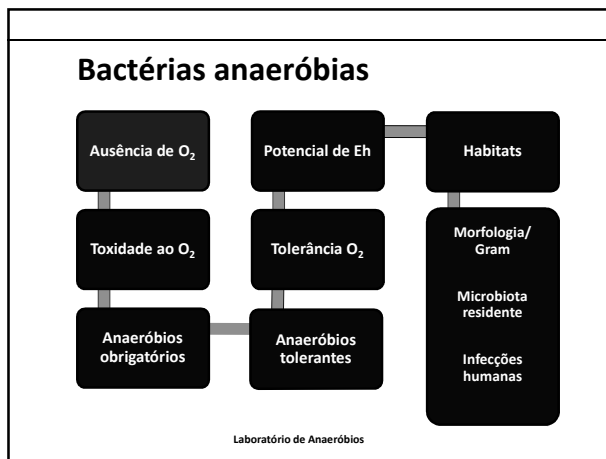


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UNIVERSIDADE DE SÃO PAULO

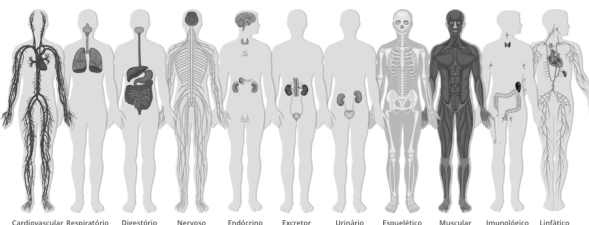
Laboratório de Anaeróbios

Bactérias anaeróbias na cavidade bucal

Profa. Dra. Viviane Arenas

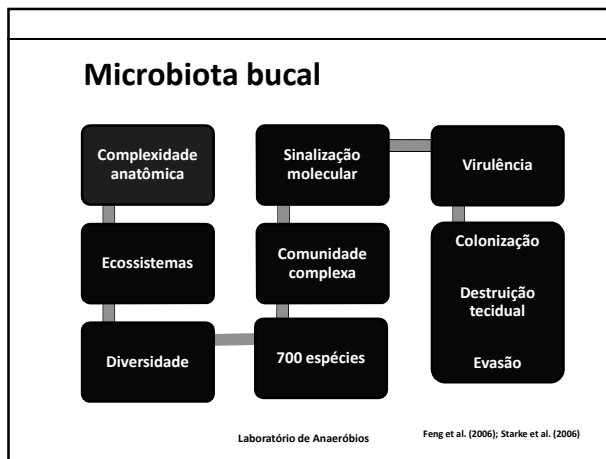


Infecções humanas

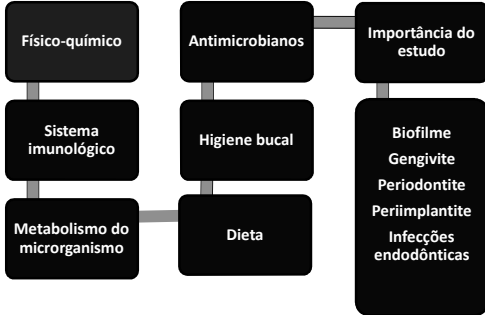


Cardiovascular Respiratório Digestório Nervoso Endócrino Excretor Urinário Esquelético Muscular Imunológico Linfático

Laboratório de Anaeróbios



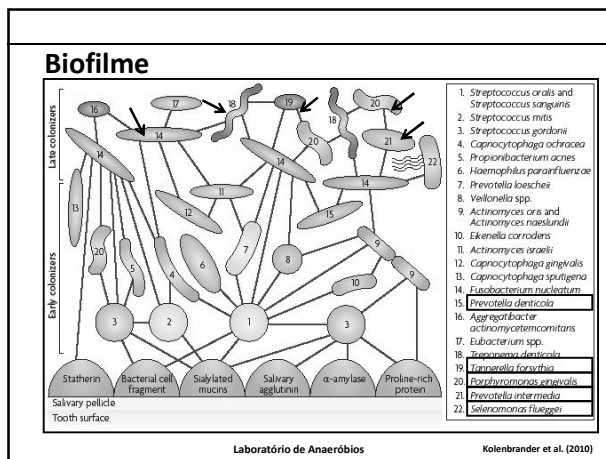
Fatores que regulam a microbiota bucal

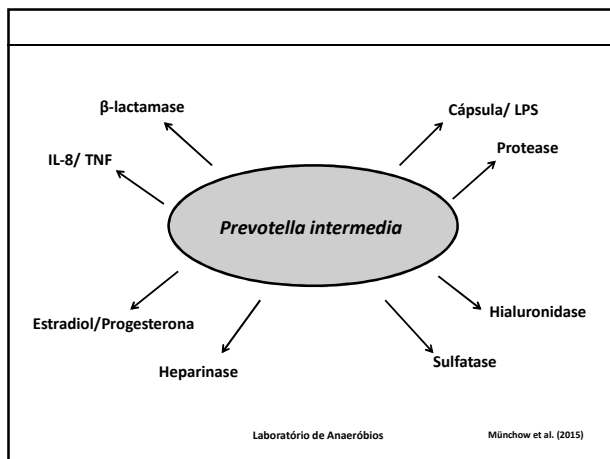
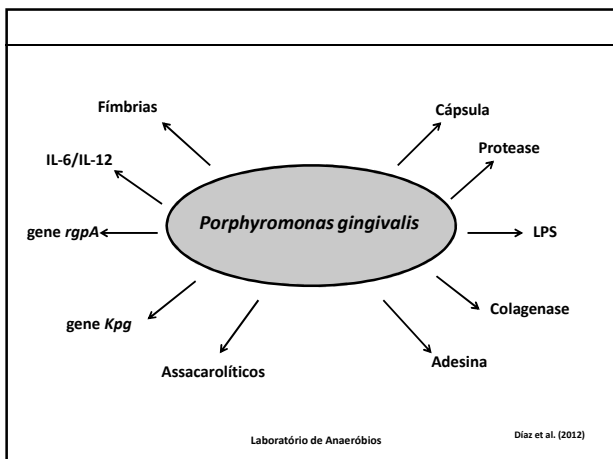
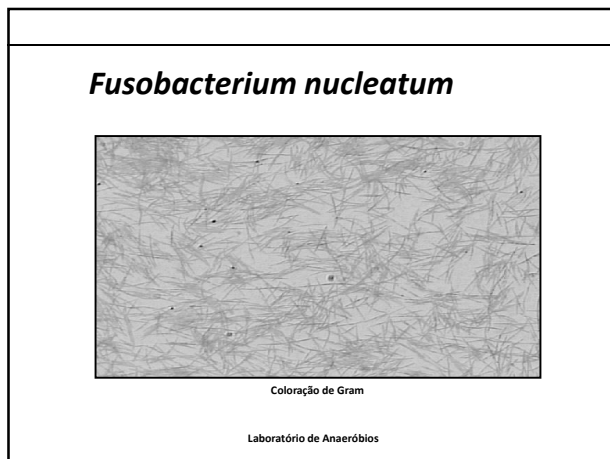
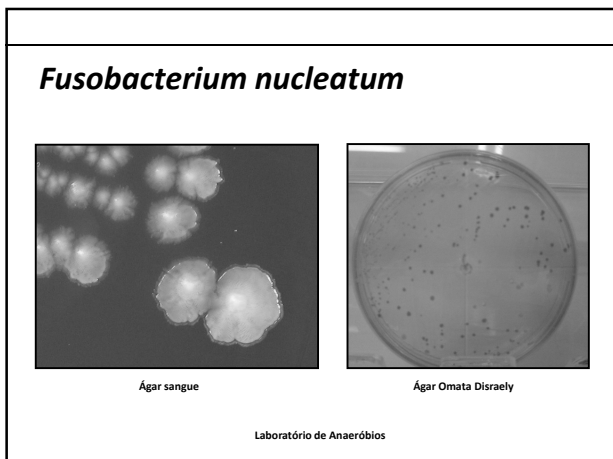
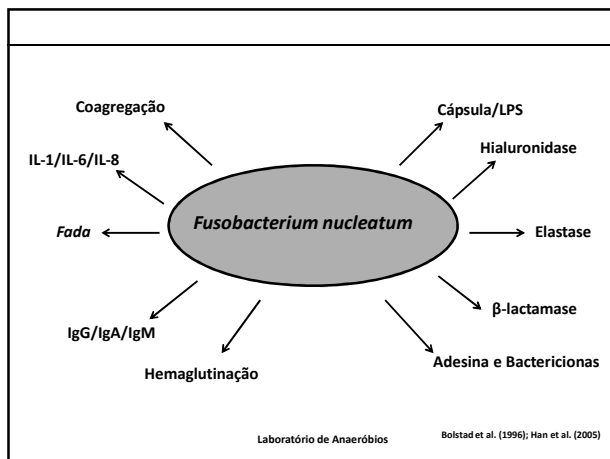
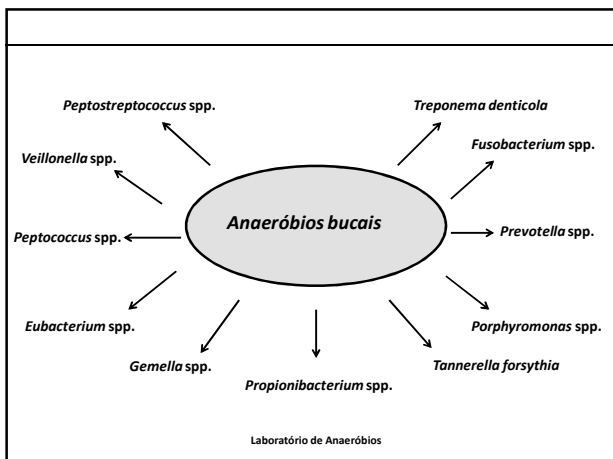


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    graph TD
      A[Físico-químico] --- B[Antimicrobianos]
      B --- C[Importância do estudo]
      C --- D[Biofilme]
      D --- E[Gengivite]
      E --- F[Periodontite]
      F --- G[Periimplantite]
      G --- H[Infecções endodônticas]
      A --- I[Sistema imunológico]
      I --- J[Higiene bucal]
      J --- K[Dieta]
      I --- L[Metabolismo do microrganismo]
      L --- M[Dieta]
      L --- N[Laboratório de Anaeróbios]
  
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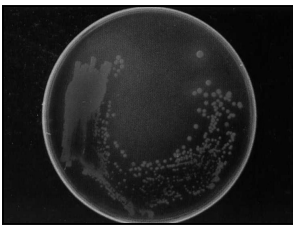




Porphyromonas spp. e Prevotella spp.



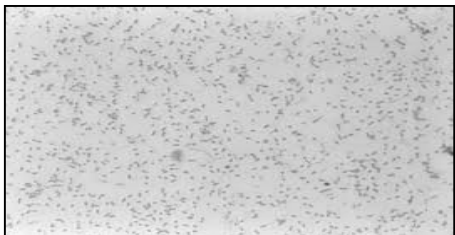
Agar sangue



Fluorescência em luz ultravioleta

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Porphyromonas spp. e Prevotella spp.



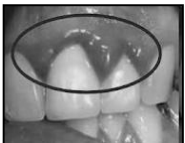
Coloração de Gram

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Infecção por anaeróbios bucais



Saudável



Gengivite



Periodontite

Crônica

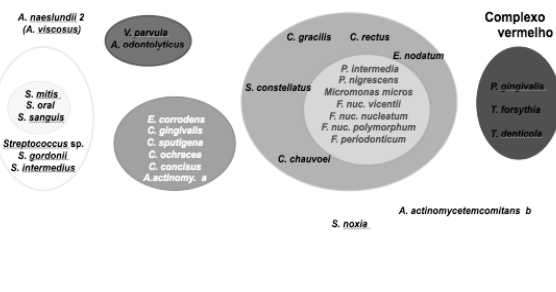
Agressiva

Localizada

Generalizada

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Sucessão da microbiota subgingival



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Socransky et al. (1998)

Fatores locais que interferem no periodonto

Laboratório de Anaeróbios

Biofilme

↓

Higiene
Dente
Prótese
Restauração
Anatomia

Destruição periodonto

↓

Sulco gengival
Bolsa periodontal
Ecologia
Fumo
Cálculo

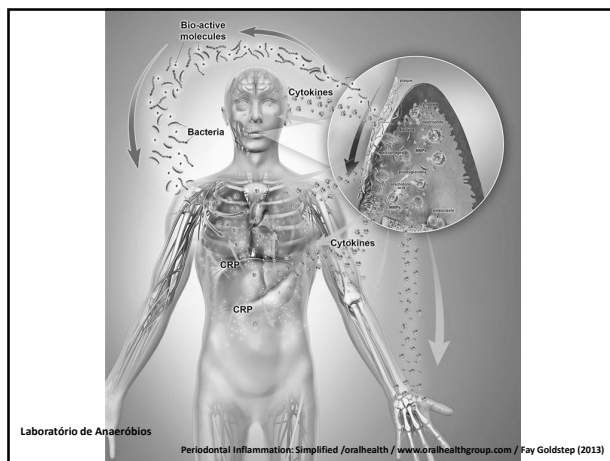
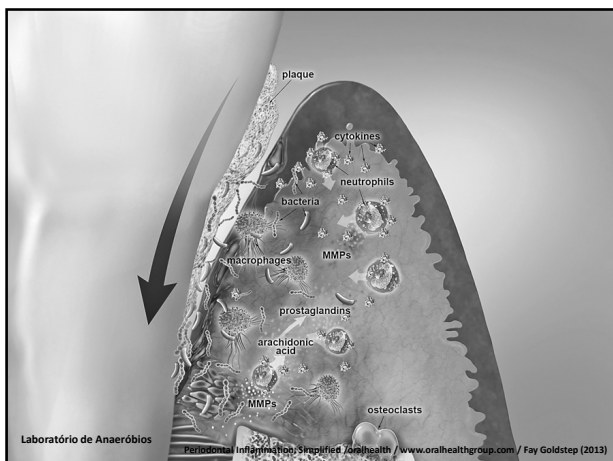
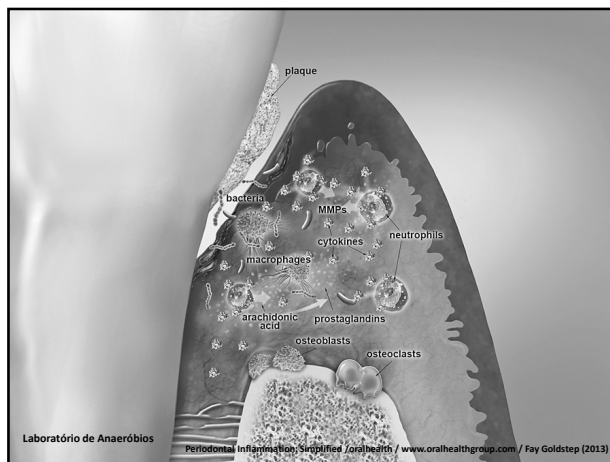
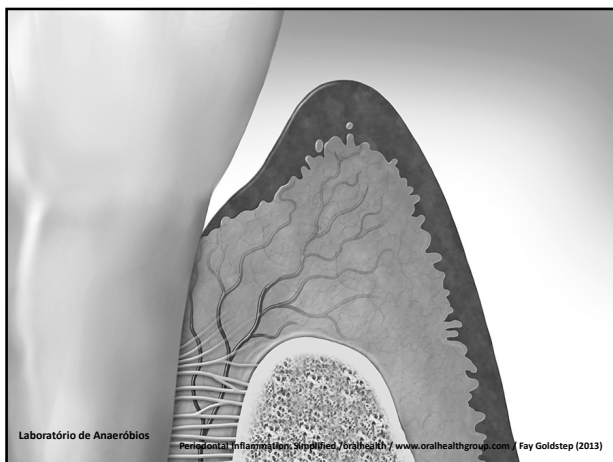
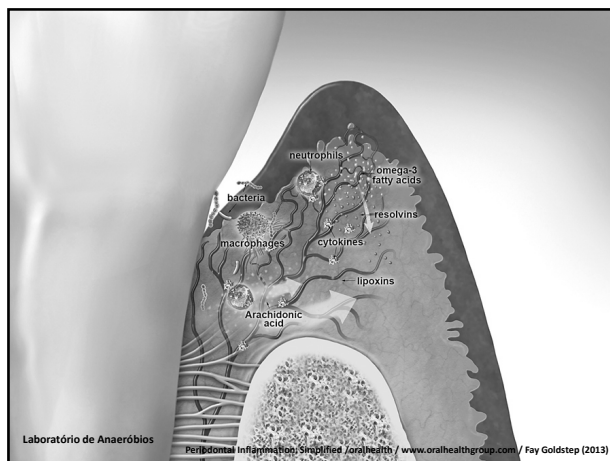
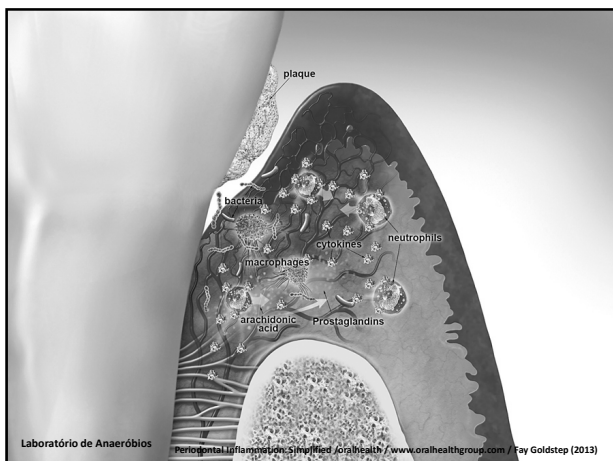
Destruição periodonto

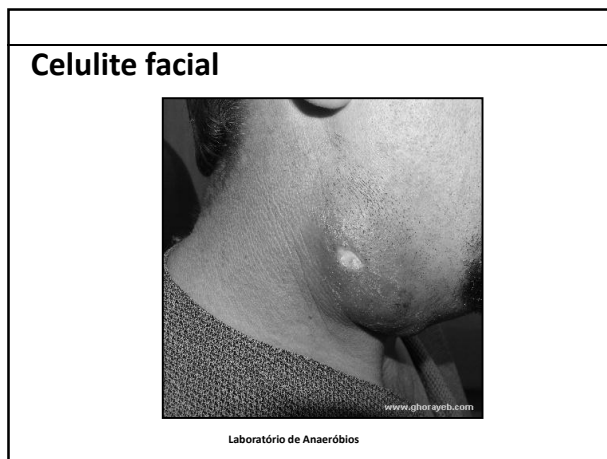
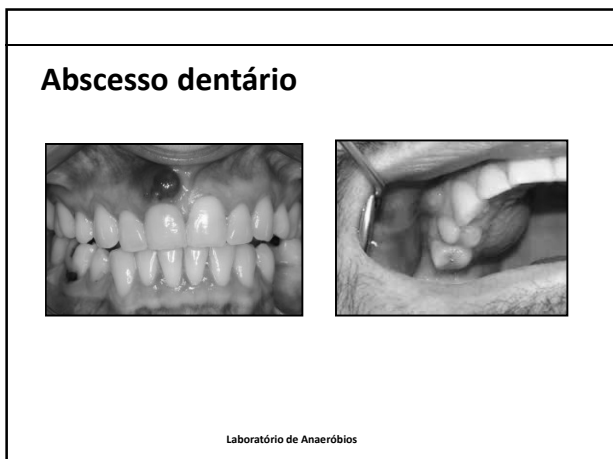
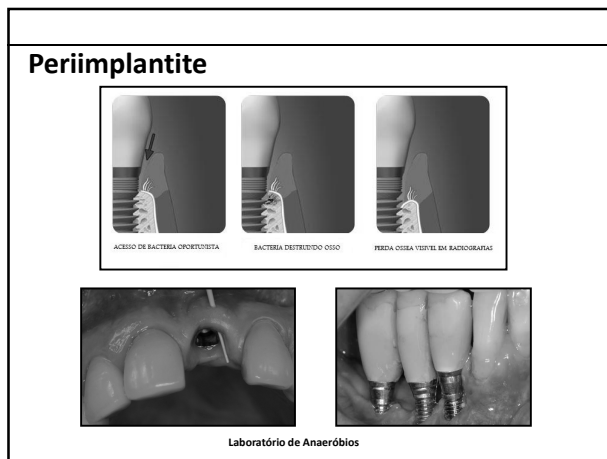
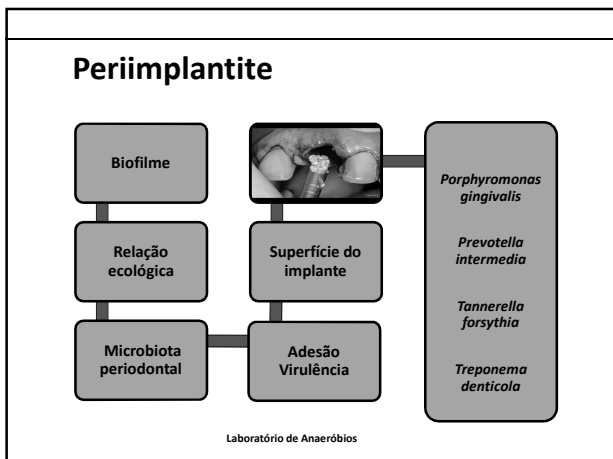
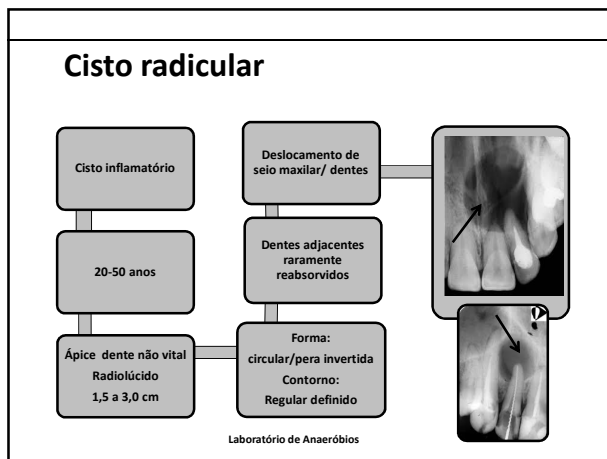
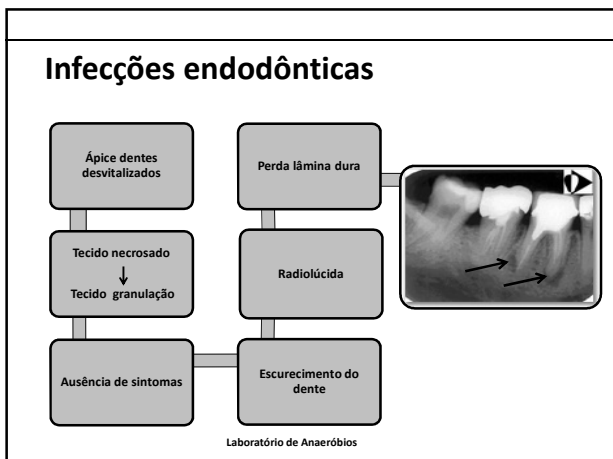
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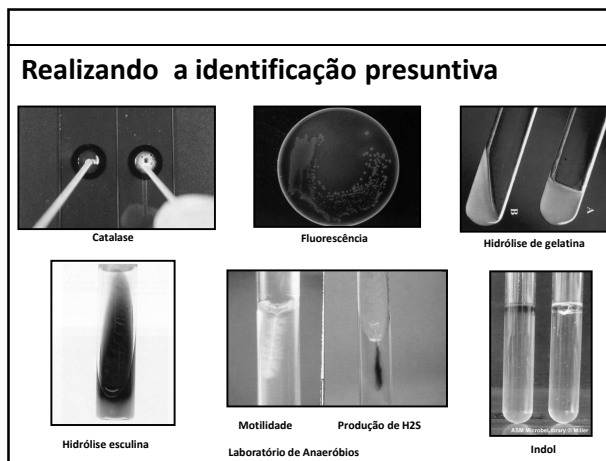
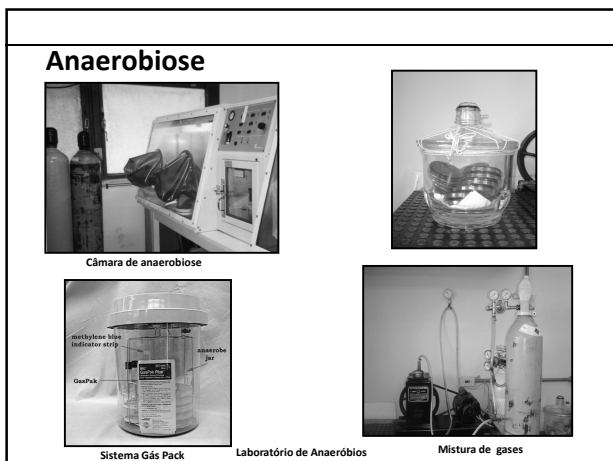
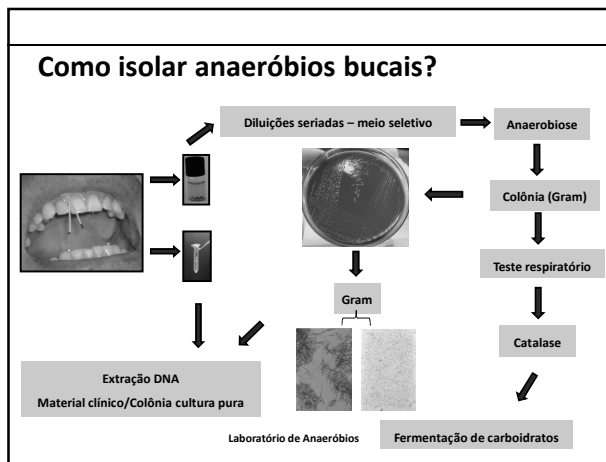
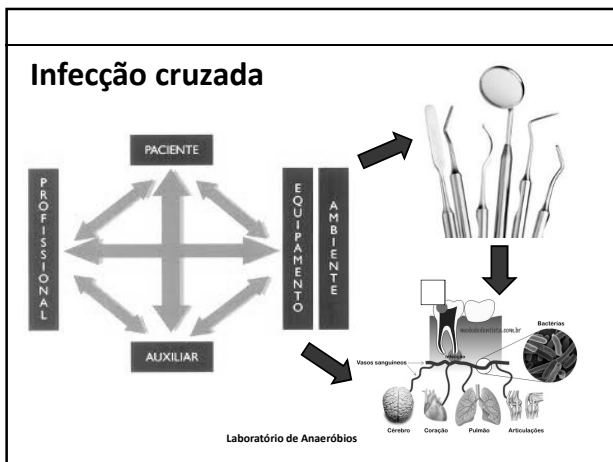
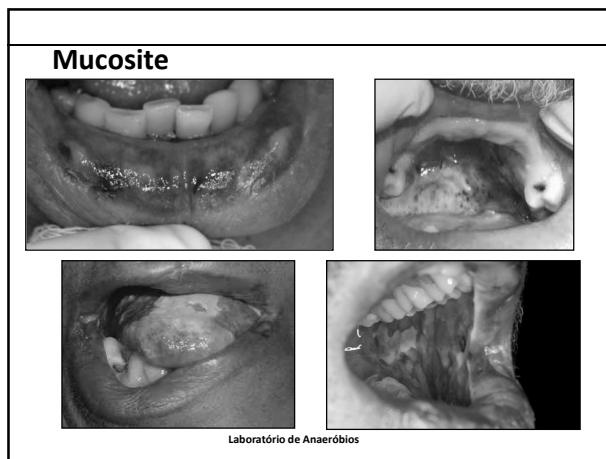
Microrganismo
Genética
Sistema Imune

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Socransky e Haffajee (1992)







Testes Definitivos – API- 20 A BioMerirux



Negativo



Positivo

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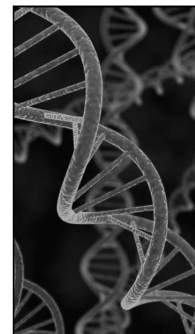
Biologia Molecular

Sondas Genéticas

PCR qualitativo ou convencional

PCR quantitativo (Real Time)

Sequenciamento



Laboratório de Anaeróbios

Considerações finais

- Trabalho especializado requer treinamento
- Rotina laboratorial para anaeróbios é de alto custo
- Microrganismos anaeróbios são exigentes
- Integrantes da microbiota residente
- Capacidade de agressão endógena

Laboratório de Anaeróbios

Questões para estudo:

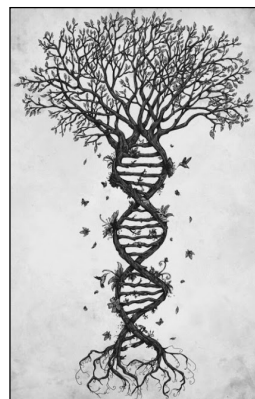
- Explique como os fatores locais presentes na cavidade bucal interferem no periodonto.
- Qual a real participação das bactérias anaeróbias nos processos infecciosos? Cite as principais patologias e seus respectivos agentes.
- Determine a importância do estudo dos anaeróbios bucais.
- Quais os cuidados e como é realizado o isolamento de bactérias anaeróbias na cavidade bucal?

Laboratório de Anaeróbios

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