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iRYS 8.0

Release of **01/06/2017**

New Software functionalities



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New Software functionality iRYS 8.0

Release of **01/06/2017**

- **EXTENDED OS COMPATIBILITY**
  - Main Workstation is now compatible with **Windows 10 Professional – 64 bit** for Hyperion X5 and Hyperion X9
- **IMPROVED PATIENT RECORD**
  - Patient picture is now addable
  - Minimal Word-like editor to write an editable and printable patient description
- **IMPROVED 2D WORKFLOW**
  - Multiple print options
  - Quick tooth assignment
  - Quick scenario toggle
  - **Import and referencing of a 2D image coming from a 3D Volume**
- **IMPROVED 3D WORKFLOW**
  - Quick Multiplanar views toggle
  - Edit cross sections height
  - Simplified change of Panorex rendering
  - New Sharp 2D PAN from 3D dataset
  - Extended implant database
- **iRYS STATION ON MAC**
  - iRYS Station can run on a Parallels-emulated installation of Windows on a Mac computer
- **iRYS MOBILE for iPAD**
  - New APP to View 2D images on iPad from a shared iRYS database

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WINDOWS 10 COMPATIBILITY



Windows 10

For Main Workstation

- Main Workstation will be compatible also with Windows 10 - 64 bit for CBCT units
  - **Hyperion X9 - CB3D**
  - **Hyperion X5 - 3D/2D**
- Acquire 3D data directly on a Windows 10 workstation
- 2D acquisition iRYS Station is already a possibility on Windows 10
  - **Hyperion X5 2D**
  - **Hyperion X9 «3D ready»**

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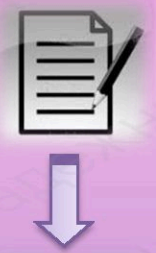
IMPROVED PATIENT RECORD



- Add a picture to the patient's record (avoid homonymies)



- Write a patient file (i.e., examination/diagnosis/ treatment record) by means of a user friendly, Word-like text editor



- Print patient record



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IMPROVED 2D WORKFLOW

Multiple quick print options



- Right-click option to print a selection of images

- Right-click option to print current scenario (i.e**., dental status**)

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IMPROVED 2D WORKFLOW

Quick tooth assignment



- Toolbar option to enter tooth assignment window
- Quick and easy way to cathegorize and sort images

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IMPROVED 2D WORKFLOW

Quick scenario toggle



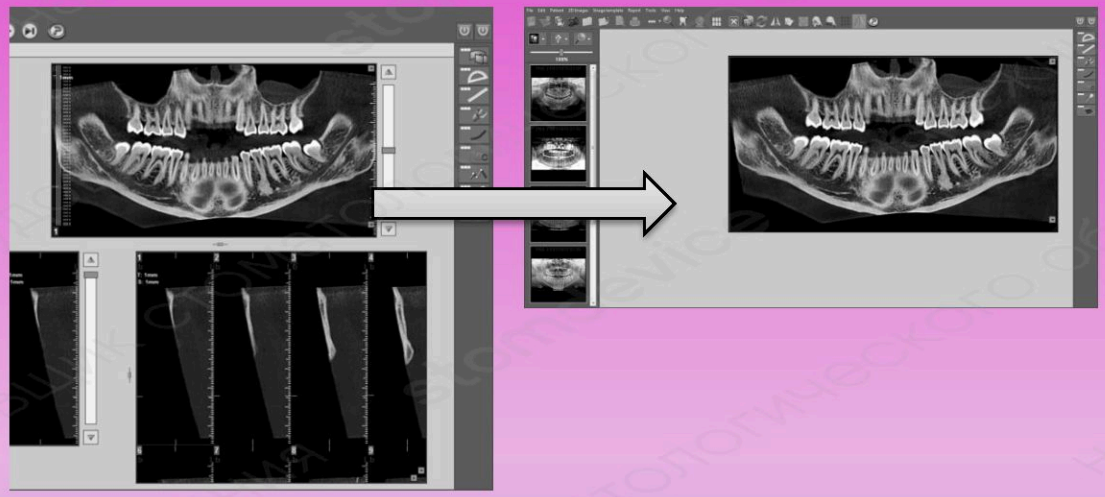
- Toolbar menu to show saved scenarios (with date)
- Select one and the images will be re-arranged

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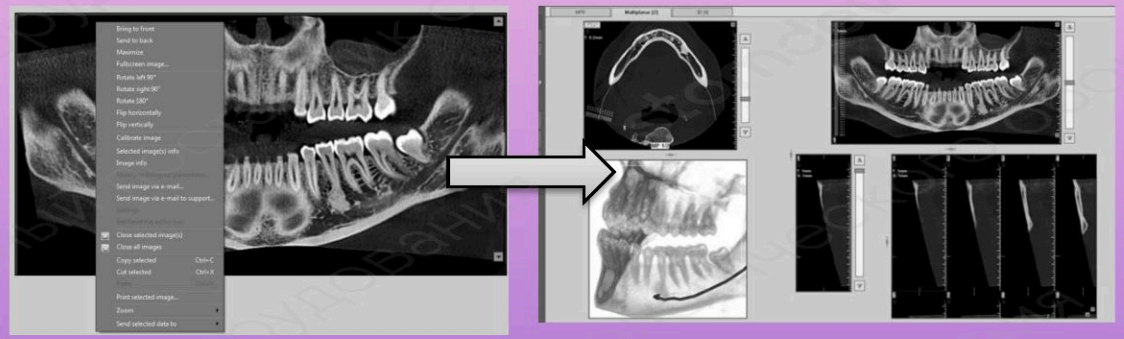
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IMPROVED 2D WORKFLOW

Import and reference from 3D to 2D



- From a 3D volume, right click on an image and send it to the 2D collection of the same patient



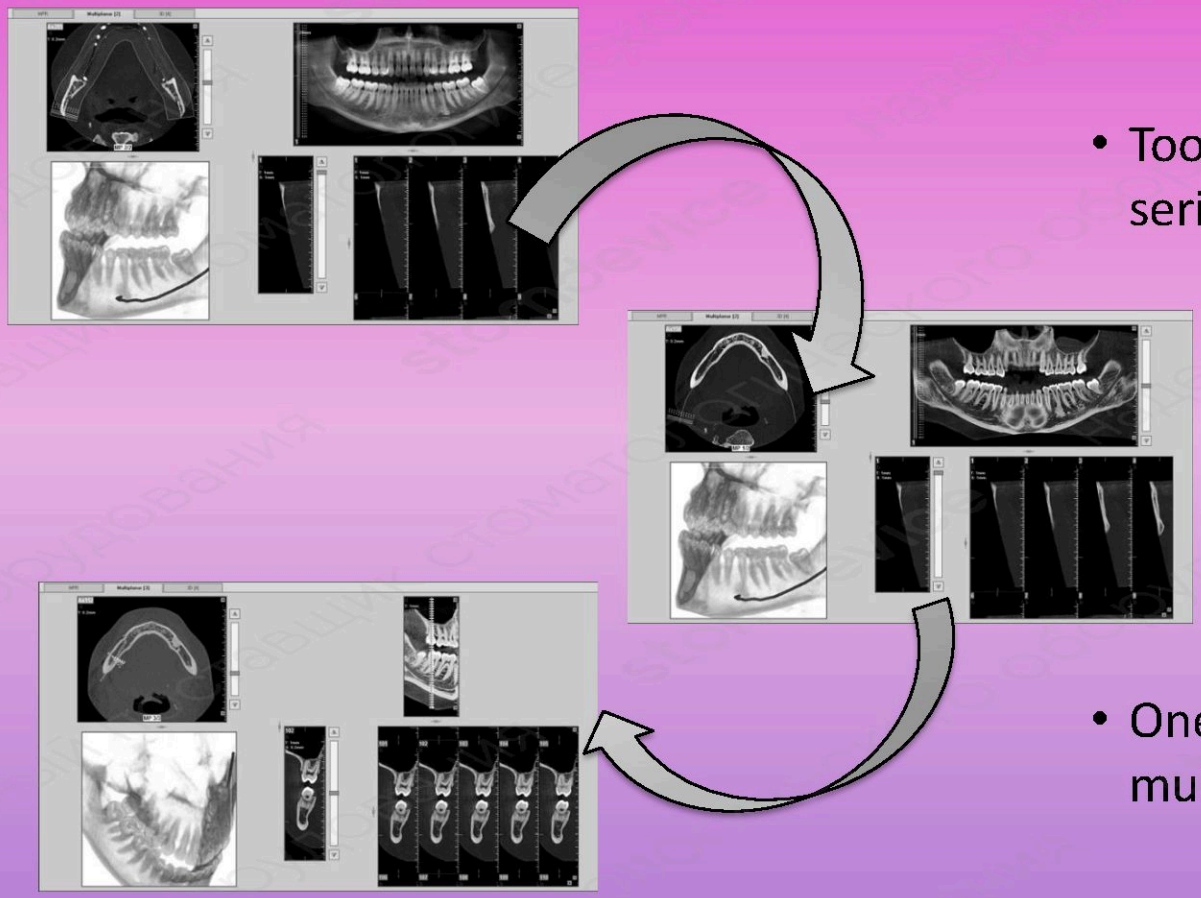
- From the 2D collection, right click on the same image to quickly open the volume from which it was extracted

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IMPROVED 3D WORKFLOW

Quick multiplanar views toggle



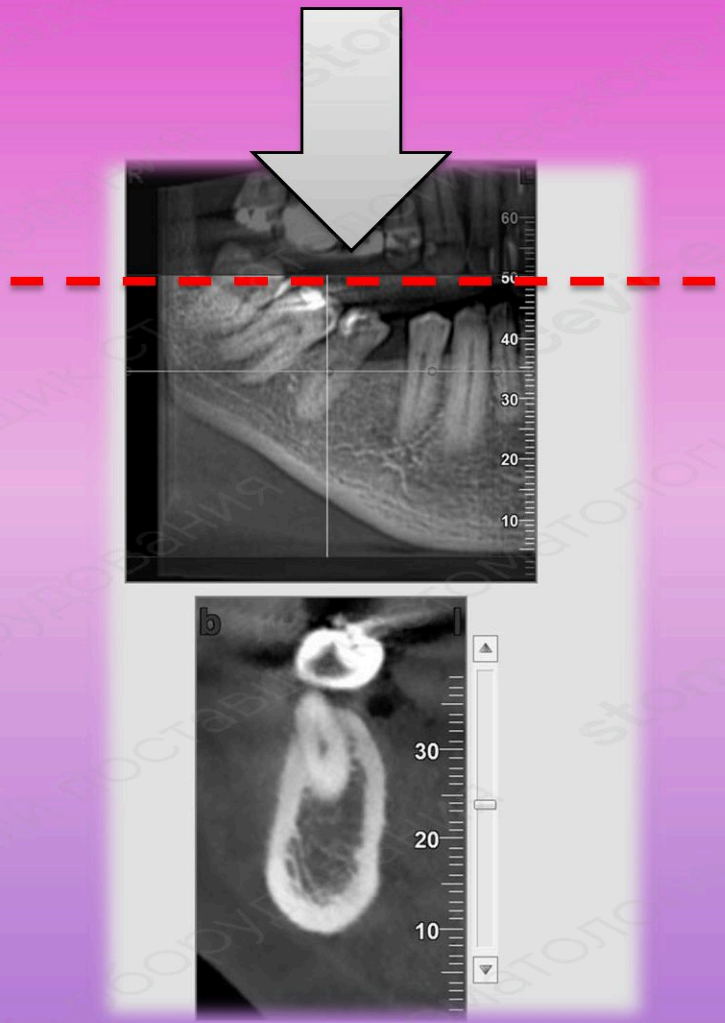
- Toolbar pop up menu to save series with name
- One click change of shown multiplanar view

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IMPROVED 3D WORKFLOW

Edit cross sections height



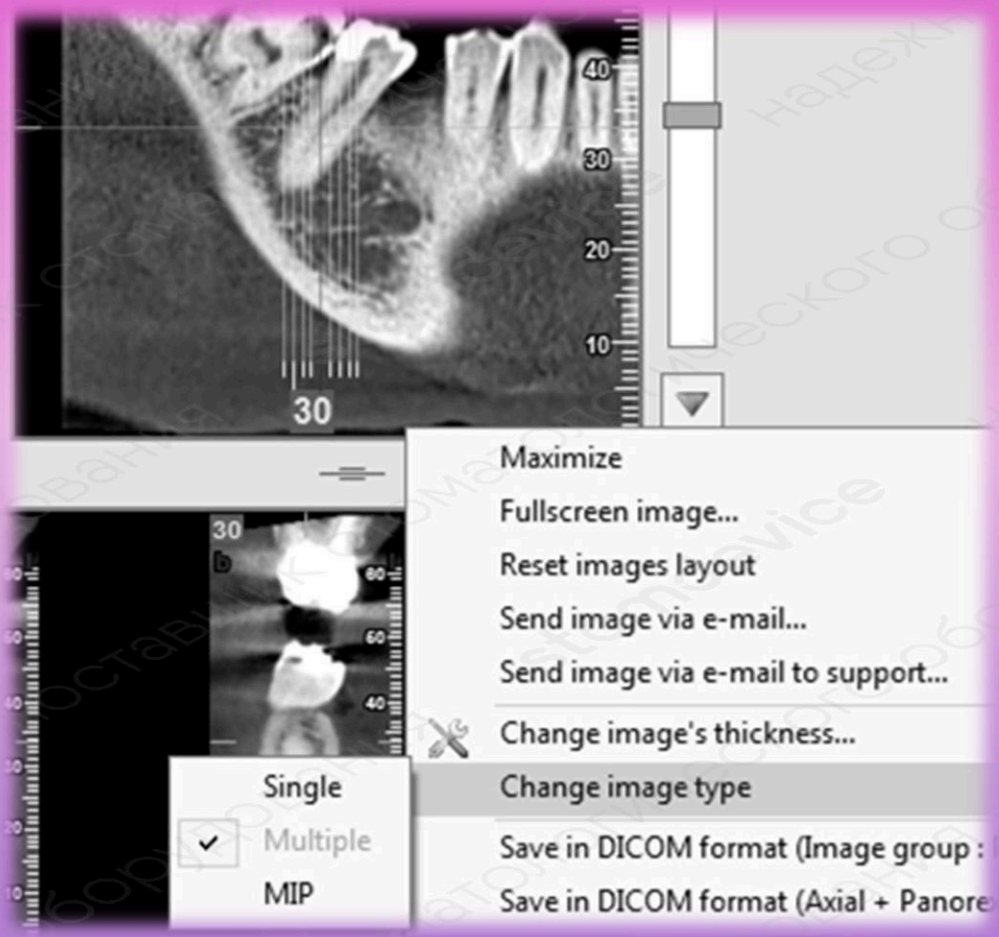
- Change the height of the cross section cut to show only a specific arch/region of interest
- Particularly useful for local analysis of big volumes

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IMPROVED 3D WORKFLOW

Simplified change of Panorex rendering

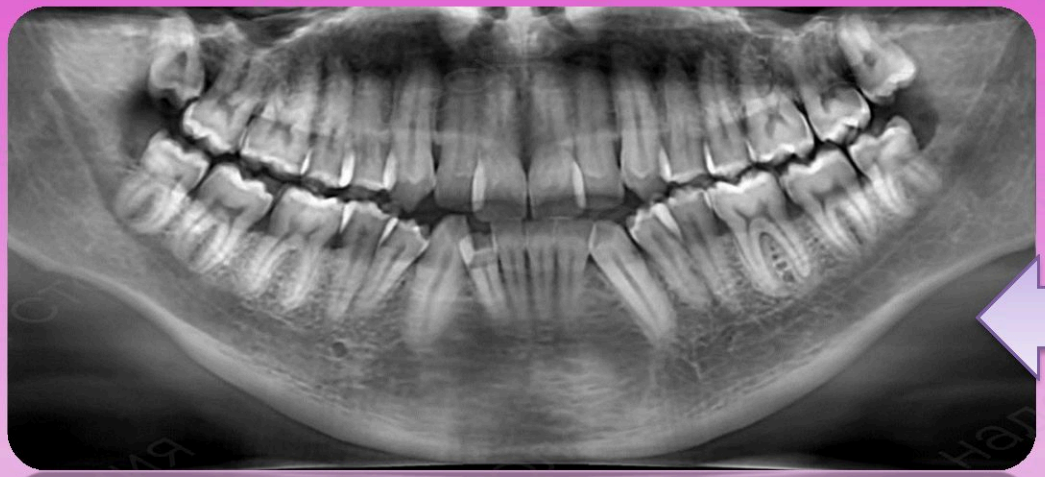


- Right-click on panorex to quickly change its rendering
- Choose between standard, multiple or MIP
- No need to enter the “Modify” section

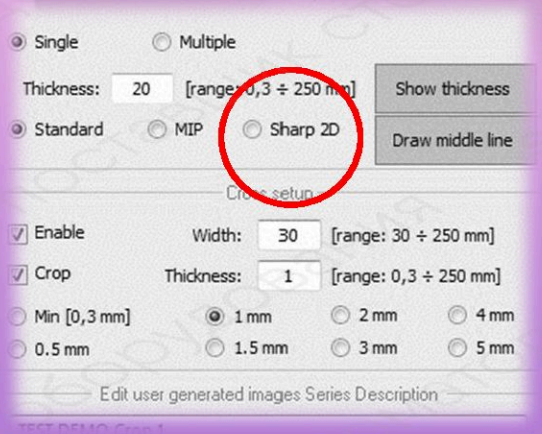
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IMPROVED 3D WORKFLOW

New Sharp 2D PAN from 3D dataset







- New Real PANORAMIC simulation from 3D CBCT DATASET for Hyperion X9 and Hyperion X5 (Patented)

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IMPROVED 3D WORKFLOW

Extended Implant Database



- Anthogyr



- Medico Dent (CZ)



- Zuga

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iRYS STATION ON MAC

Compatible with Parallels-Windows

iRYS Station can run on a Parallels-emulated installation of Windows on a MAC

- Work on iRYS DB in the LAN
- Direct launch from IOS interface



LIMITATION – The following won't work:

- **Main Workstation** of extraoral device 2D and 3D
- **iCapture** direct interface to 2D intraoral devices
- **Send data to** (direct interface to third party software (dicom)
- **NNTBridge** Direct interface to DPMS (Dental practice management software)
- **3D SMART filter application**

COST

- **Parallells Desktop licence** About 60-80 Euro (online)
- **Windows 10 Anniversary Edition** licence 100-120 Euro (online)
- **IT technician** installation and set-up (Follow MyRay configuration instructions)

Hardware & software Requirements

- Processor i5 or higher
- RAM 8GB or higher
- Graphic card 1GB or higher NVIDIA (Not integrated)
- Operating System MAC Version 10.12 (Sierra)
- Parallels Desktop version 12.1
- NNT/iRYS version 8.0 STATION (Main work station not connected to the 2D 3D units)

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iRYS MOBILE

iPad

New MyRay 2D viewer APP for iPAD

Allows viewing 2D images saved to a LAN-shared iRYS database on iPad



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iRYS MOBILE

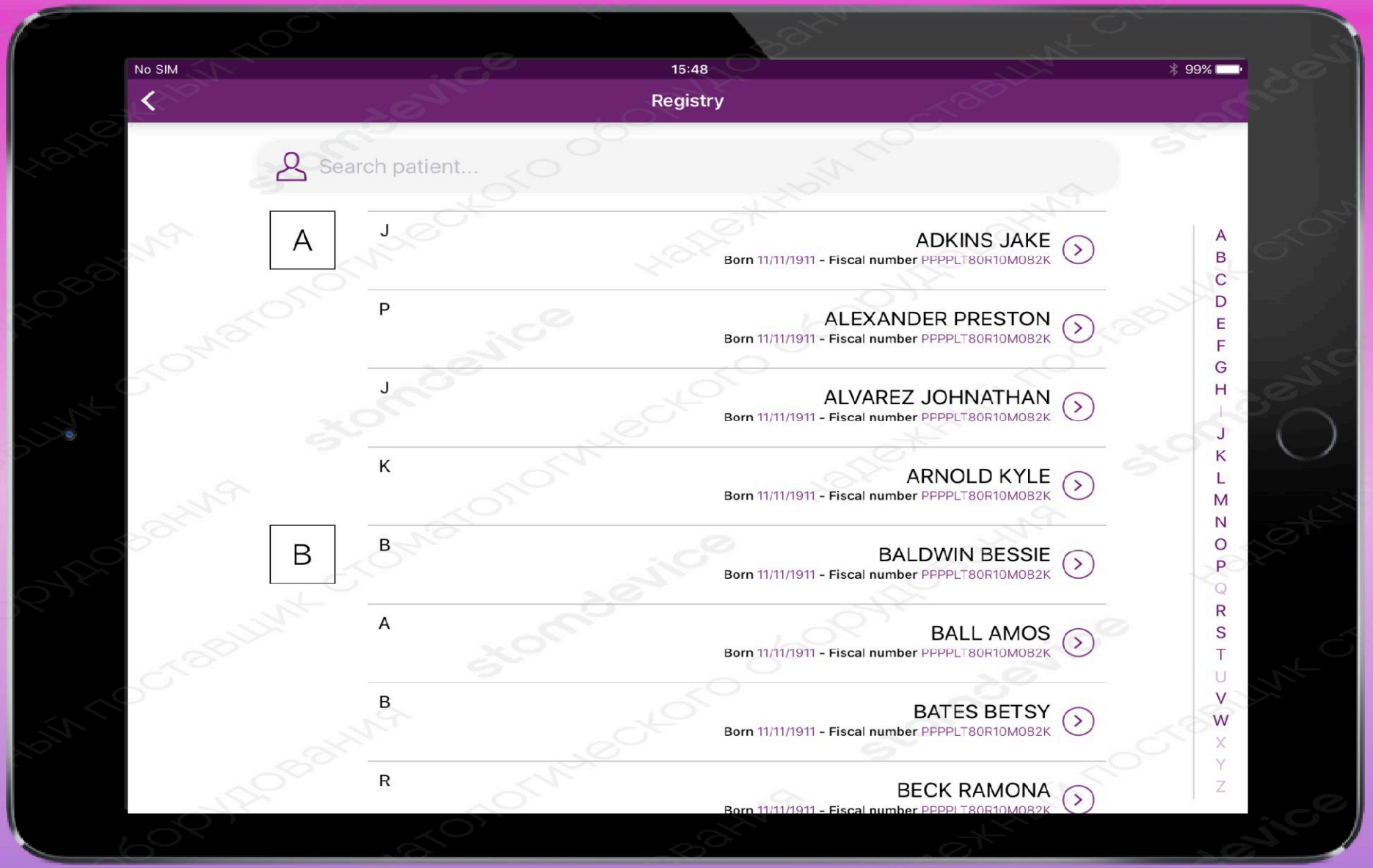


Selection of existing patients or creation of a new Patient

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iRYS MOBILE

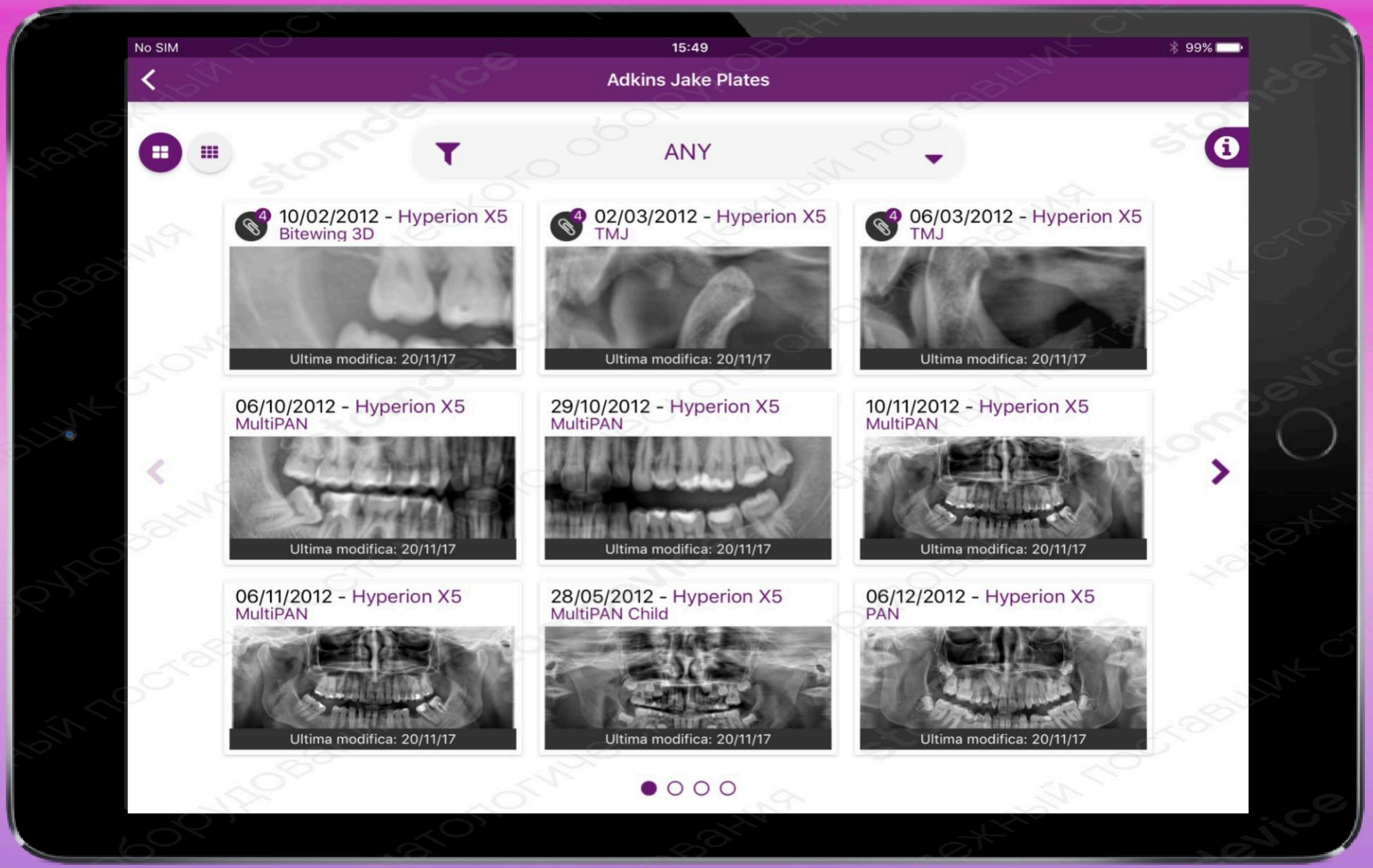


Patients Registry: search & create new Patient on LAN DB

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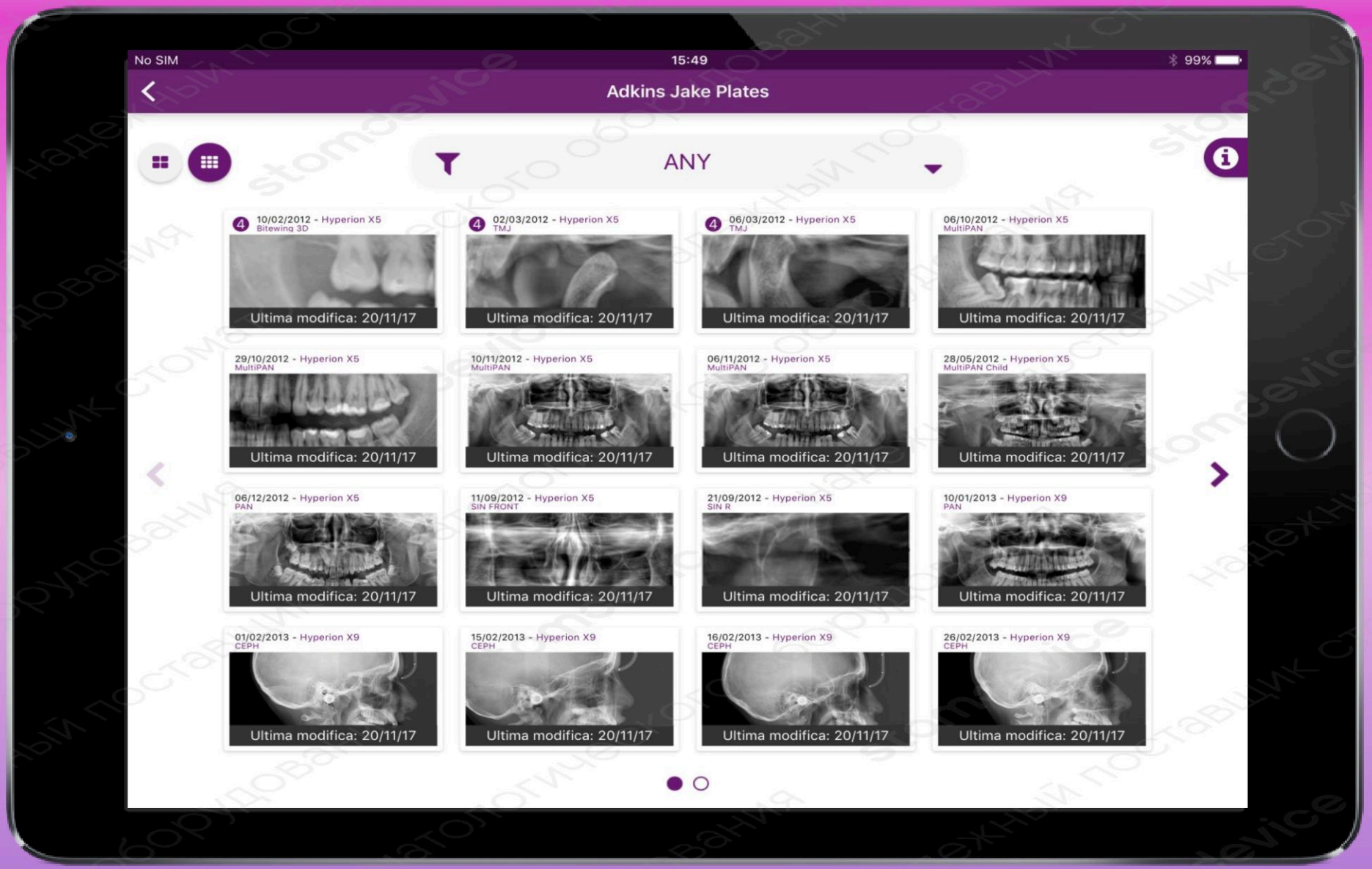


Different Grid viewing Mode

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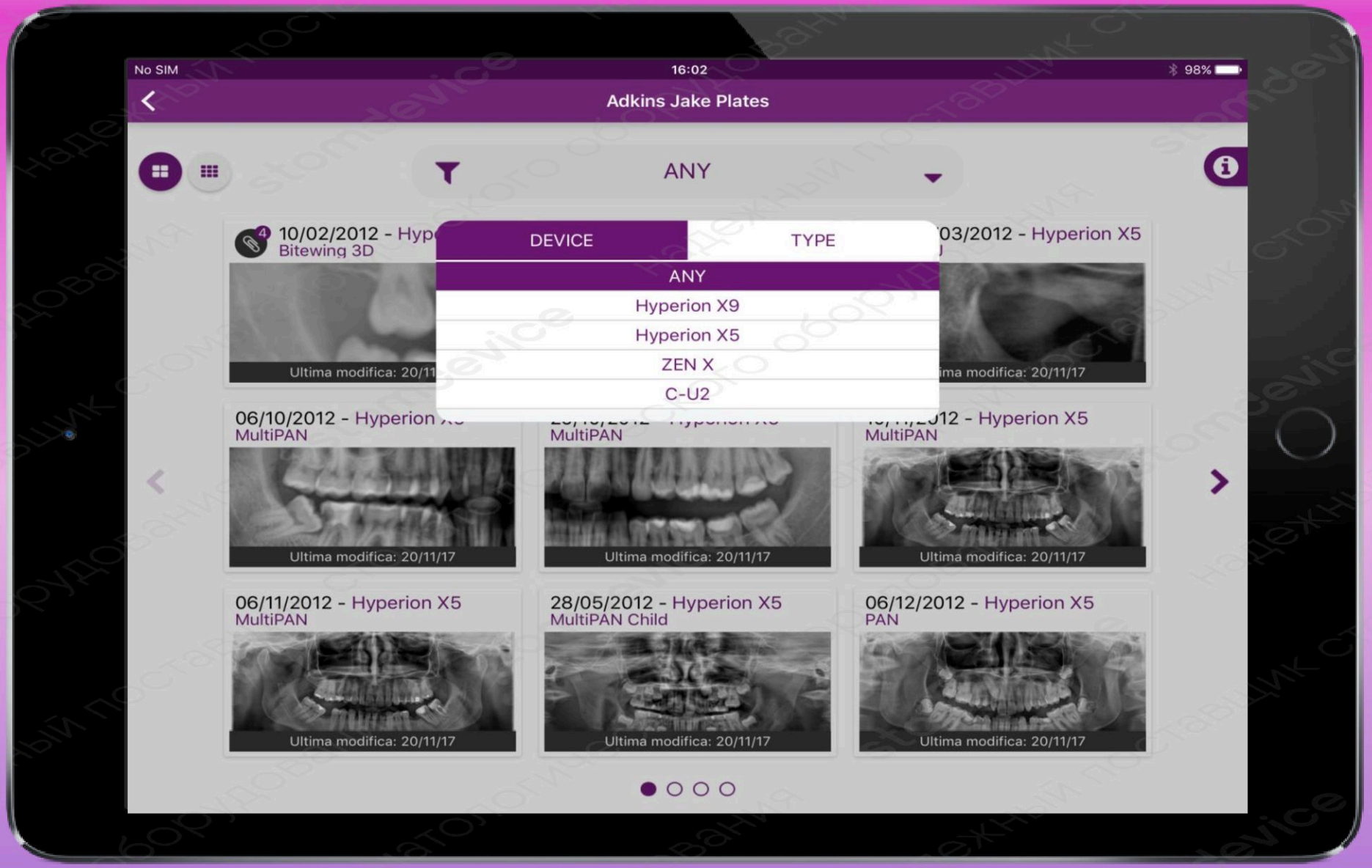
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iRYS MOBILE

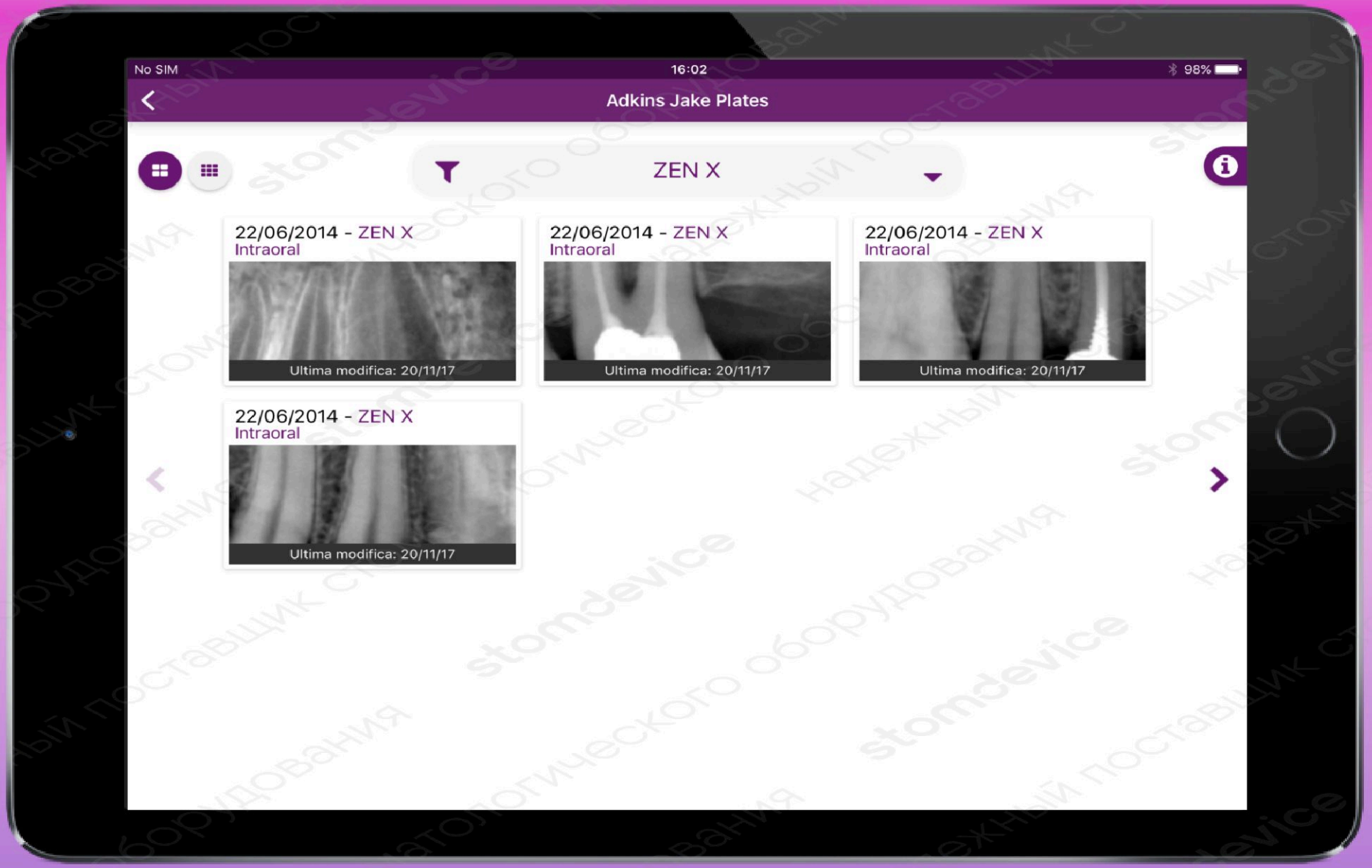


Selection of images from Different Devices

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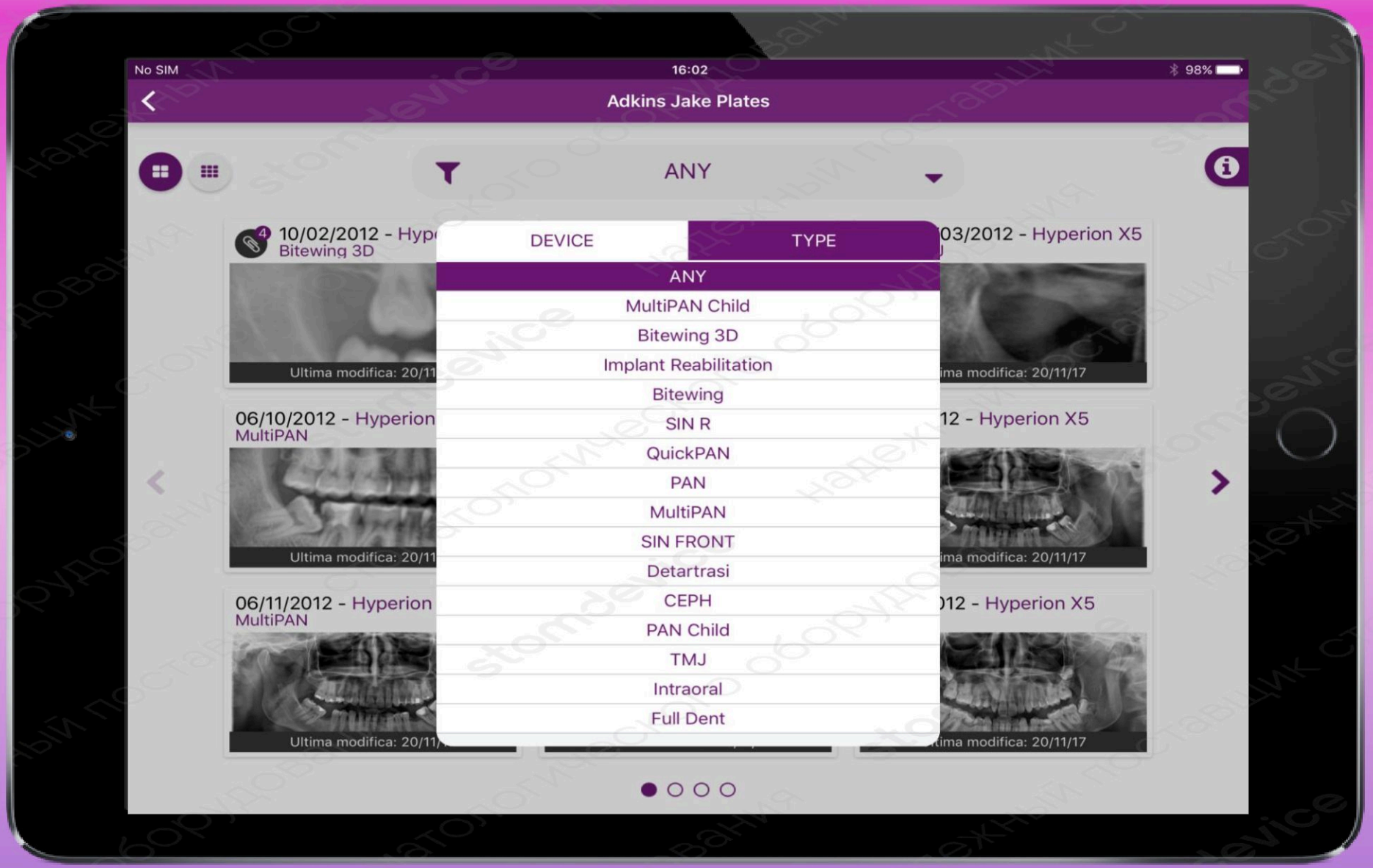
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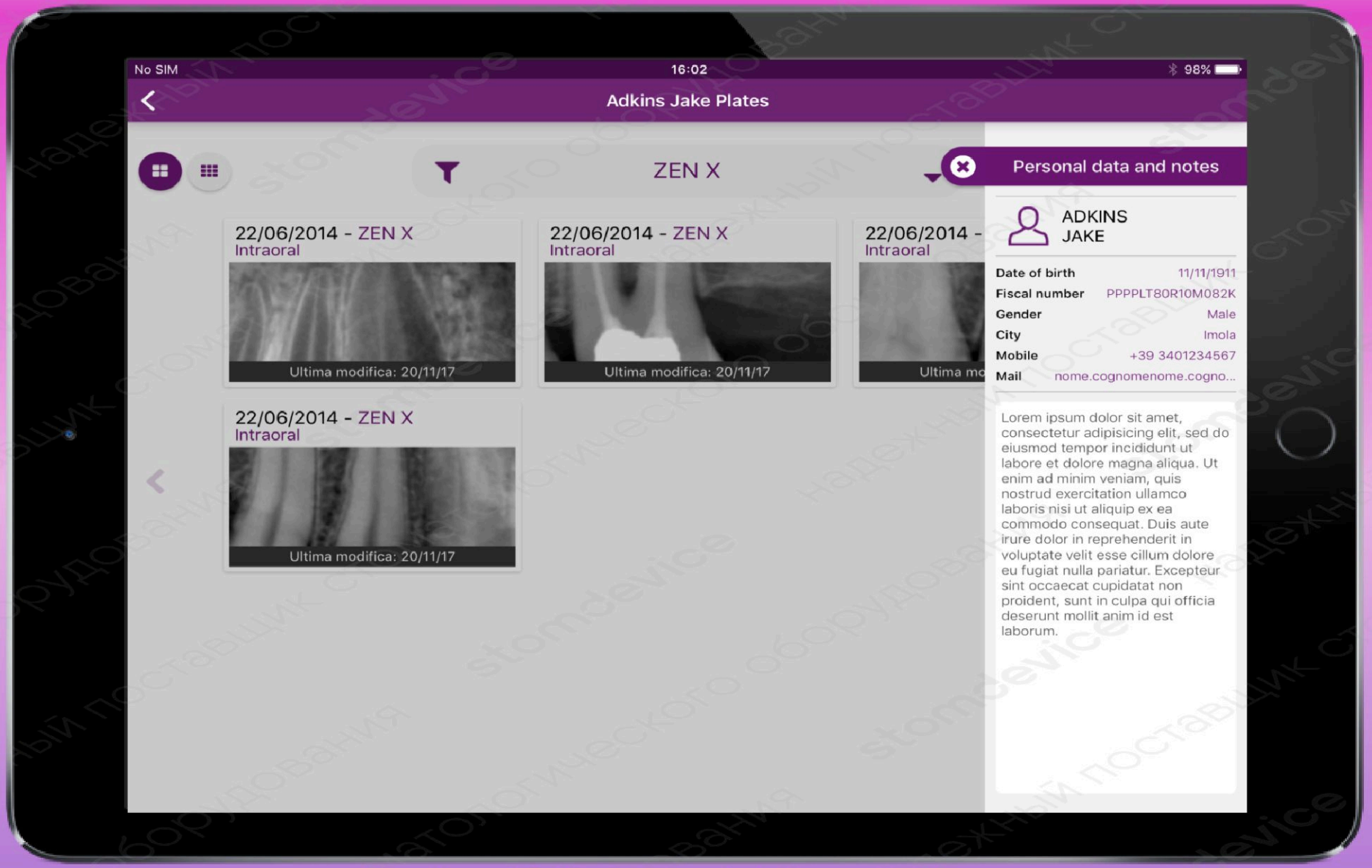


Selection of different image types

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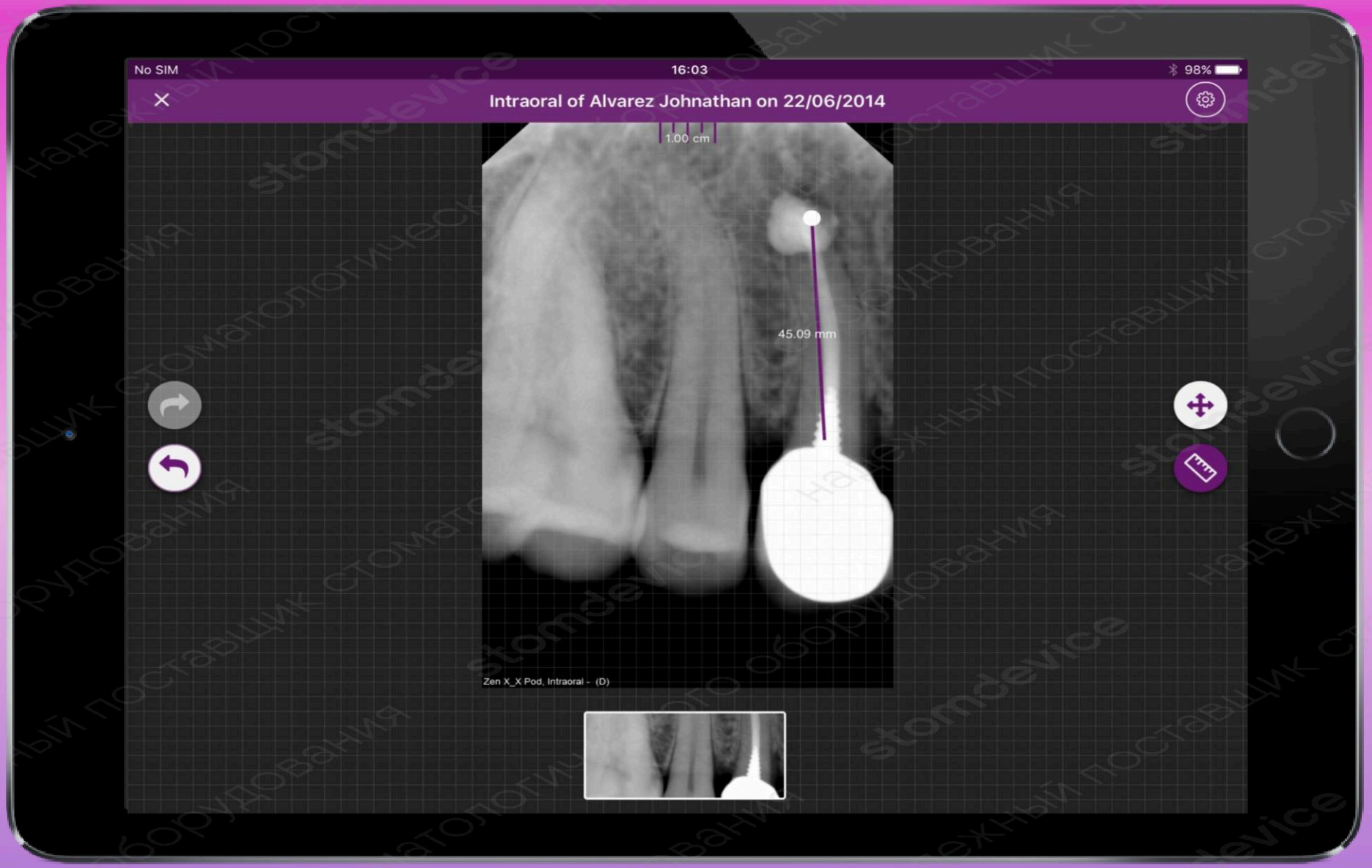


Read and Edit Personal data and notes

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iRYS MOBILE

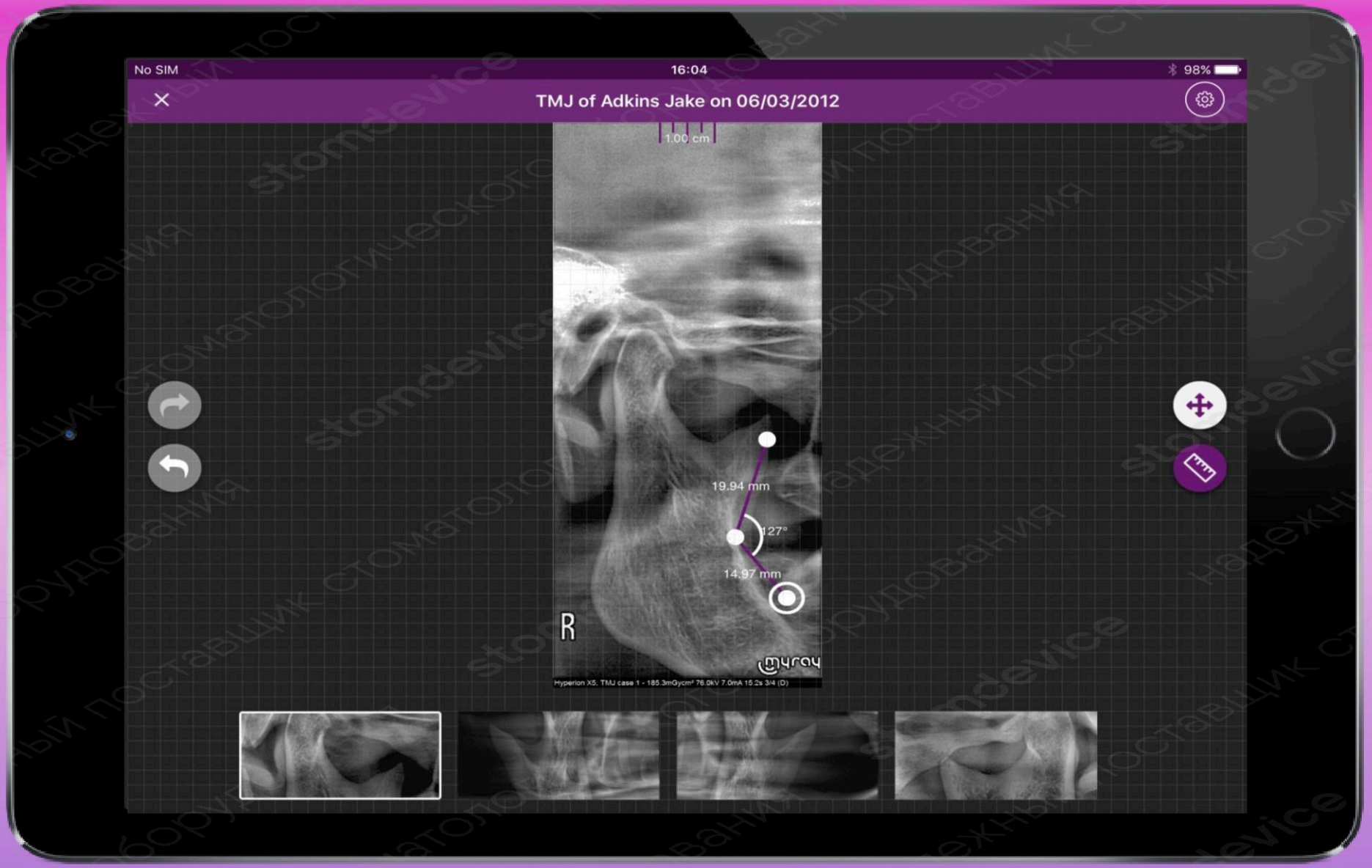


Distance measurement and calibration tool

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iRYS MOBILE

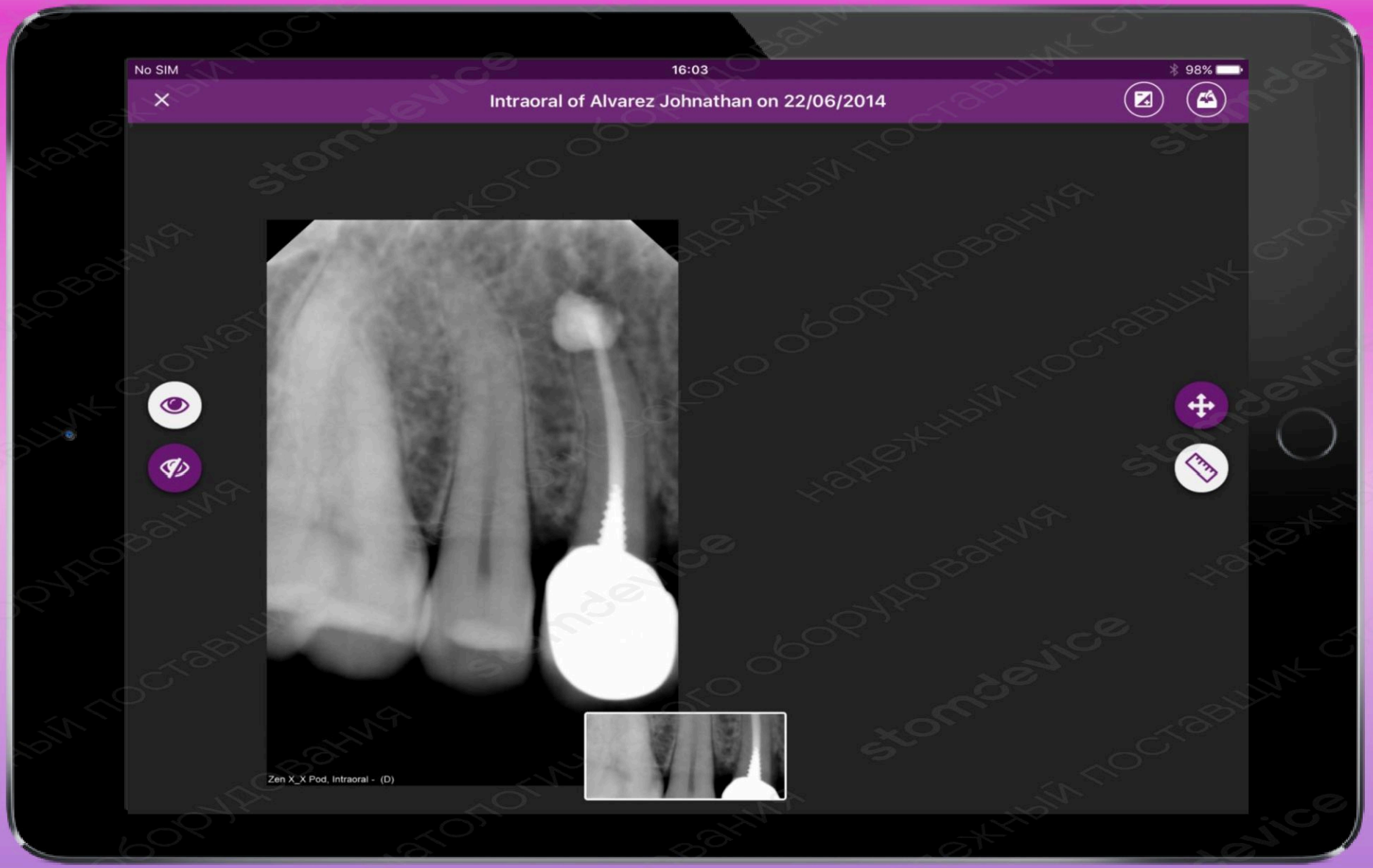


Angles measurements tool

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Show/hide images overlays

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iRYS MOBILE

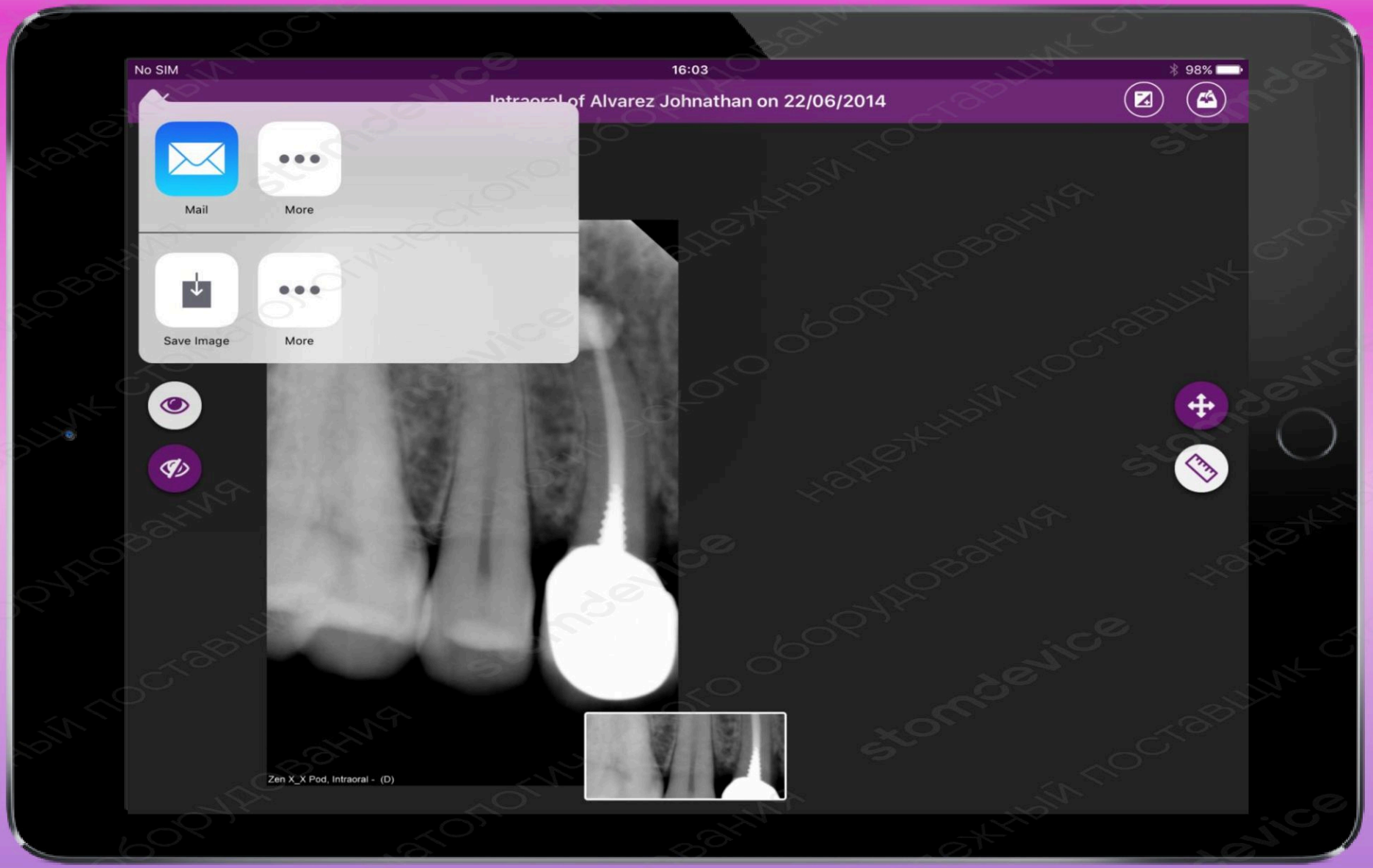
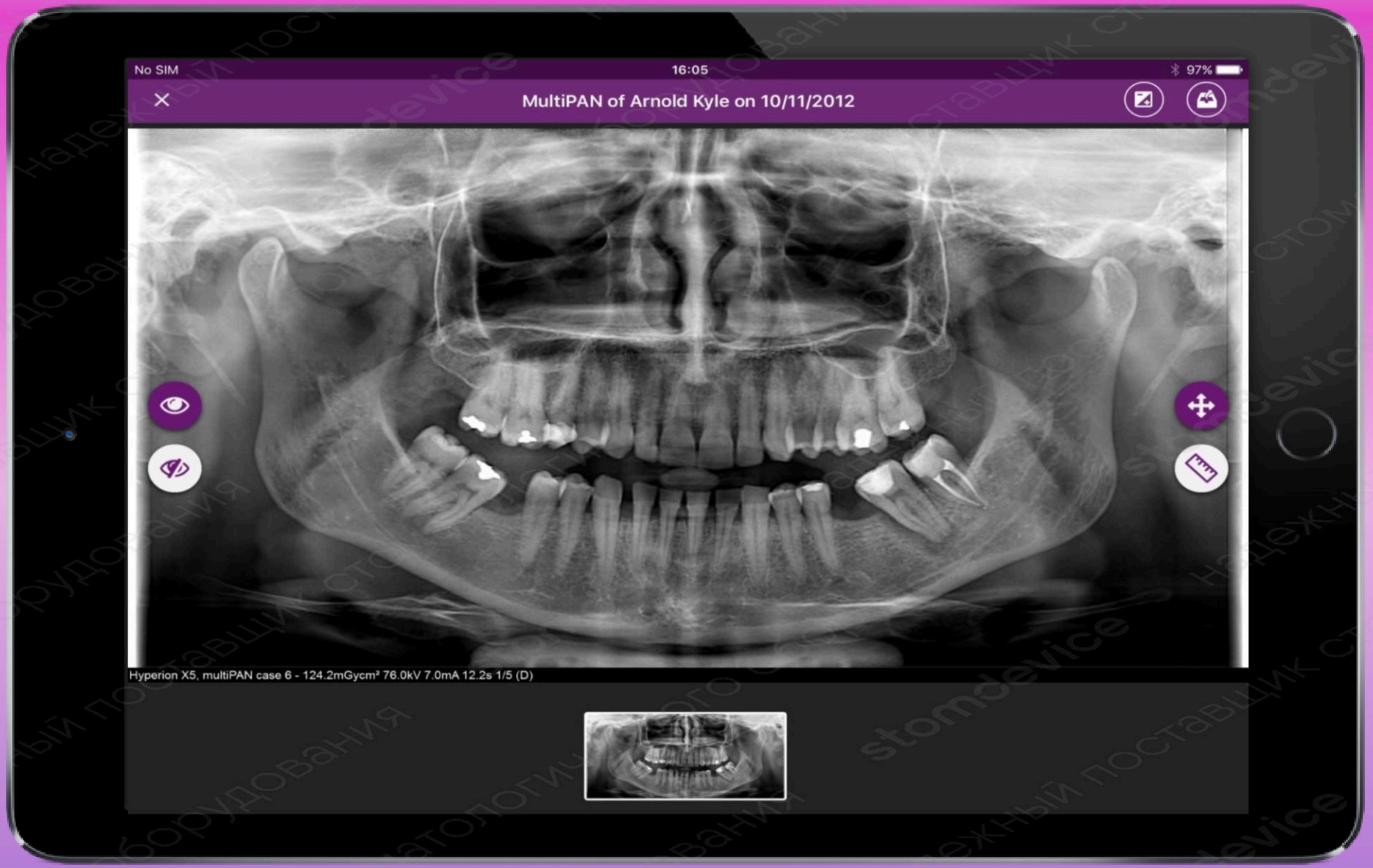


Image Save on iPAD, e-printing and e-mail sending

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iRYS MOBILE



Contrast, Brightness, Gamma and Sharp tools

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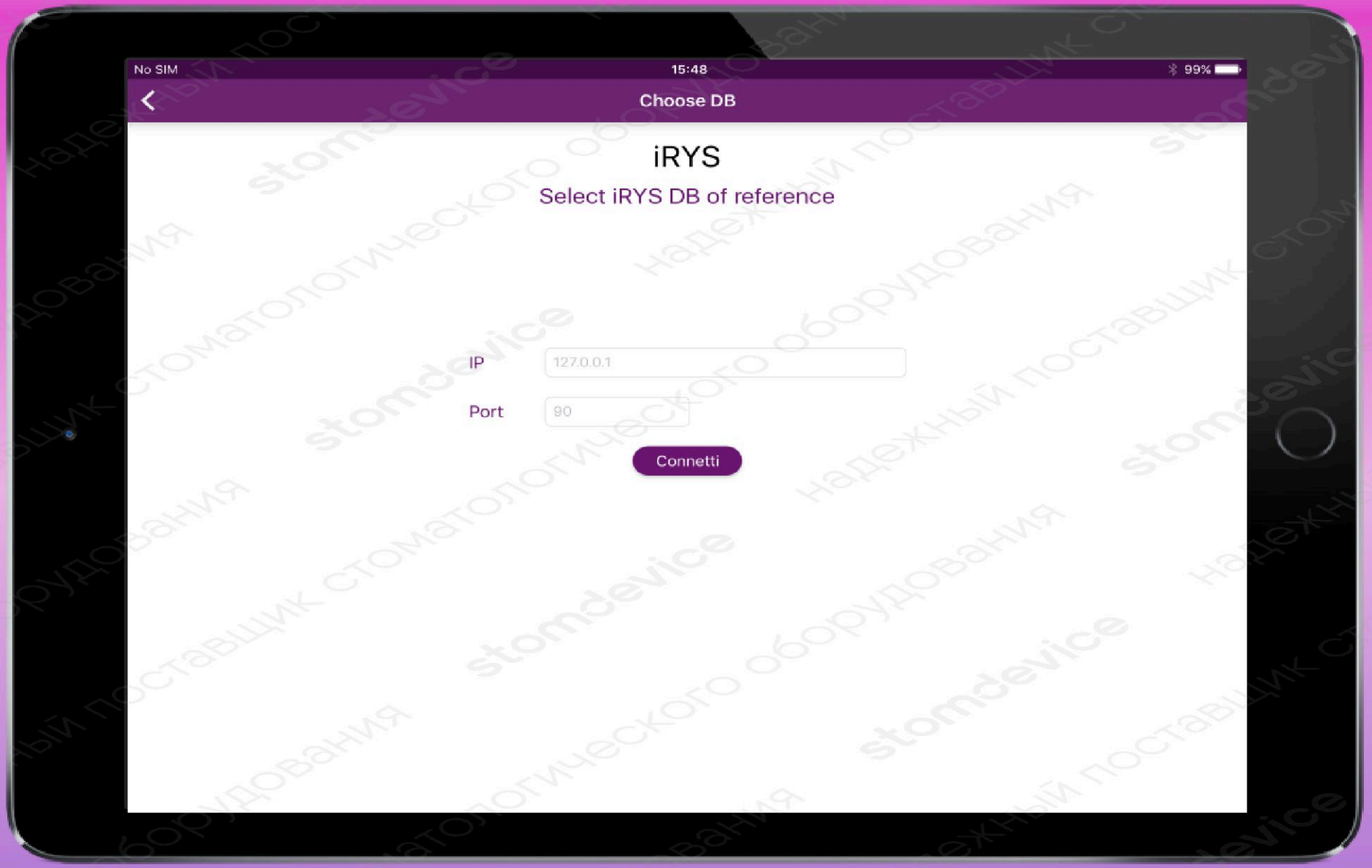


Filter Tools: Contrast; Brightness; Gamma; Sharp.

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Selection of different Server on the LAN (different archives)

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LAN - Data share

iRYS MOBILE

Start into Digital world with only 1 MWS & 1 ipad



RJ45
INTEL PRO 1000



Store
DB3 (Rad 3)





LAN

View 2D document image from:

- DB1
- DB2
- DB3



Store
DB1 (Dr. 1)
DB2 (Dr. 2)



WiFi

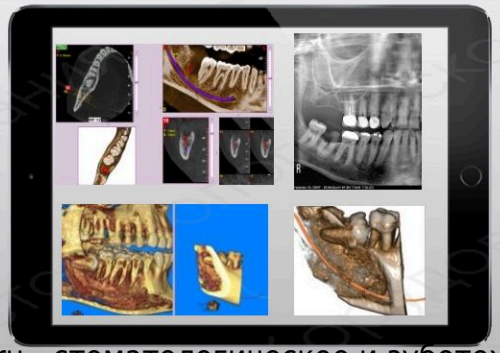
Station:
view 2D images

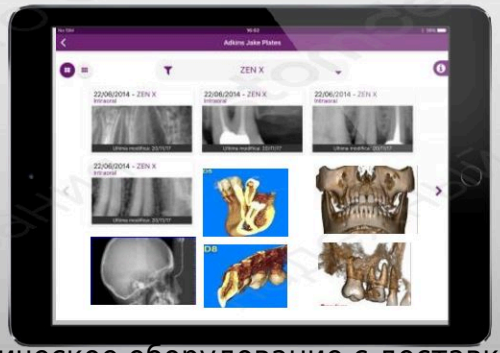


WiFi









View
DB1
DB2
DB3