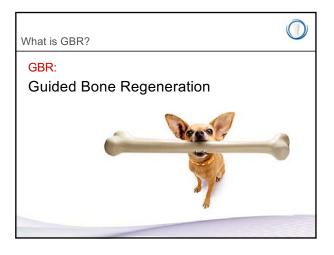
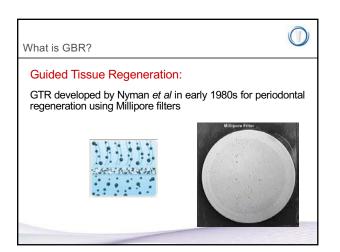
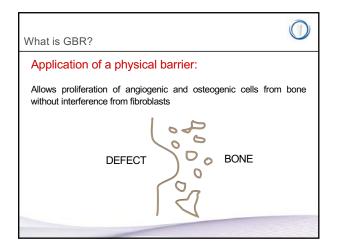
## Implantol cogy year course Aims & Objectives Module 3 • What is is GBR? Charton Director • How does it work? Opensitive Readeway of Devide Implantology • Does it work?

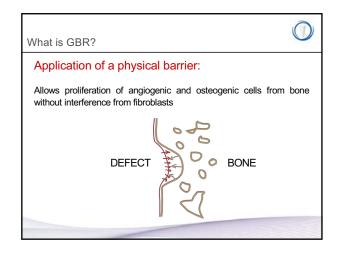










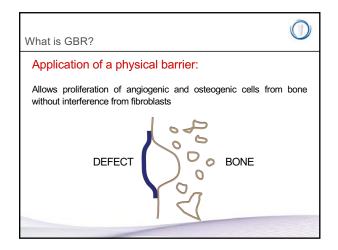


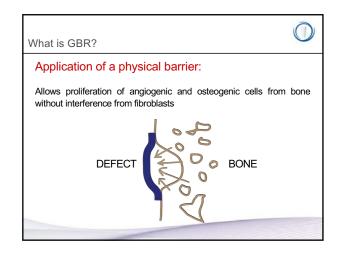


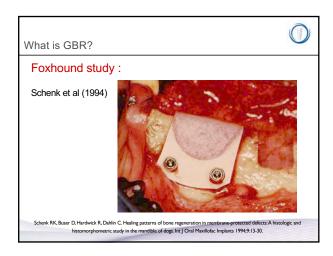


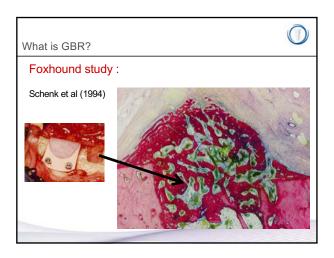


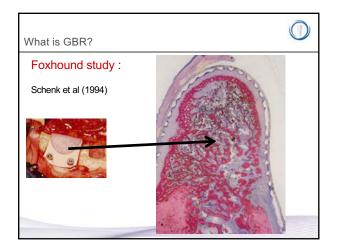


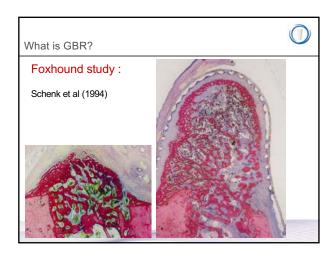




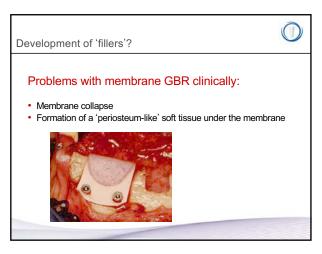


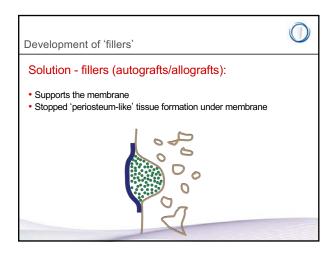






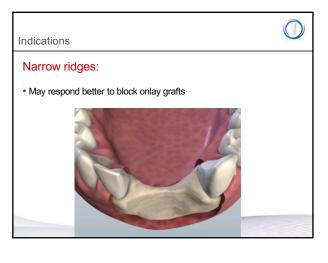


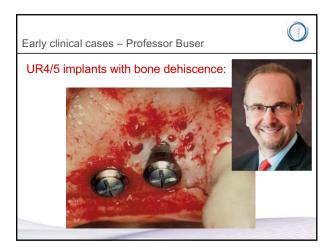




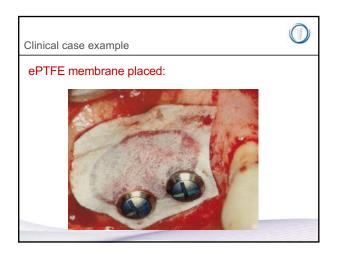


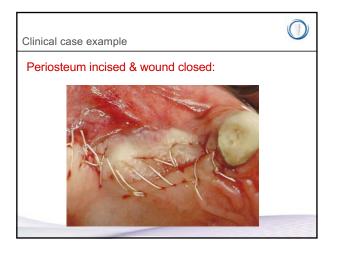


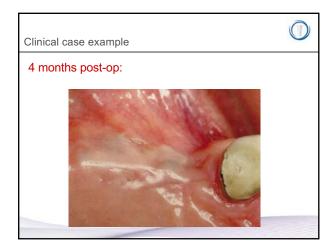


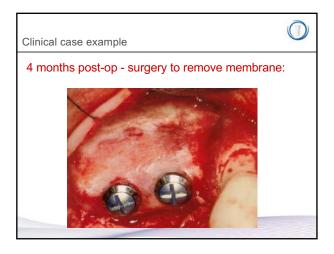


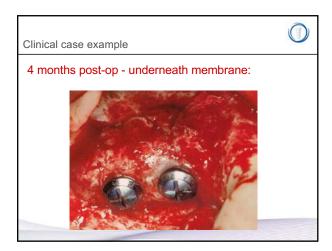


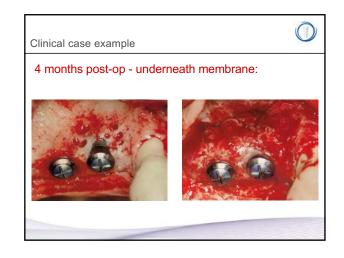


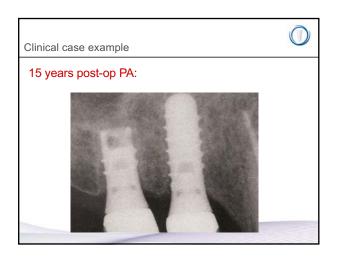


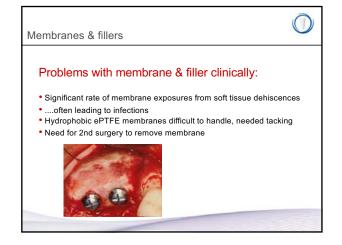


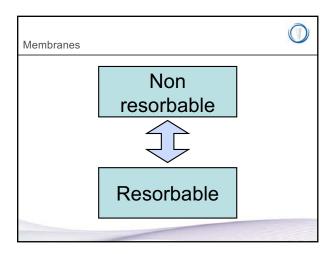




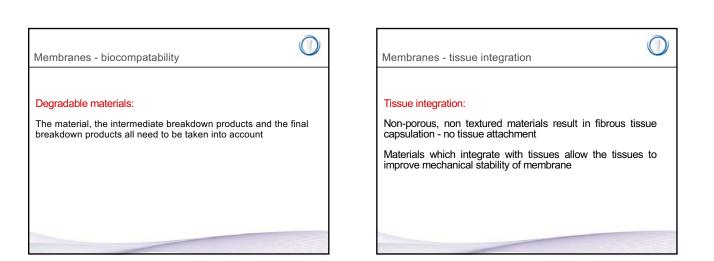








Membranes	0
Requirements:	
Occlude cells	
<ul> <li>Biocompatable</li> </ul>	
<ul> <li>Good handling properties</li> </ul>	
<ul> <li>Low complication rate</li> </ul>	
<ul> <li>Tissue integration</li> </ul>	



()

Membranes - biocompatability

Inert materials less of an issue than degradable materials

In general:

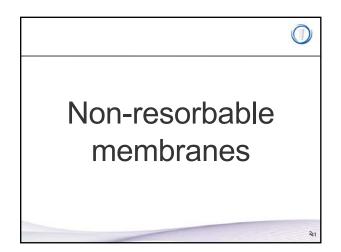
Membranes - cell occlusion

Exclude connective tissue cell invasion but still allow nutrient

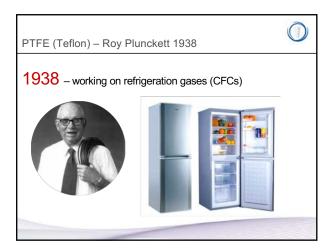
Studies have shown that macroporous membranes have lower complication rate than totally occlusive barrier membranes

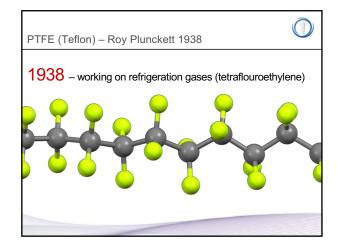
Cell occlusion:

transfer.





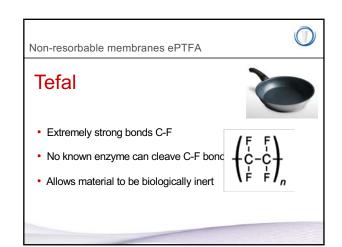


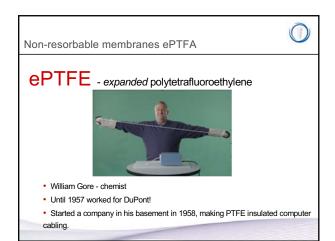


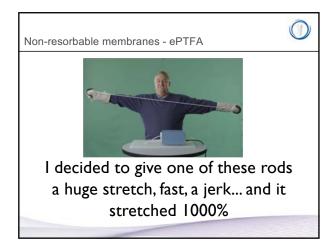


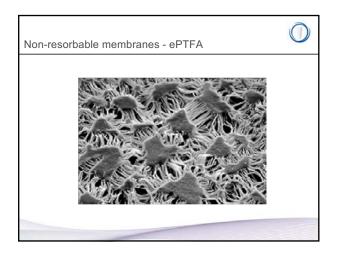


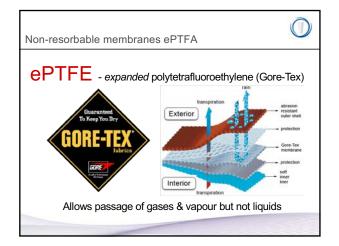




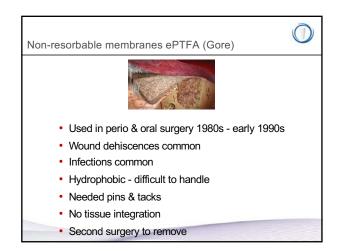


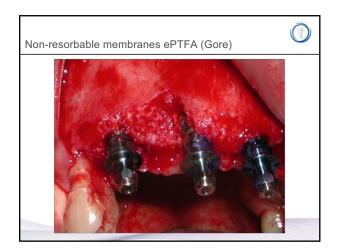


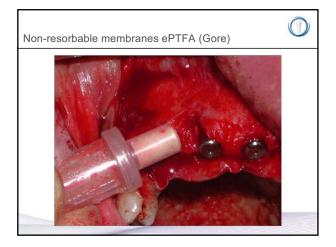


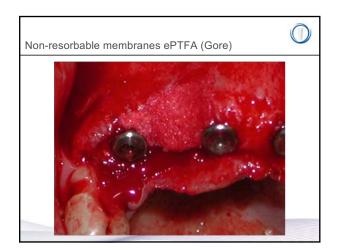


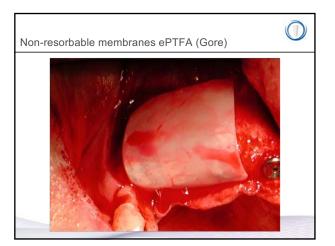




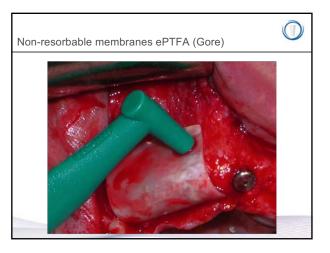


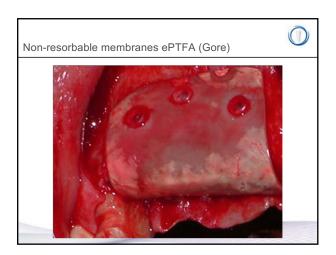


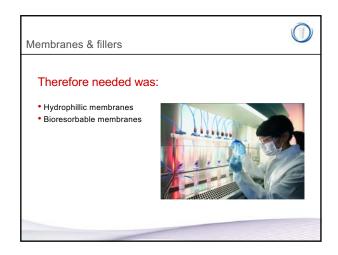


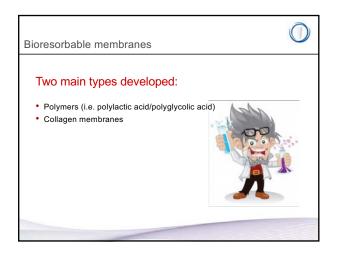


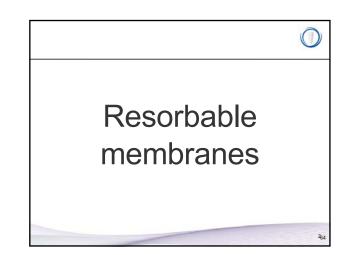


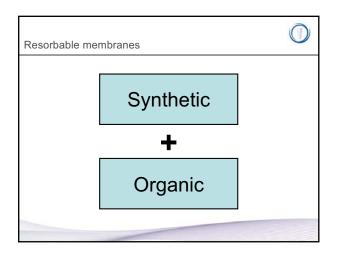












Resorbable membranes - synthetic	0
Polymers - PGA (polyglycolides)/PLA (polyacti	des)
<ul> <li>Synthetic - unlimited availability</li> <li>Fully degrade (Krebs cycle) to water &amp; CO2</li> <li>Associated with foreign body reactions</li> <li>Associated with inflammatory respones</li> </ul>	

