

# Alpinion's Innovative Transducer - Intraoral transducer (IO3-12) -

ALPINION's sophisticated intraoral transducer, IO3-12 is the innovative product for transoral sonography. The IO3-12 is designed in the toothbrush type to provide convenient usage for the transoral sonography diagnostic process. With the small head of the transducer, IO3-12 clearly shows the near field of the intraoral structures especially in order to diagnose the salivary duct dilatation. It can help physicians check where the salivary stone is and whether it remains in real time during sialolithotomy. Please check the new concept of transducer for the transoral sonography.



## Main Features

- Designed for transoral sonography
- Diagnostic accuracy from ultrasound scans of the salivary glands
- Real-time check of the salivary stone during sialolithotomy
- Small footprint with high resolution

## Research Paper

### Transoral Sonographic Diagnosis of Submandibular Duct Calculi

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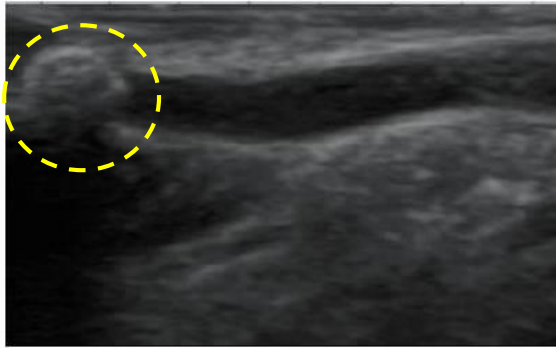
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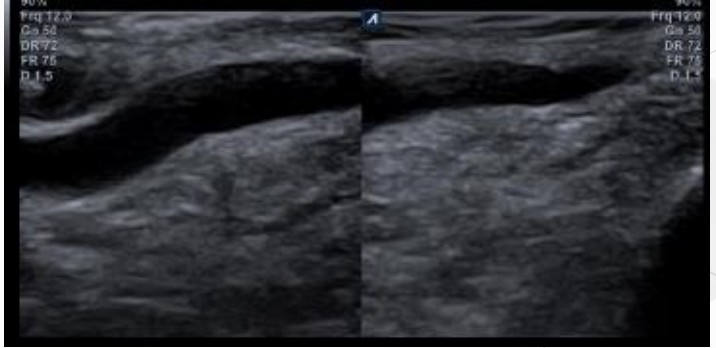
## How to grab



## Case Review : Wharton's duct stone and dilatation

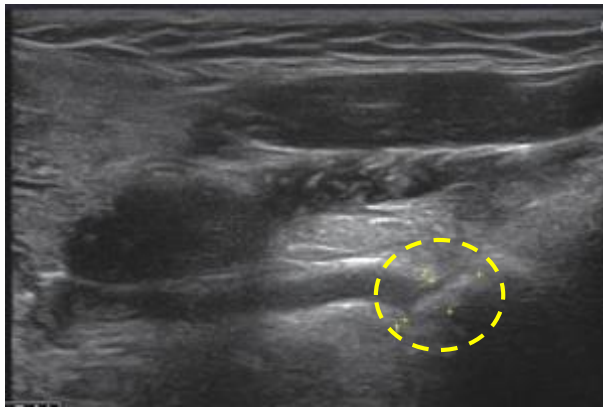


[Duct Stone]

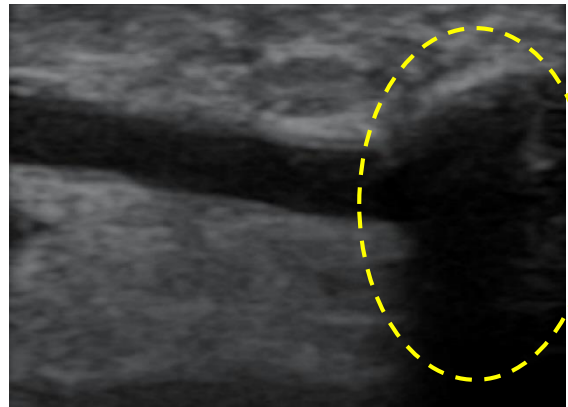


[Dilatation]

## Conventional vs. IO3-12 (Salivary)



[L8-17X]



[IO3-12]

## Product Specifications

Transducer Type	Small footprint linear array
Application	Submandibular Duct (Transoral)
Frequency bandwidth	3 - 12MHz
Number of element	80 elements
FOV	16mm
Footprint	22.8 x 6.4mm
Scanning Depth	100mm

## E-CUBE Systems Applicable



### ALPINION MEDICAL SYSTEMS

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