Case study Dental diagnostic technologies

Fast, convenient diagnosis from the dentist's chair

From biomarkers to imaging technologies. Sagentia has deep experience working with imaging & diagnostic technologies and transferring this experience into the dental domain

IMAGING

Just some of the technologies with which we work:-

- 3D x-ray
- Intraoral imaging
- Connected consumer devices combined with an app
- Near infrared
- Raman spectroscopy
- Optical coherence tomography
- Natural fluorescence
- Enhanced fluorescence

SALIVARY DIAGNOSIS

Biomarkers of periodontal disease

Inflammatory

β-glucoronidase
C-Reactive Protein
IL-1β
IL-6
Macrophage inf protein-1α
TNF-α

Connective Tissue Degradation

α2-macroglobin
MMPs
TIMPS
Aminotranferases

Bone remodelling

Alkaline phosphatase
C-term Type 1 collagen degradation products
Receptor activation of NF-kβ ligand