





















Slide 28

### PERIODONTAL DISEASE AND ADVERSE PREGNANCY OUTCOMES

- Premature births
- Low birth weight
- Uterine contractions stimulated by Oxytocin (hypothalamus) and Prostaglandins produced by the placenta
  - Usually occurs in the late trimester
- Chronic Infections → Inflammation → ↑ amniotic PGs → premature rupture of membranes and pre-term labor
- Periodontal pathogens may also travel from the gingival sulcus to the placenta and stimulate preterm birth

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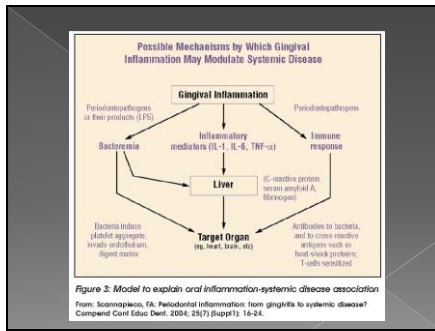
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Slide 29



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Slide 30

### TRANSLATING SCIENCE TO PRACTICE

- Understanding the association between oral and systemic health
- Reframe protocols
- Practice Periodontal Medicine
  - Comprehensive Medical Assessment
    - Review of systems and vital signs
    - Head and neck exam, X-rays, Probing,
    - Biological and Genetic Testing
  - Identify risk factors
    - Age, NBP, lipidemic, smoking, obesity, CVD, DM, pregnant women with poor OH
- Educating the patient on the Oral-Systemic Connection

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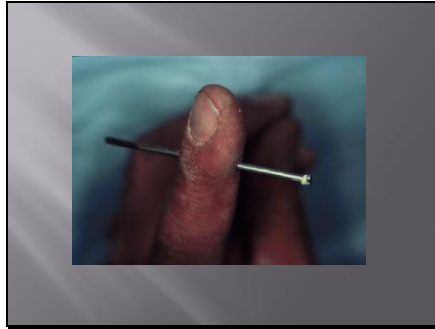
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Slide 34




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Slide 35




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Slide 36

**Obstacles to Progress**

- ❑ *The dental profession does not get paid for Preventive Solutions*
  - *Oral care is financially based on procedure (fillings and a crown)*
  - *Insurance companies pay for doing, not thinking!*
  - *Psychologists can be convincing. Always paid for time. Physicians paid for thinking and diagnosing*
- ❑ *Current system creates unethical practice*
- ❑ *Research Limitations to Oral Biotech*
  - *Not all researchers/clinicians properly research/progress slow*
  - *Research emphasis is areas having profit potential*
  - *Most research supports are conducted by for-profit companies*
  - *There is no money in prevention*
- ❑ *Emphasis on selling products with questionable efficacy*
  - *Which technique should I use?*
  - *Which manufacturer should I buy?*
  - *Which material should I use?*
- ❑ *Increasing awareness by our medical colleagues as to the oral-systemic connection*
- ❑ *Insurance companies have trained our patients to think that their teeth are furniture in the mouth and not a part of the human anatomy!*
- ❑ *The dental profession's Self-Image: "I'm not a doctor, I'm a dentist"*

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Slide 37



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Slide 38



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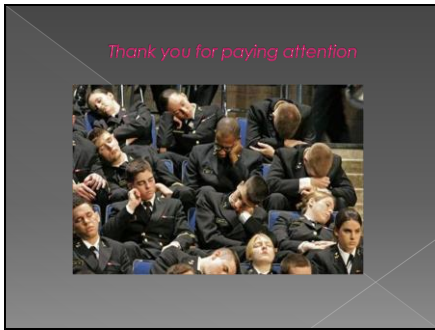
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Slide 39



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