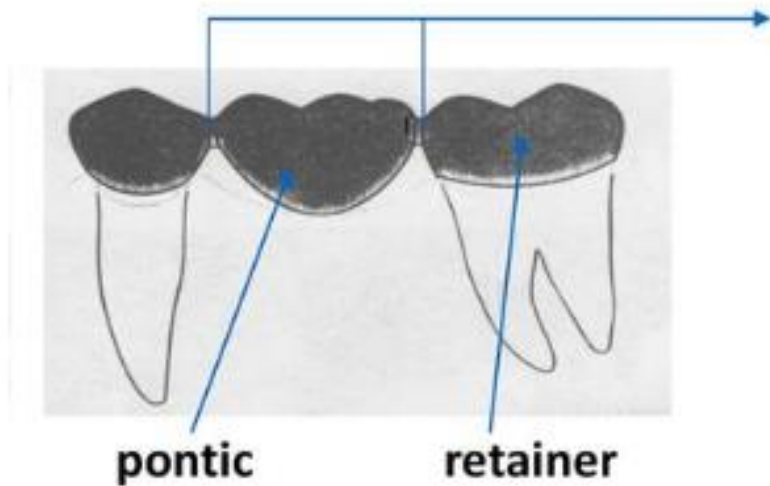


# ▶ ***PONTIC & pontic design***

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# The pontic

**Pontics are the artificial teeth in a fixed partial prosthesis, that replace the lost natural teeth, and restore function and appearance.**



**Rigid connector**



# Functions of the Pontic

## 1-Mastication

the pontic provides hard surfaces against which food can be chewed by teeth in the opposing arch

## 2- Speech (phonetics)

A space created by the loss of tooth alters the pattern of airflow making normal speech difficult.

Pontic helps to restrict air passage through edentulous area to aid in the reestablishment of normal **sounds**



### 3 -Maintenance of tooth relationship

when missing teeth are not replaced, the teeth posterior to areas can move forward from their normal position , its also possible for teeth anterior to and opposing edentulous spaces to drift distally and occlusally into open area.



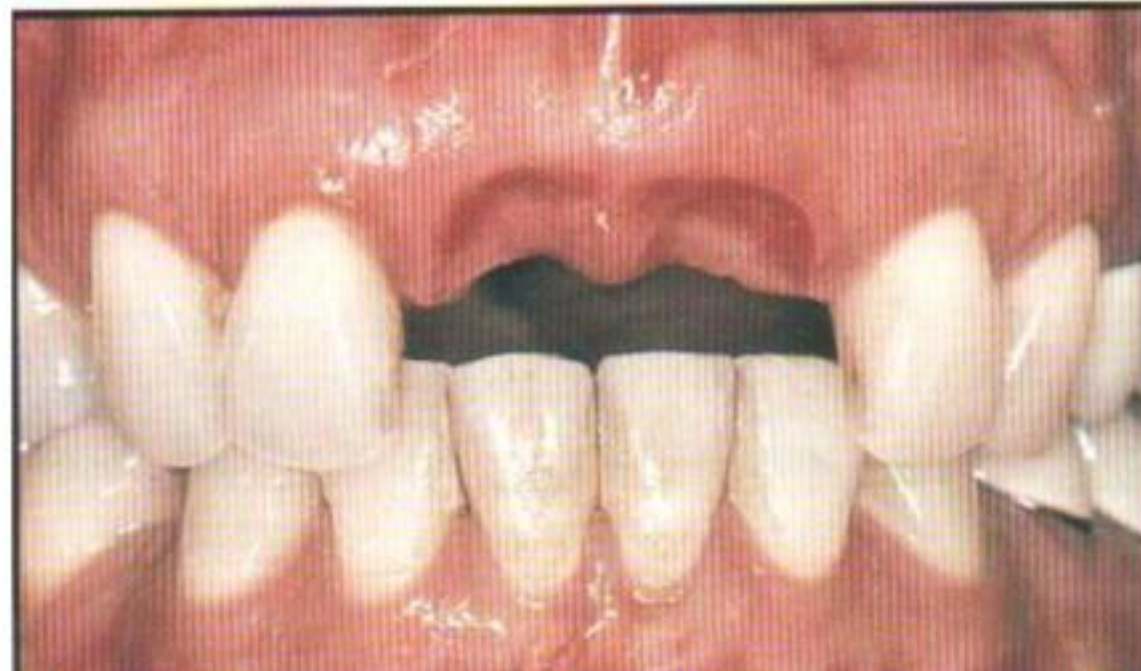
- Pontics maintain the integrity of dental arches by preventing teeth that are adjacent to and opposing an edentulous area from moving out of their relationship.



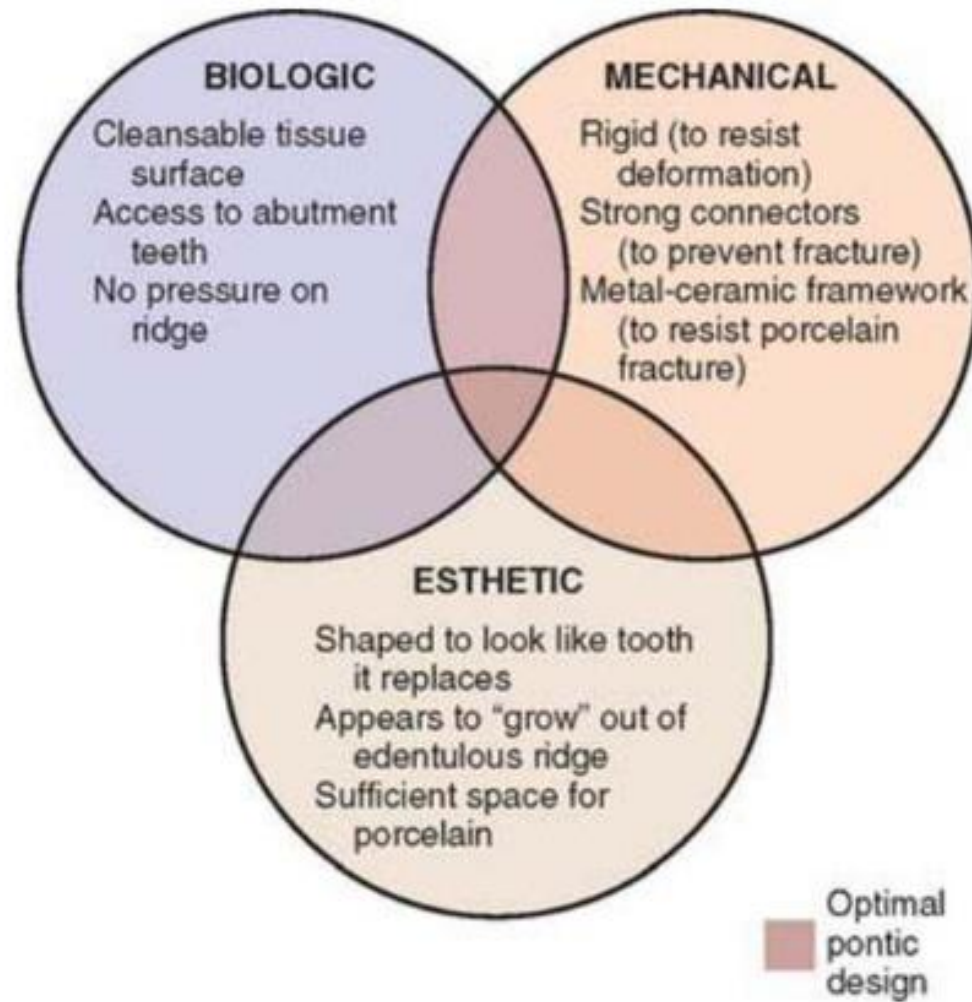
## 4- Esthetics

Dental esthetics affects personal appearance , the presence of a full complement of teeth with a natural appearance is important to an individual's self image .

-Pontics , fill in the empty spaces that would be observed during talking and smiling, provide support for lips and cheeks to allow normal facial form.



# Considerations For A Successful Pontic Design



# Biologic considerations

- Ridge Contact

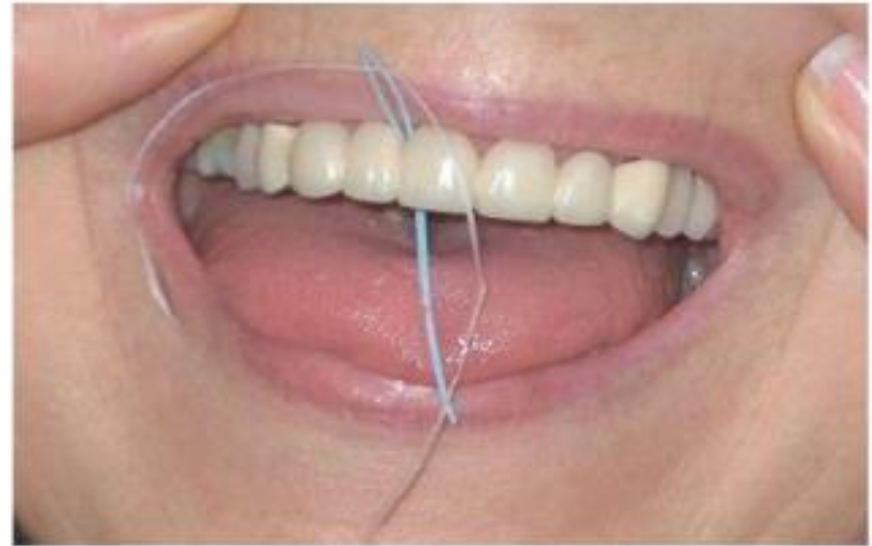
Area of contact with ridge should be small and convex.





# BIOLOGIC CONSIDERATIONS

- Oral hygiene considerations



# Mechanical considerations

Avoid:

- Improper choice of materials
- Poor framework design
- Poor tooth preparation
- Poor occlusion