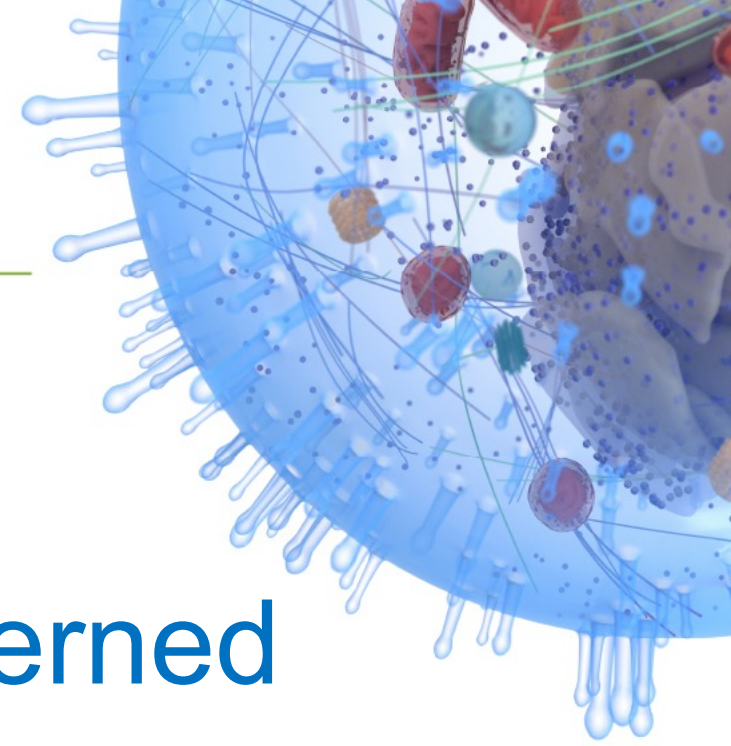




Why and how are dentists concerned with immunometabolism ?

Dr Elisabeth JOHAN-AMOURETTE

Immunometabolism depends on :

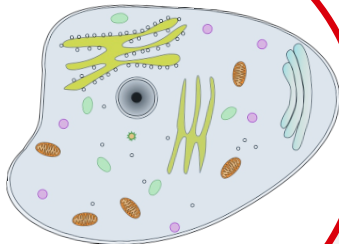
Inflammation

Gut
microbiota

Redox system

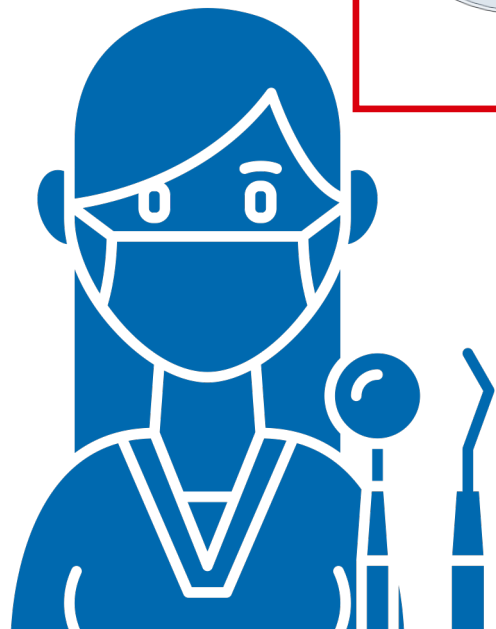
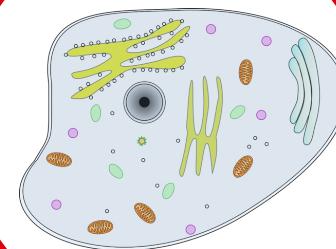


Body condition ?
Impact on oral health ?



Cell functioning and
communication ?

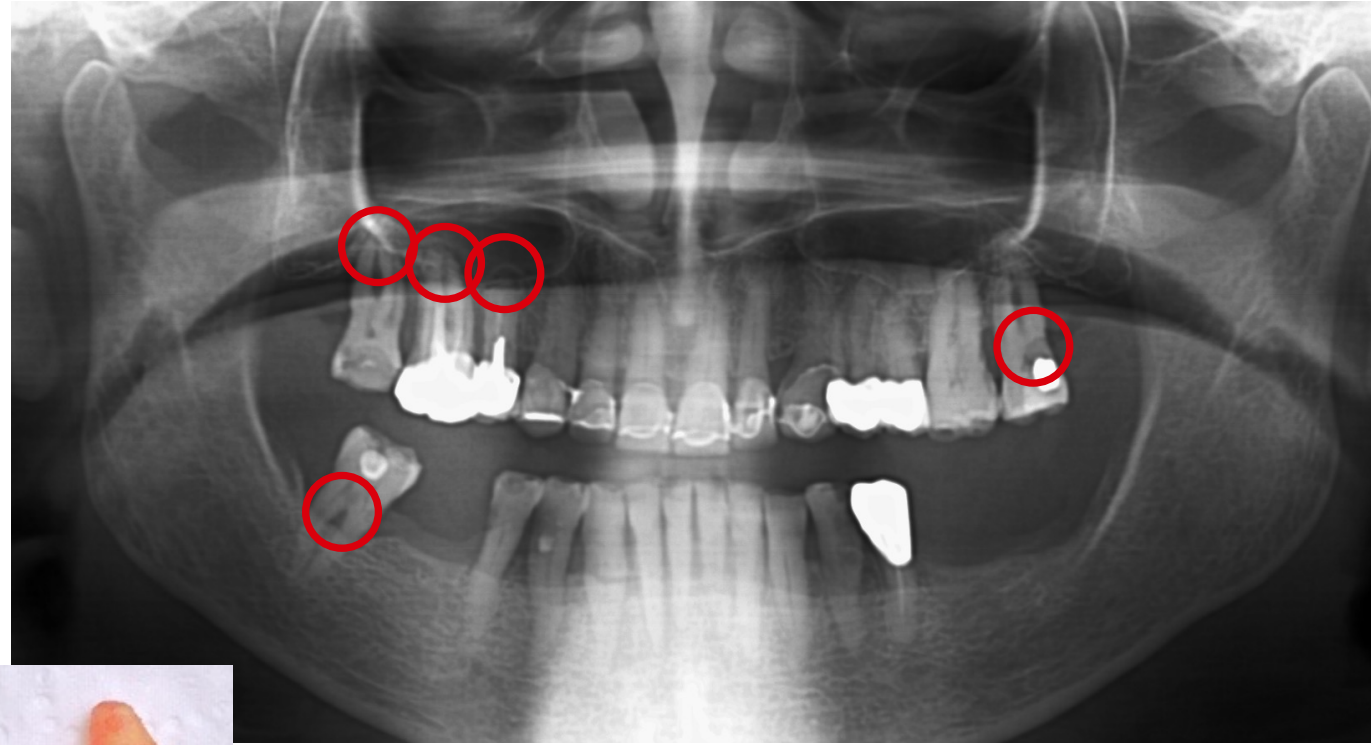
Dental condition ?
Impact on body ?



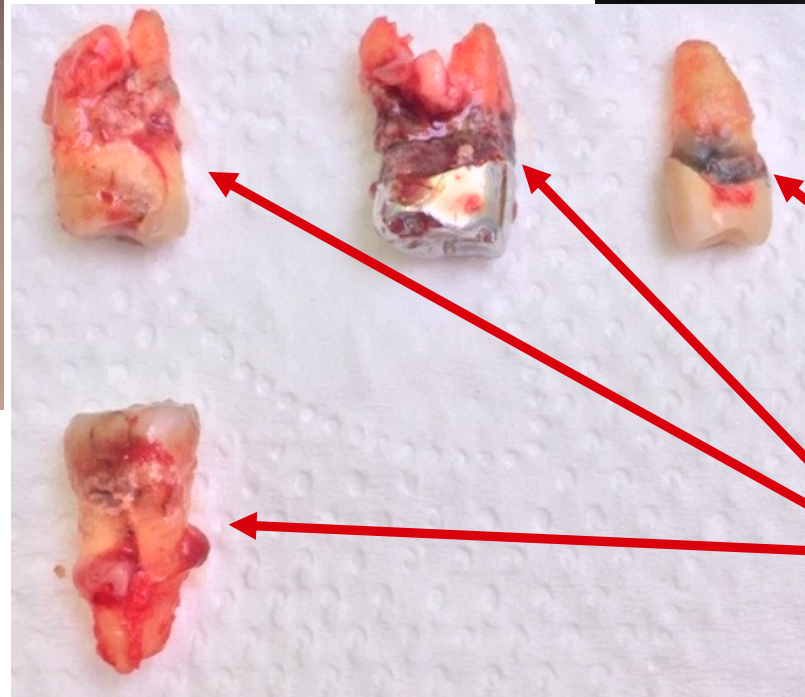


73 years old

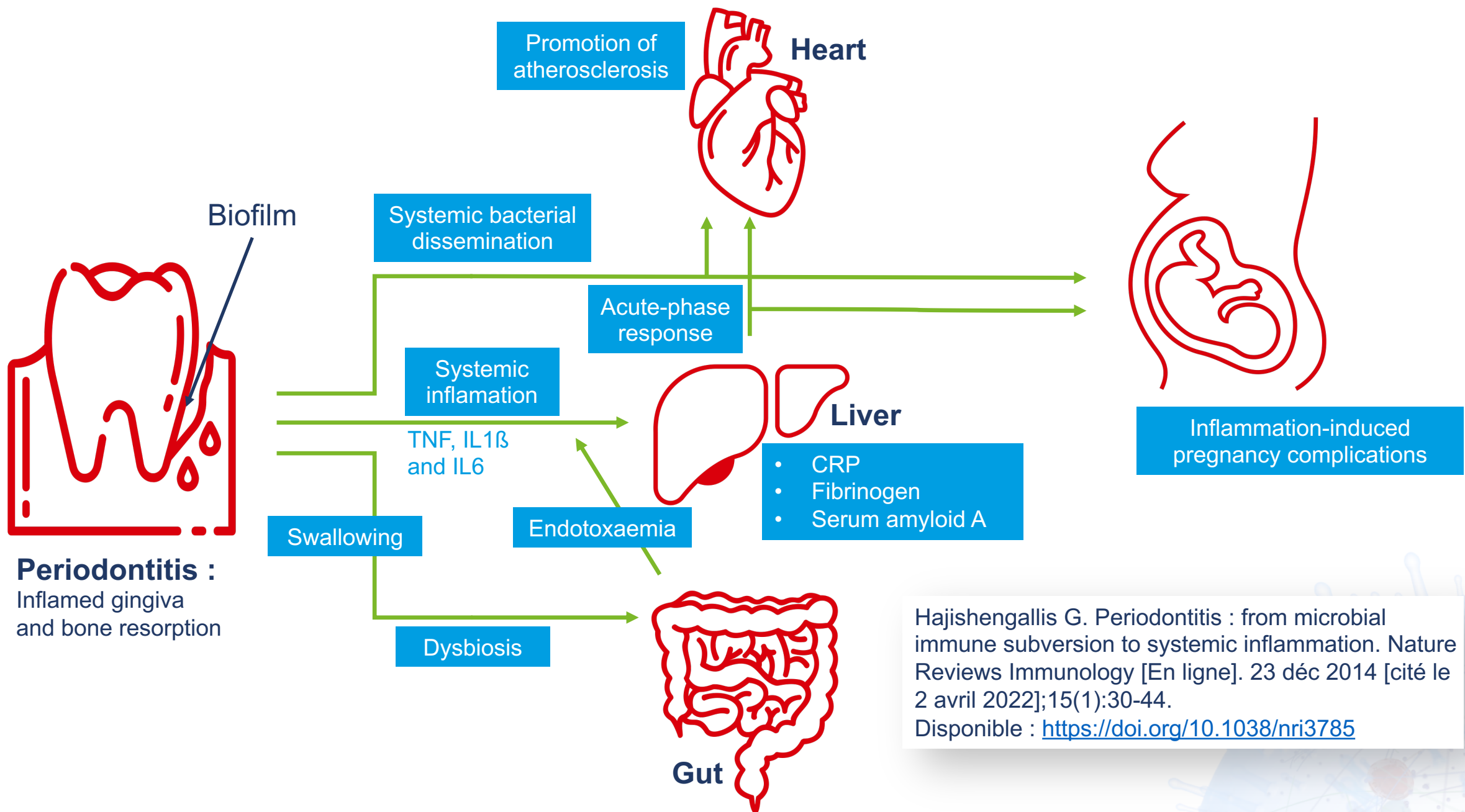
Dental check-up before heart surgery



No dental pain, but...



- Blackish discoloration on teeth with metallic reconstructions: migration of metallic ions in the tissue
- Abondant granulation tissue = chronicity of inflammation / infection



Hajishengallis G. Periodontitis : from microbial immune subversion to systemic inflammation. Nature Reviews Immunology [En ligne]. 23 déc 2014 [cité le 2 avril 2022];15(1):30-44.
Disponible : <https://doi.org/10.1038/nri3785>

Inflammation

Redox
system

Stress

Oral hygiene

Nutrition

Addictions

Dental examination

Symbiosis
/
Dysbiosis

Dental materials

Genetics

Antibiotic / antiseptic

Immunity