

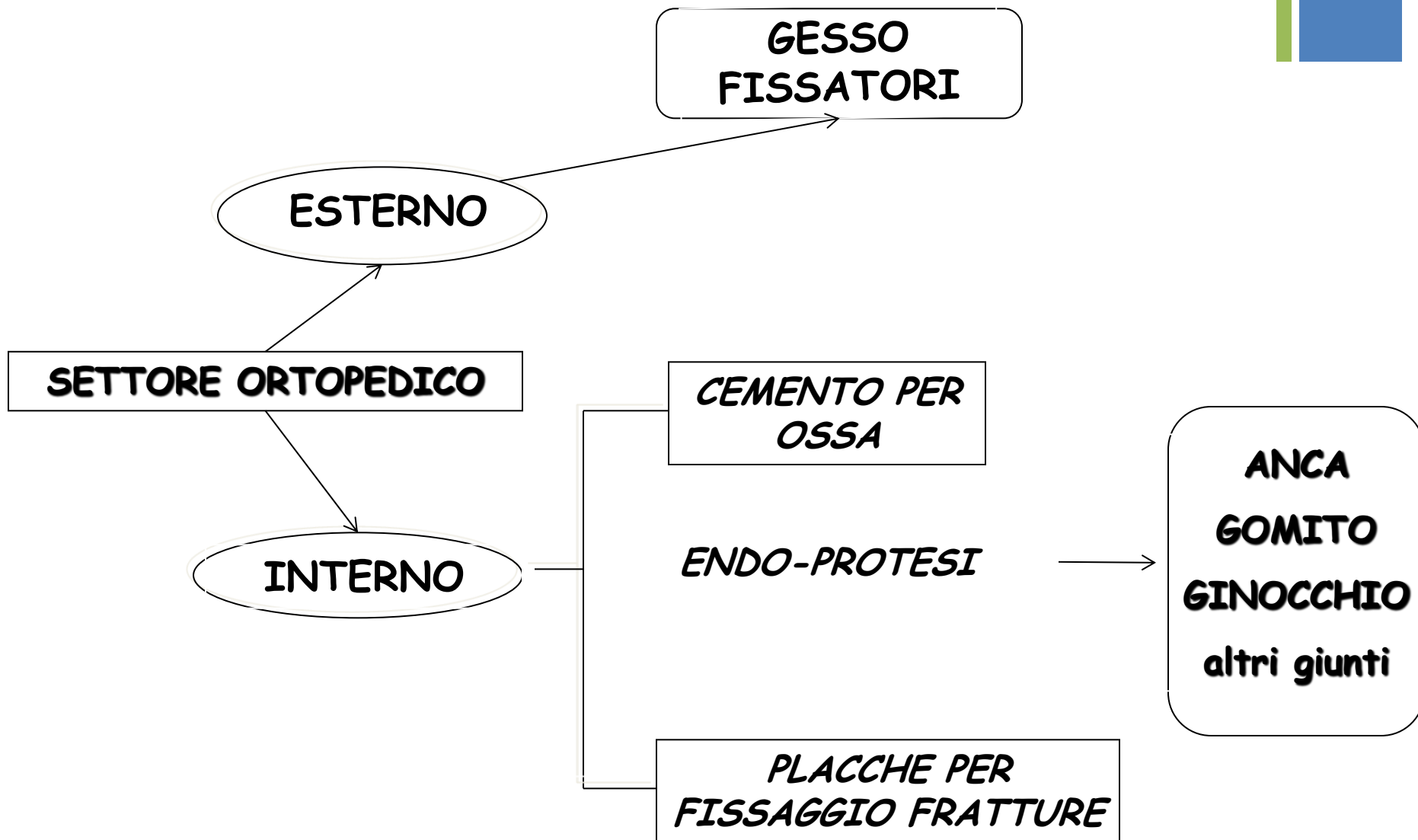
Introduzione

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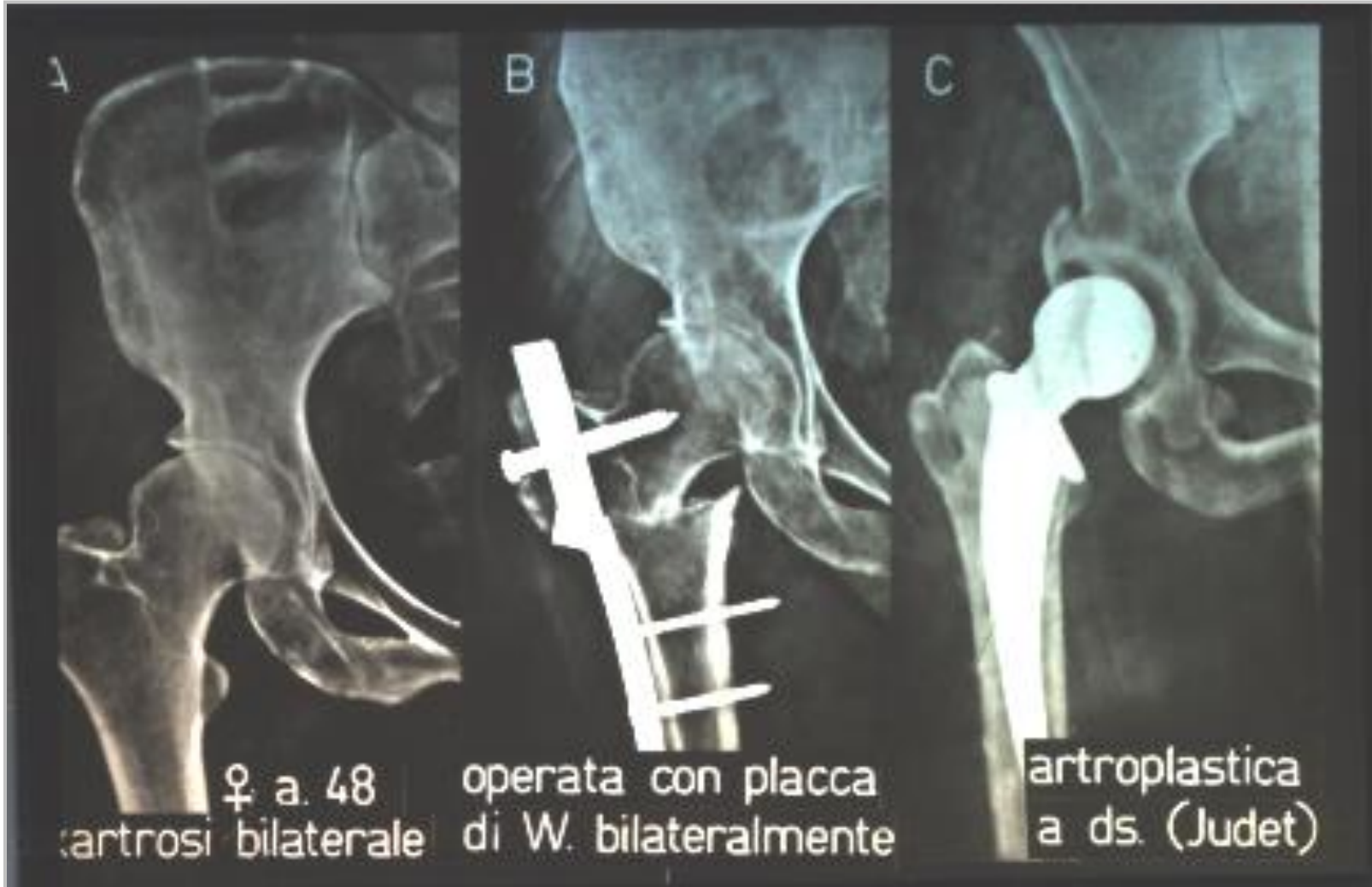


Settore ortopedico



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Settore ortopedico



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Settore ortopedico



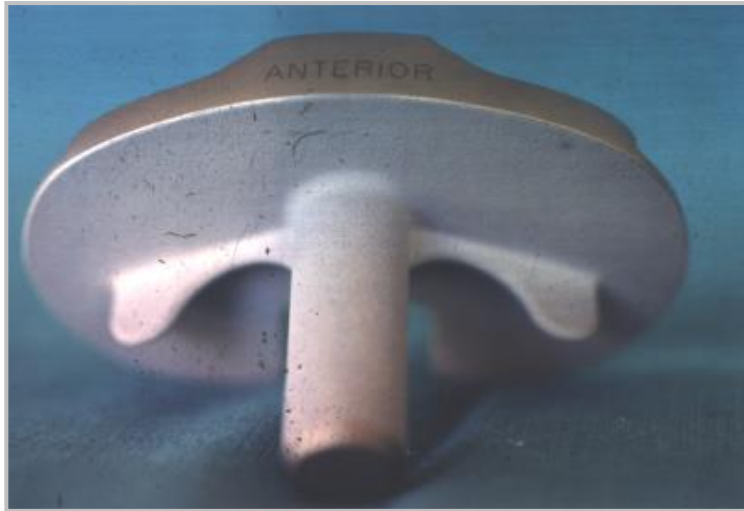
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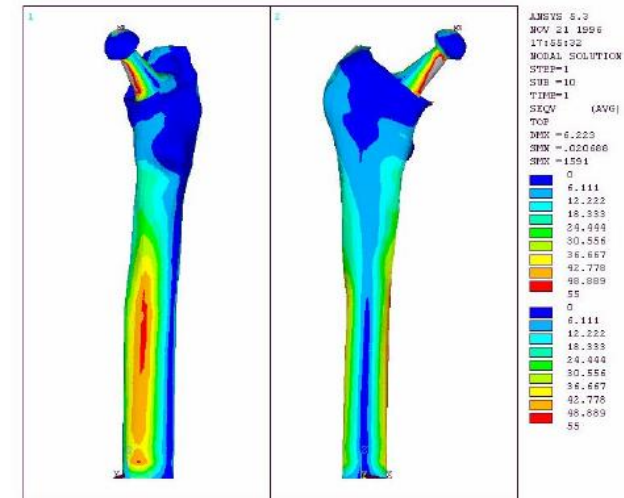
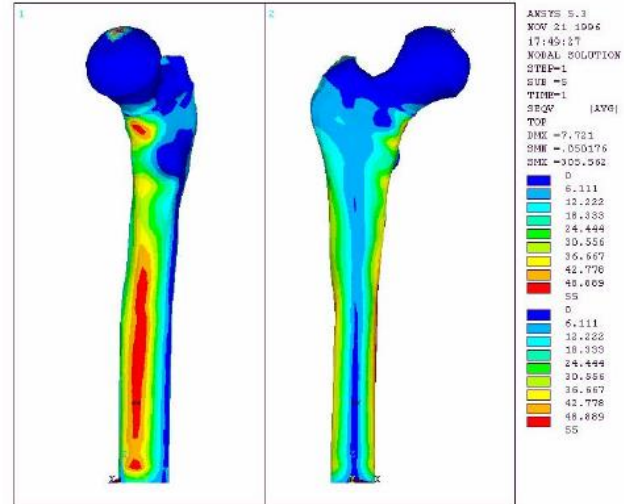
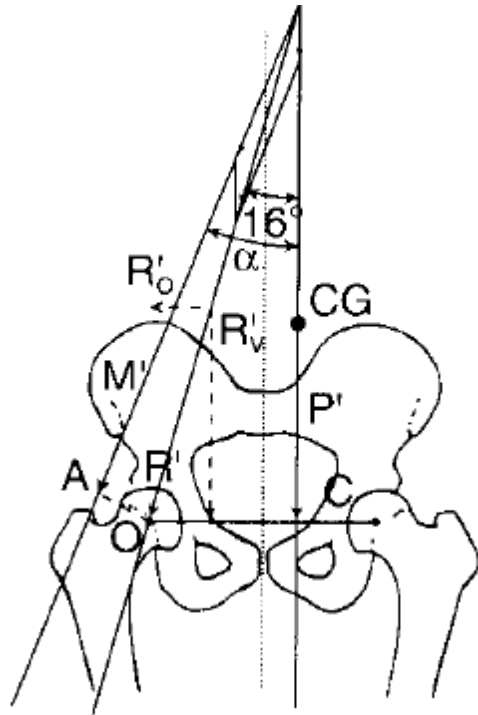
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Settore ortopedico



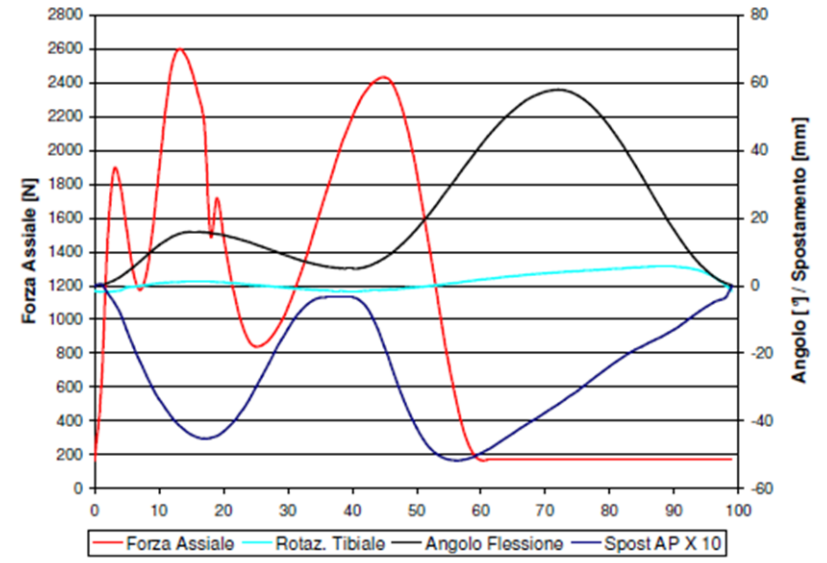
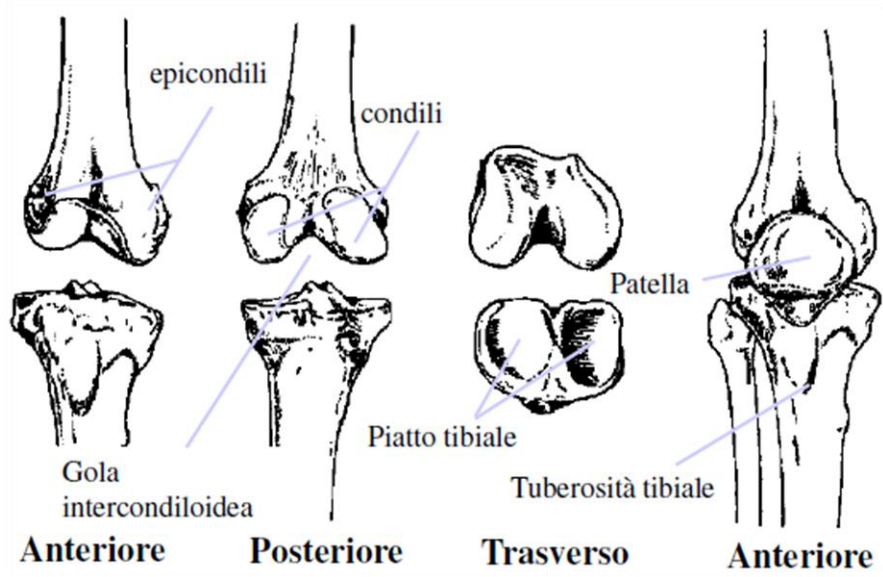


Protesi ortopediche





Protesi ortopediche

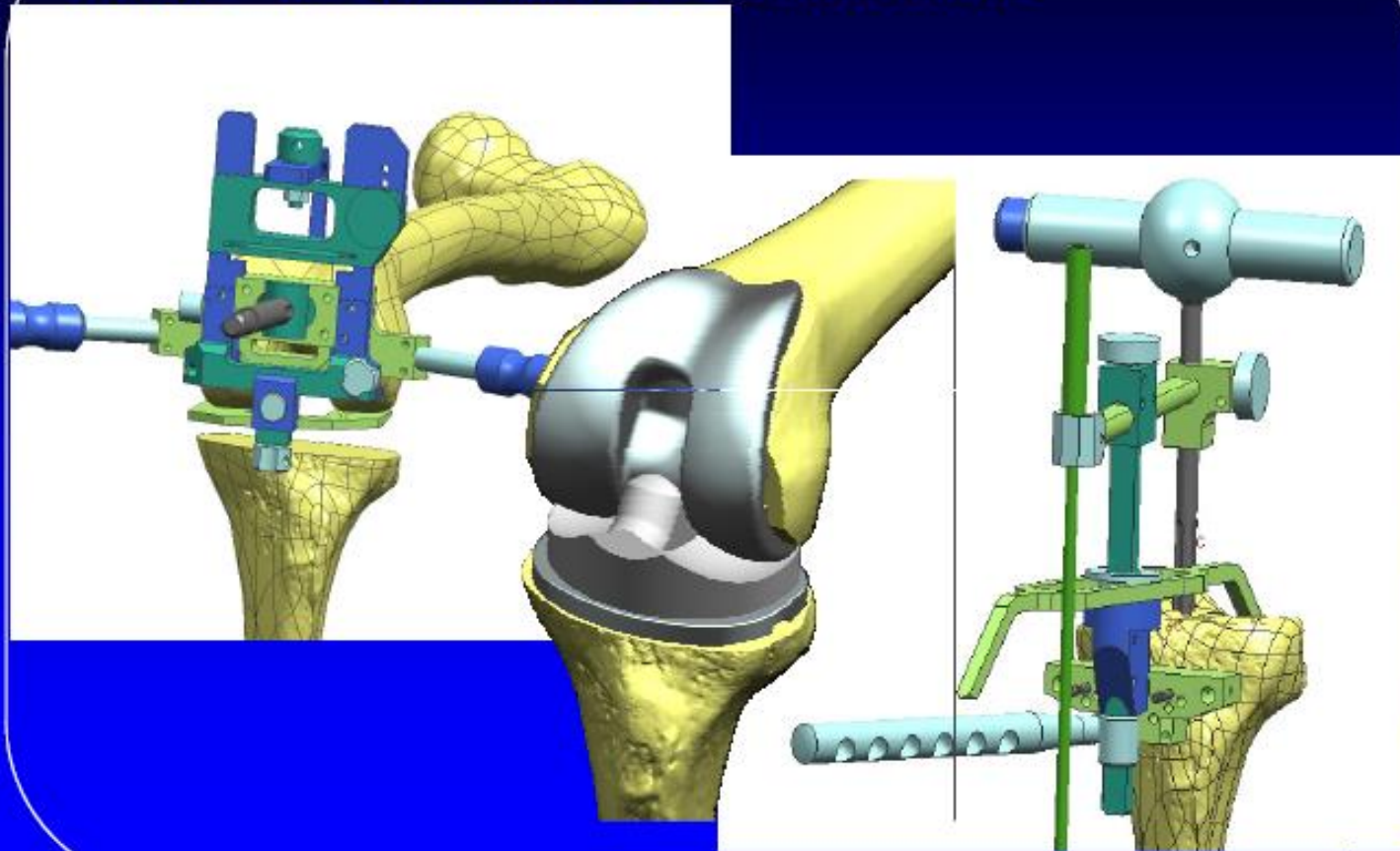




Protesi ortopediche

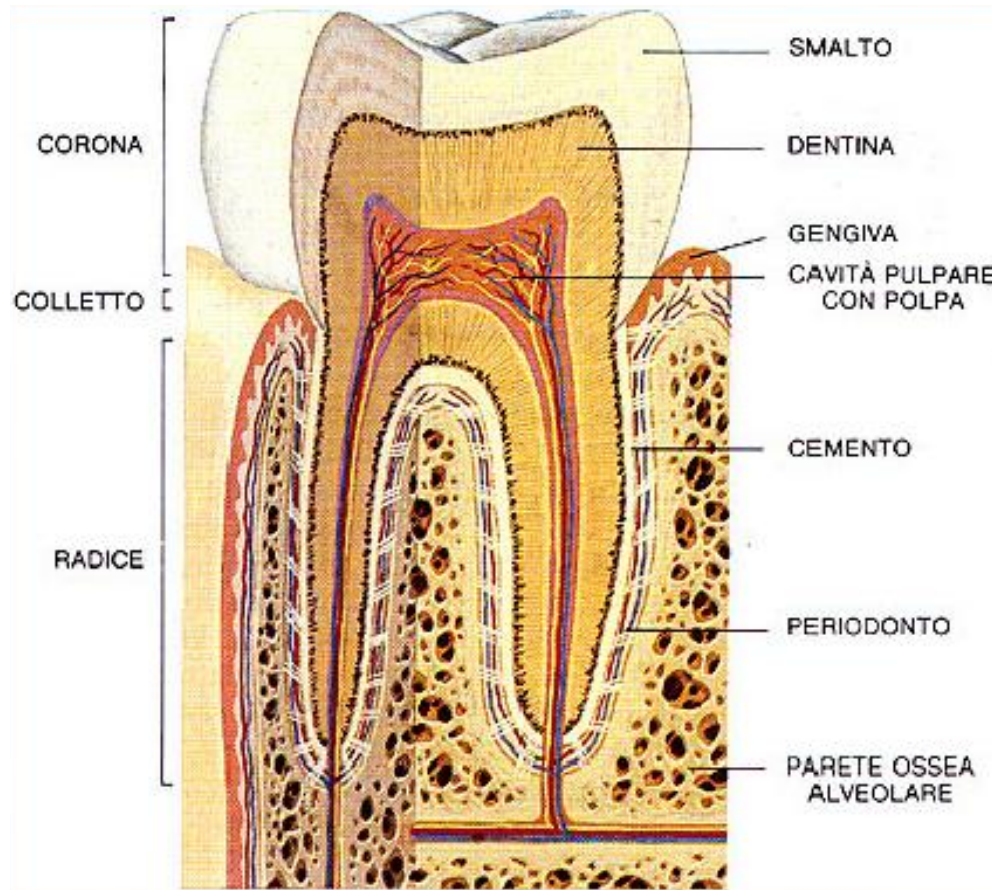


Progettazione CAD interamente tridimensionale



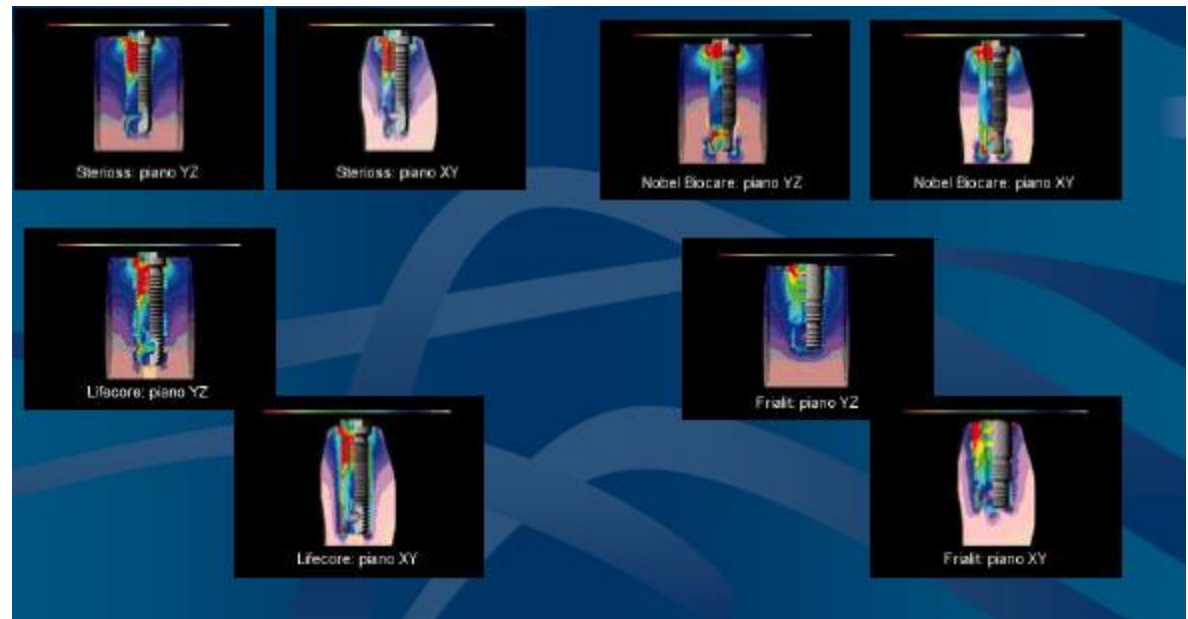
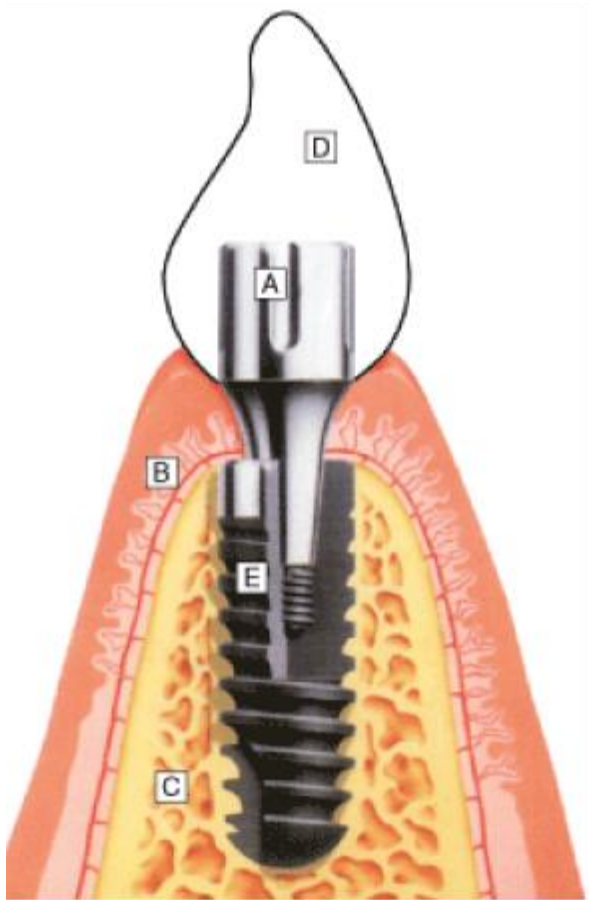


Impianti dentari





Impianti dentari





Endoprotesi vascolari



CONDOTTI VASCOLARI

VALVOLE CARDIACHE



Protesi vascolari

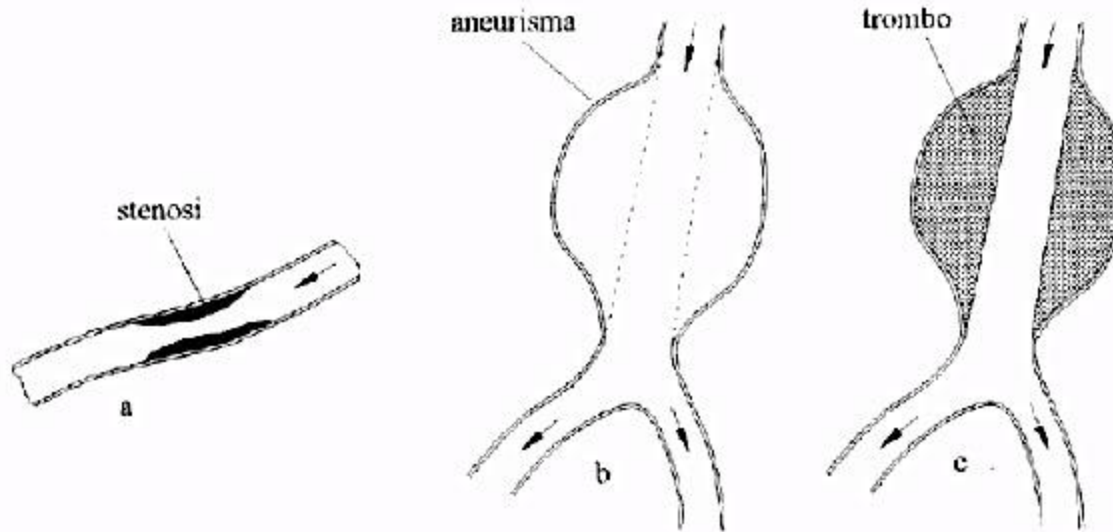


Figura 8.1 - Principali patologie arteriose. a: stenosi; b: aneurisma; c: aneurisma trombizzato.



Protesi vascolari

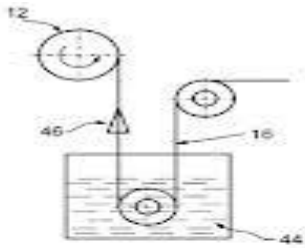


Fig. 5

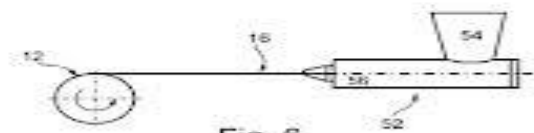
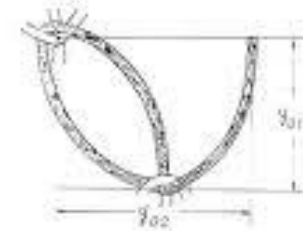
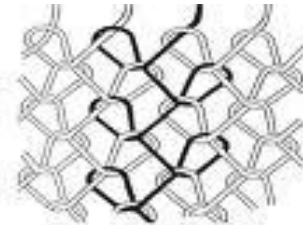
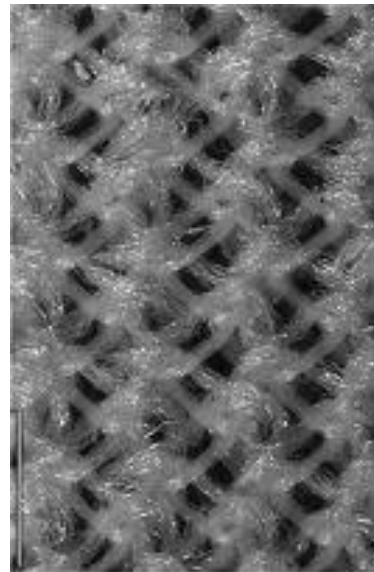


Fig. 6



Fig. 7 STRUTPATENT.COM



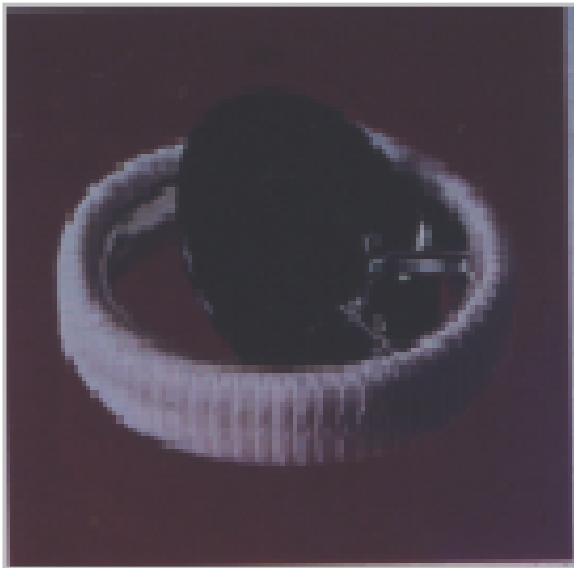
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Valvole cardiache biologiche



+

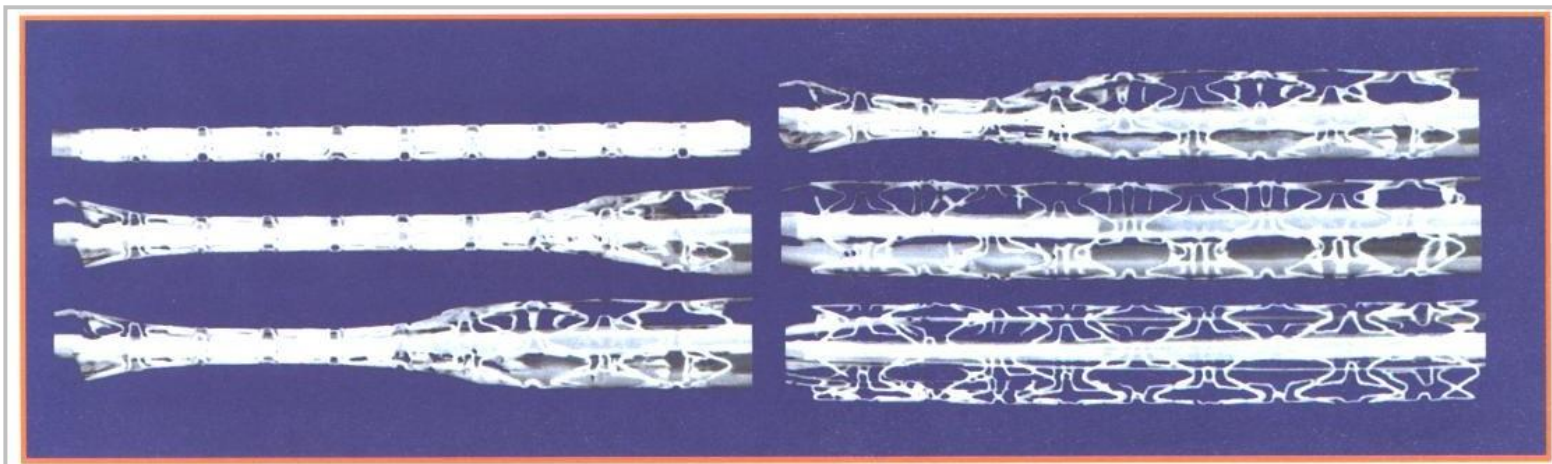
Valvole cardiache meccaniche





Stent coronarici

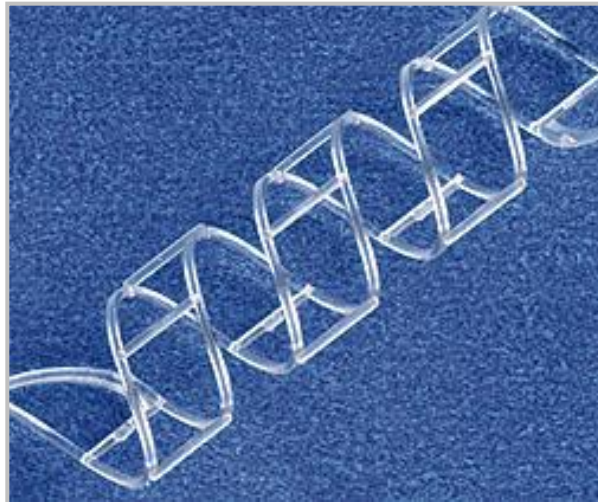
- Strutture tubulari collocate in arterie stenotiche per ripristinare la circolazione sanguigna.





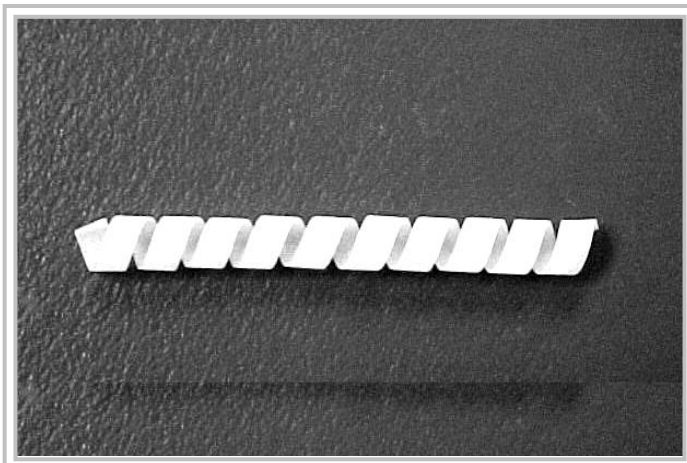
Stent coronarich

- Stent biodegradabili



Materiale: PLLA

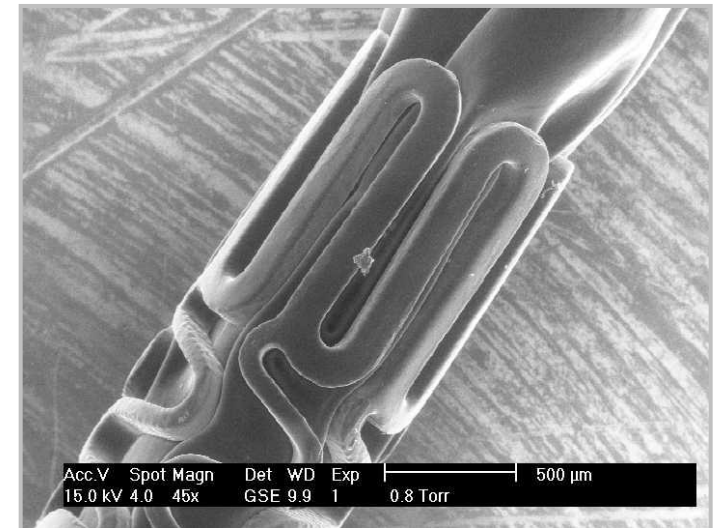
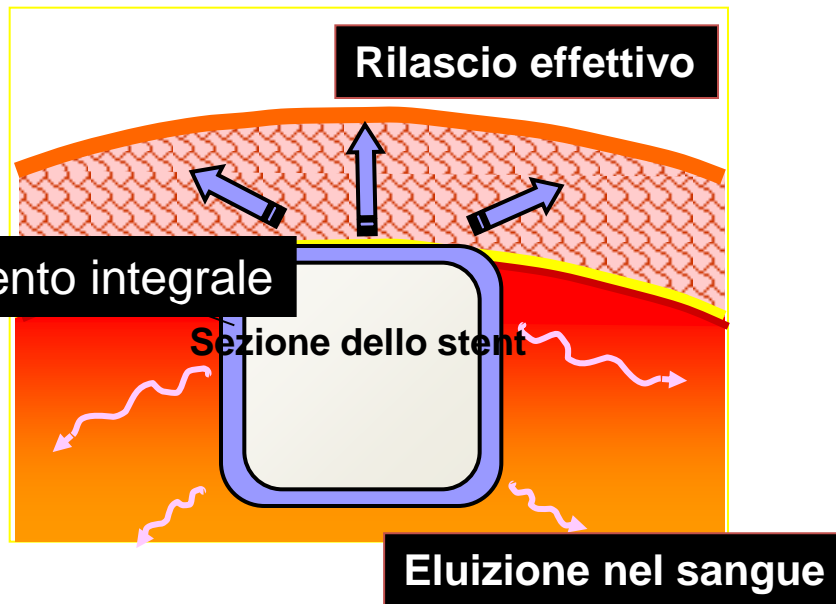
Duke Stent (1980): tessuto a setaccio, autoespandente, pressione di collasso 1-1,3 bar
Igaki-Tamai (elicoidale, Autoespandente)





Stent coronarici

- Drug Eluting Stent



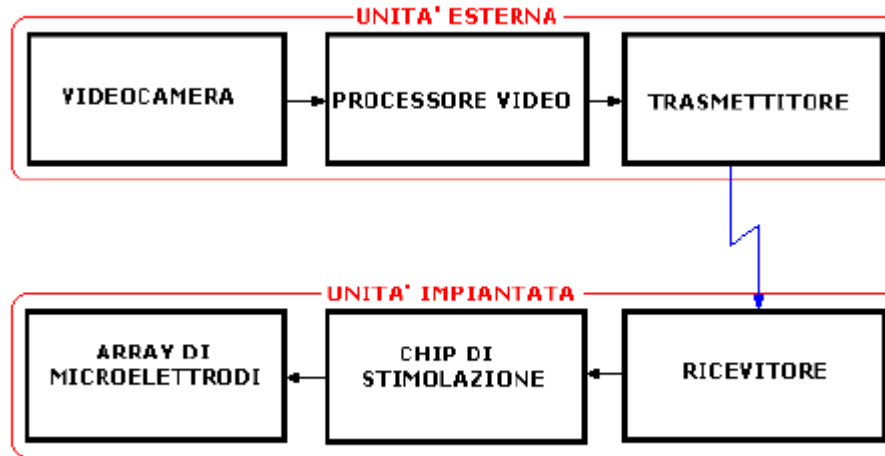
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Protesi mammarie

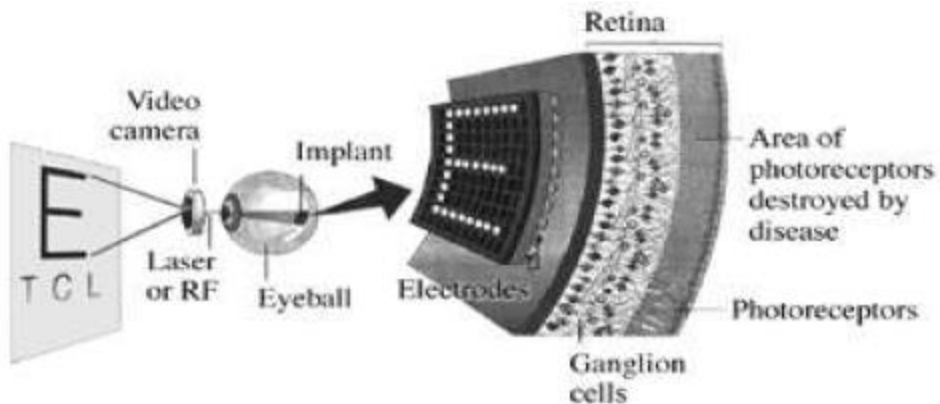




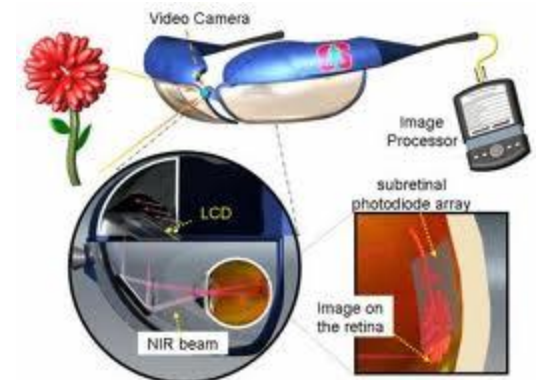
Protesi ottiche



Protesi epiretinale

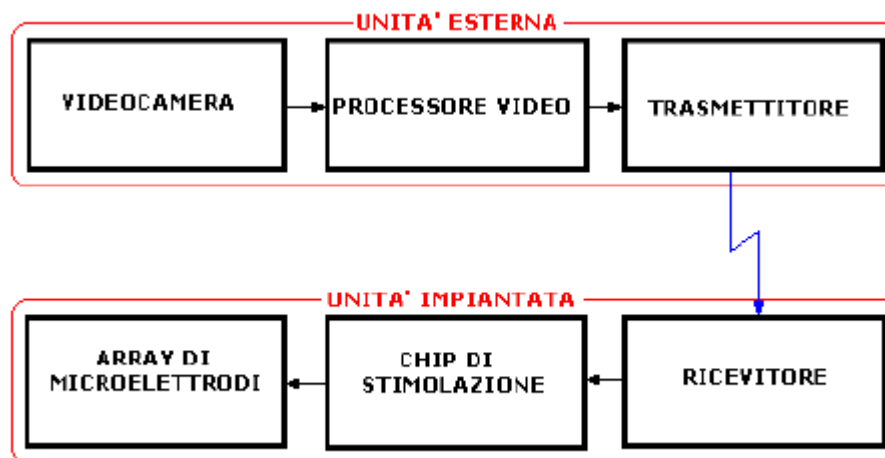


Protesi subretinale

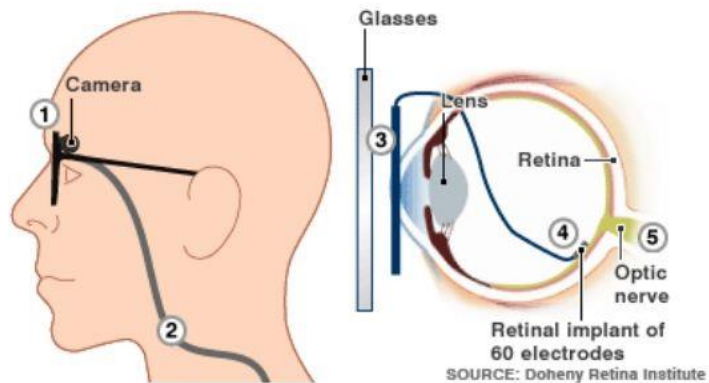




Protesi ottiche



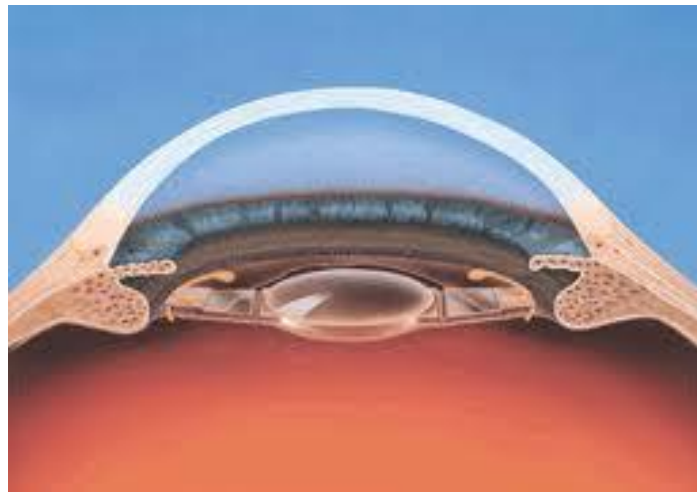
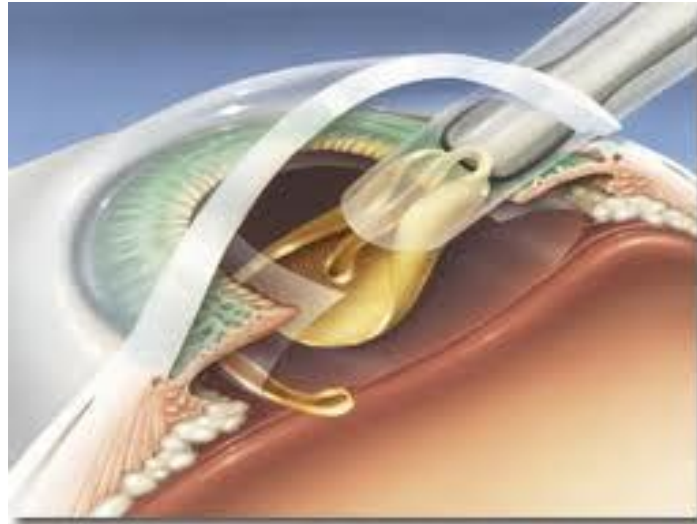
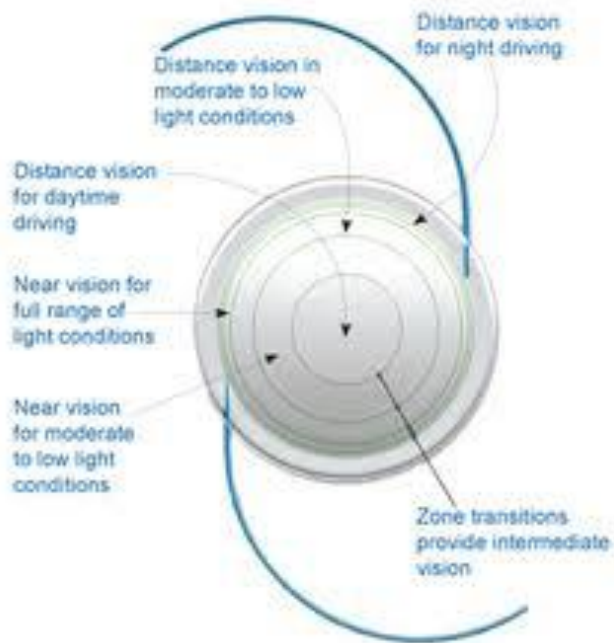
Protesi corticale





Protesi ottiche

- Intraocular lens





Protesi acustiche

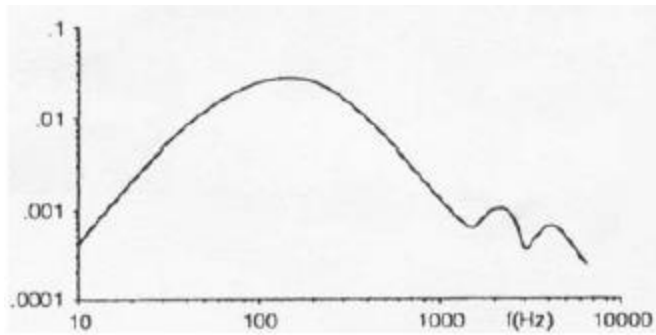
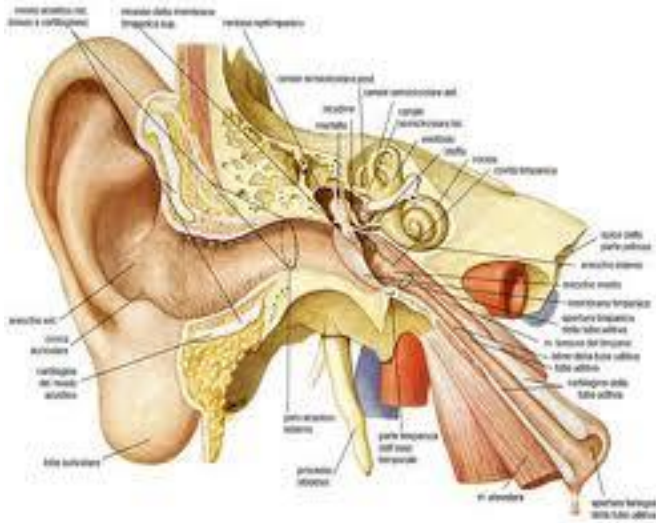
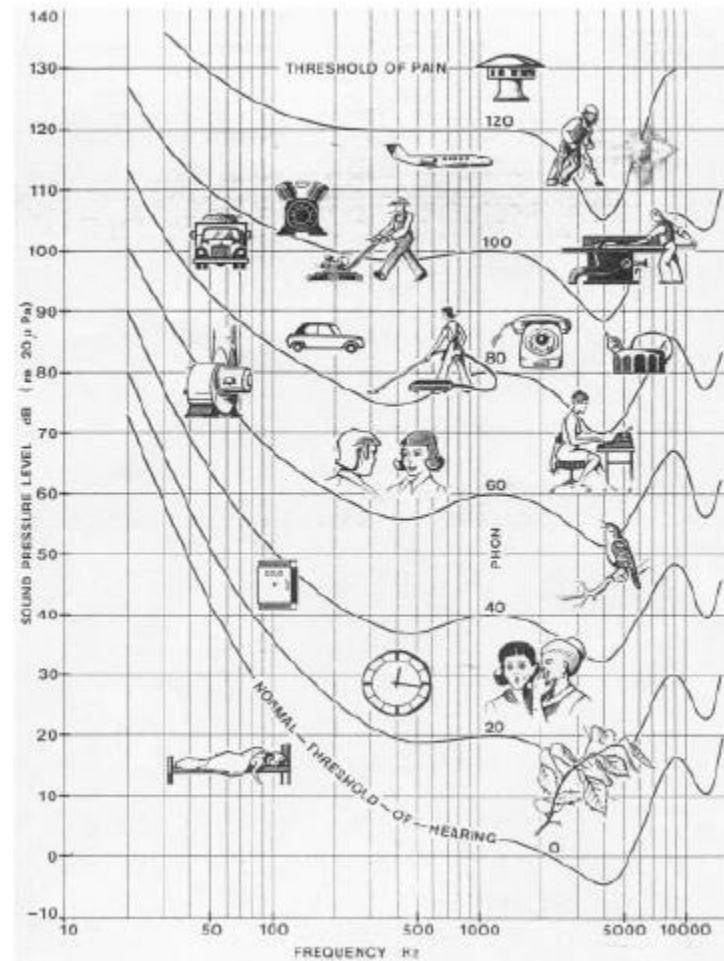


Figura 2: Andamento dello spettro medio di potenza della voce umana





Protesi acustiche



LOGO L6

Retroauricolare di media potenza



LOGO LX

Endoauricolare

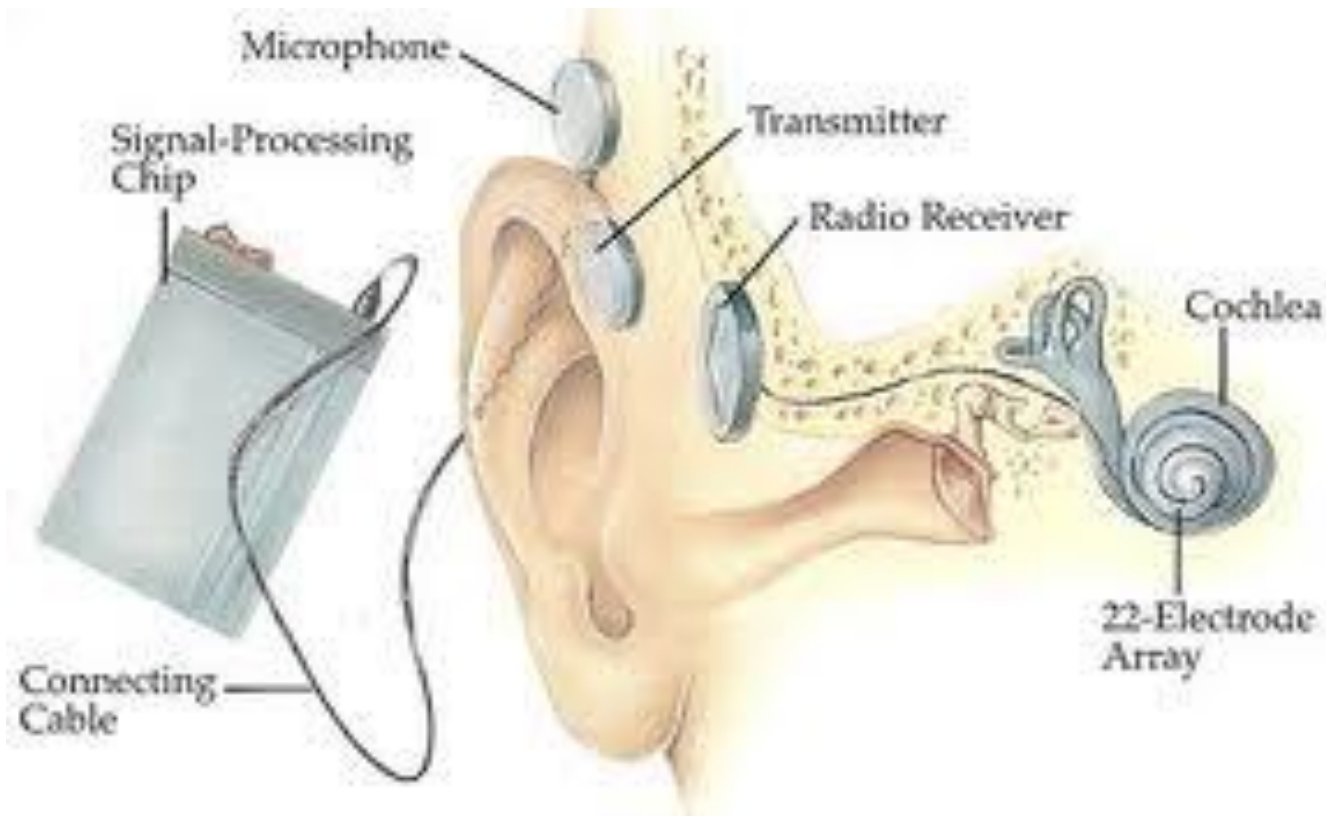
Protesi cocleari



+

Protesi acustiche

- Proteasi corticali





Materiali del corso

- Bone Mechanics Handbook – Stephen C. Cowin - CRC Press INC
- The Biomedical Engineering Handbook – Joseph D. Bronzino – CRC Press
- Materiale fornito dai docenti





Ricevimento



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