iTero Element® 5D imaging system

Case library

Clinical case-based scenarios demonstrating the application of NIRI technology and its efficacy as a diagnostic aid.

it starts with iTero®

Case library

iTero element 5D

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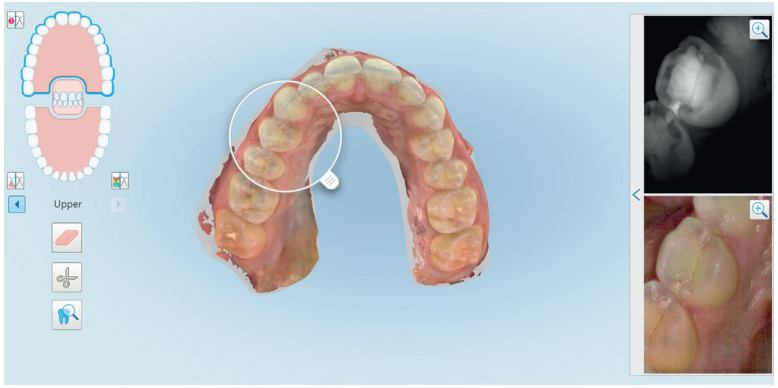
Case 1

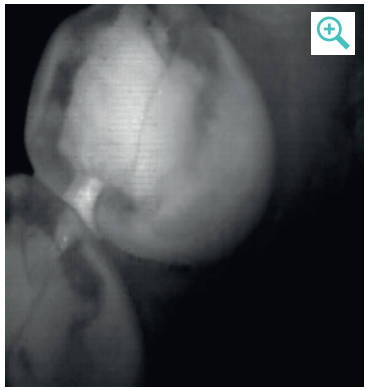
Dr. Olivier Boujenah, Paris France

"In this case, I had a doubt after both the visual examination and x-ray but after I viewed the NIRI image, it was clear to me that I could proceed to treat this tooth."

iTero Element 5D software

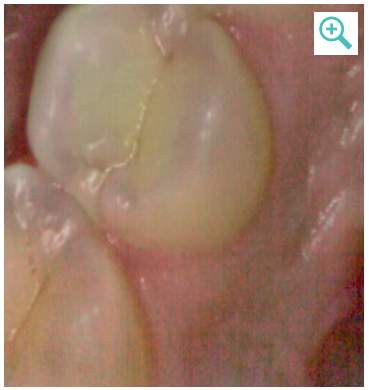


NIRI



Adjacent established lesions in #4 and #5 reaching the dentin.

Intraoral camera



Radiography

Does not clearly indicate an issue.

Treatment

Doctor made a decision to treat and indeed verified the presence of the lesion.

Feedback and quotes received from doctors participating in Limited Market Release

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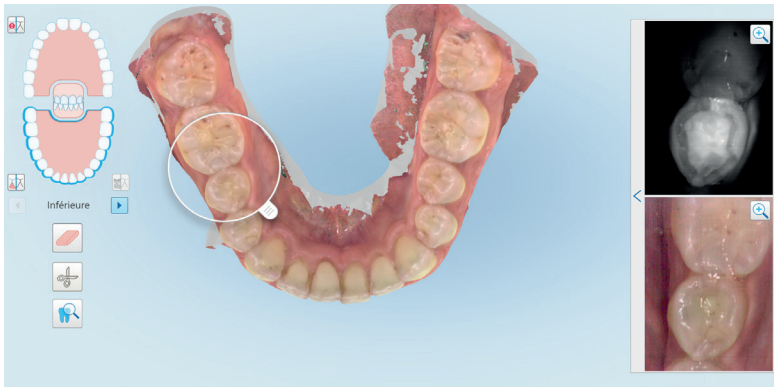
Case 2

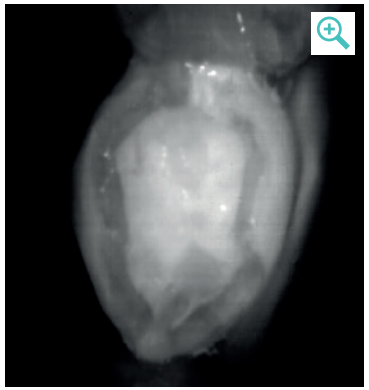
Dr. Olivier Boujenah, Paris France

“After I scanned the patient, I could clearly see caries in the NIRI image (this lesion might have gone undetected otherwise). NIRI technology really helped me identify the exact position, extent and shape of the lesion.”

iTero Element 5D software

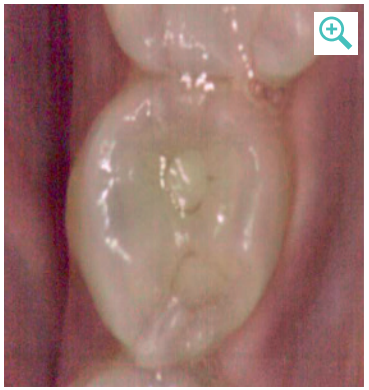


NIRI



Established interproximal carious lesion in the distal of #29, reaching the dentin.

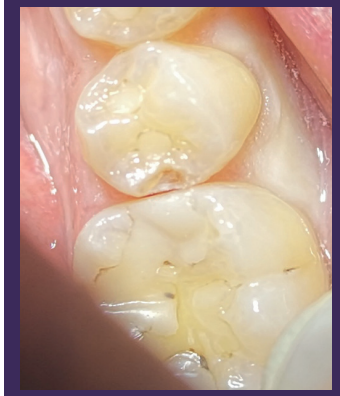
Intraoral camera



Radiography

Does not clearly indicate an issue.

Treatment



Doctor made a decision to treat and indeed verified the presence of the lesion.

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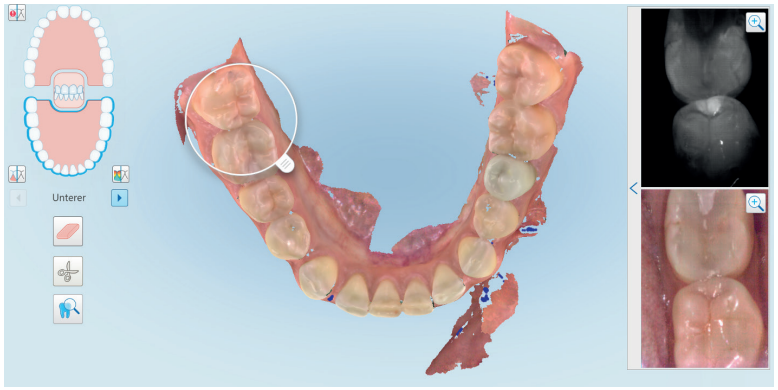
Case 3

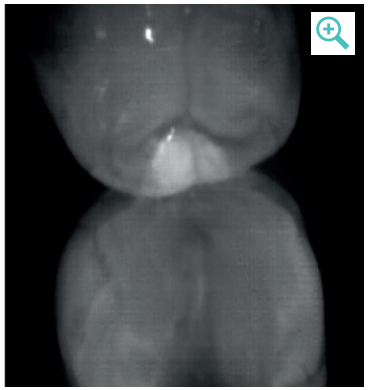
Dr. Ingo Baresel, Cadolzburg Germany

"The NIRI image suggests a bright conical lesion with its apex directed towards the dentin; suggesting the presence of a carious lesion in the mesial of #31. Also, seen in this image is a dark area in the mesial of #30 suggesting presence of a restoration. With the NIRI image used as a reference, I removed the affected tooth structure and did a restorative procedure."

iTero Element 5D software

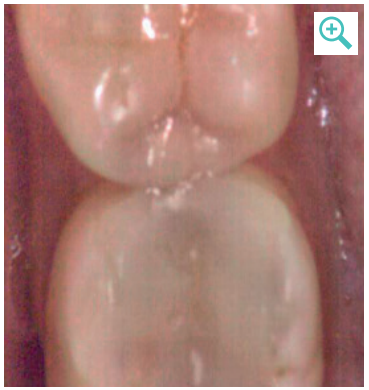


NIRI

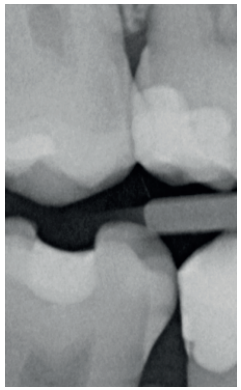


Adjacent established lesions in #31 reaching the dentin.

Intraoral camera



Radiography



There is the presence of a mesial caries lesion tooth #31 on the bitewing.

Treatment

Doctor made a decision to treat and indeed verified the presence of the lesion.

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Case 4

Dr. Ingo Baresel, Cadolzburg Germany

“The NIRI image suggests 2 bright conical lesions with its apex directed towards the dentin that suggests the presence of a carious lesions. With the NIRI image used as a reference, I removed the affected tooth structure and did a restorative procedure.”

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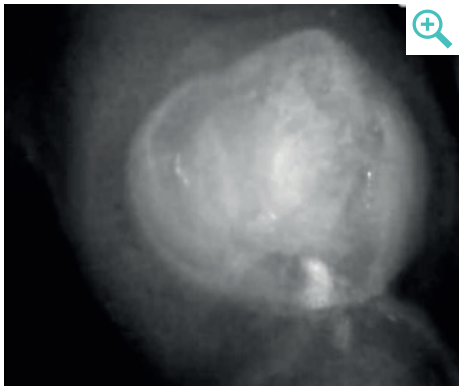
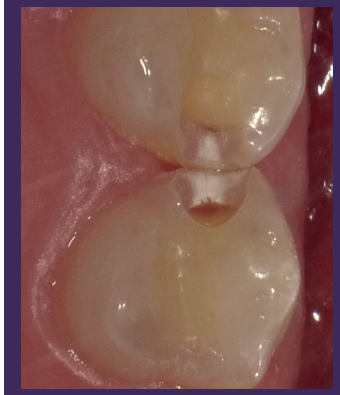
NIRI



2 established interproximal lessions, on distal of #12 and mesial of #13 reaching the dentin and requiring treatment.

Intraoral camera

Treatment



Doctor made a decision to treat and indeed verified the presence of the lesion.

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Case 5

Dr. Dana Colson, Toronto Canada

"I identified a bright, wedge-shaped area on the distal of the left maxillary first premolar and both mesial and distal surfaces of the second premolar indicate early carious lesions under NIRI. I did a bitewing radiograph which confirmed that all three lesions have extended beyond the DEJ. NIRI indicated presence of proximal carious lesions of various buccal/lingual widths advancing towards the the DEJ (#12 and #13). The appearance of a grey shadow on the occlusal surface close to the distal marginal ridge of the second premolar suggests possible interproximal decalcification."

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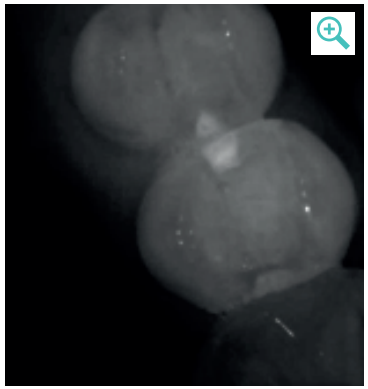
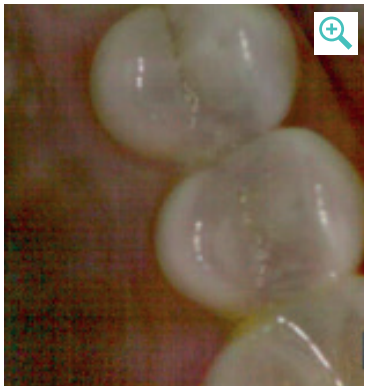
NIRI

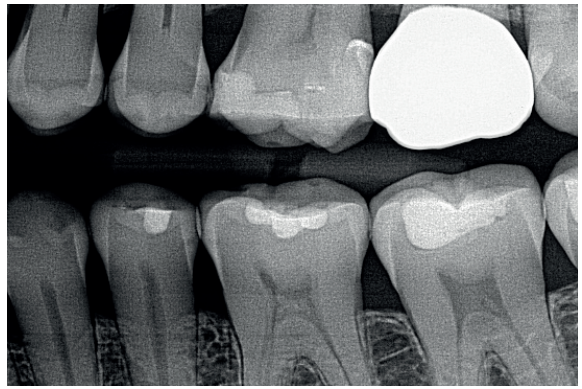


2 interproximal caries lesions rather established in #12 and #13.

Intraoral camera



Radiography



2 caries lesions seen on the bitewing x-ray.

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