



Module 3: Oral Diseases

Tooth Decay: From Mercury Toxicity to Root Canals, Jawbone Infections and Systemic Health

1. Introduction and Overview of Oral Health: 00:00:07

- Introduction to Module 3 and review of previous modules.

2. Tooth Decay and Systemic Health: 00:00:56

- Discussion on tooth decay and its implications for systemic health.
- Introduction to apical periodontitis and root canal treatments.

3. Environmental Stressors and Dental Materials: 00:02:38

- Environmental stressors and the use of dental mercury amalgam.
- Examination of dental cysts and X-ray analysis.

4. Tooth Structure and Decay Process: 00:07:02

- Structure of a healthy tooth and the process of remineralisation and demineralisation.
- Role of saliva in oral health.

5. Prevalence and Impact of Tooth Decay: 00:12:33

- Statistics on the prevalence of tooth decay in different populations.
- The impact of fluoridation on decay rates.

6. Dental Materials and Mercury Amalgam: 00:18:17

- Discussion on dental materials, specifically mercury amalgam.
- Issues with mercury amalgam and alternatives.



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7. Root Canal Treatment: Controversies and Techniques: 00:21:19

- Detailed exploration of apical periodontitis, its prevalence, the microbiome involved, and the systemic connections. An explanation of root canal treatment procedures.
- Technical challenges and considerations in root canal treatments.

8. Systemic Links and Microbiome - 00:24:16

- Microbiome of periodontal and apical periodontitis.
- Systemic links between oral health and diseases.

9. Neuralgia-inducing cavitation Osteonecrosis (NICO): 00:47:24

- Introduction to NICO and its contentious nature in dentistry.
- Case study and treatment of NICO.

10. Mercury Exposure, Safe Removal (SMART Protocols) and Health Risks: 01:06:01

- Health risks associated with mercury exposure from dental amalgam.
- Occupational health risks for dental professionals.

11. Fluoride and Public Health: 01:46:06

- Discussion on fluoride use in dentistry and public health implications.
- Examination of fluoride's impact on health, including thyroid function and IQ.

12. Conclusion and Next Steps: 02:04:29

- Conclusion and preview of the next module on nutrient-dense diets and oral development.