

## Radiological Report – CBCT Analysis

This guide covers CBCT Radiologic Reports, including slice editing, CAT filters, multiplanar reconstruction, and detailed anatomical review.

# Accessing CBCT Reports

Click the CBCT reformat to open the AI-generated panoramic view.

Use the toolbar to:

## Expand panoramic view



## Split panoramic view for separately generating a reformat for the upper and lower jaw.

**Teeth in the report**

● Suspicious for Conditions ○ No Findings ✗ Missing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

## Change Brightness/Contrast

**Teeth in the report**

● Suspicious for Conditions ○ No Findings ✗ Missing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

## Change sharpness

**Teeth in the report**

● Suspicious for Conditions ○ No Findings ✗ Missing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

## Invert image

**Teeth in the report**

● Suspicious for Conditions ○ No Findings ✗ Missing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

## Reset changes

**Teeth in the report**

● Suspicious for Conditions ○ No Findings ✗ Missing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

## Download panoramic view

**Teeth in the report**

● Suspicious for Conditions ○ No Findings ✗ Missing

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

# Editing Tooth Information

If a tooth number is incorrect:

- 1 Click Edit Tooth Number
- 2 Select the tooth
- 3 Enter the correct number
- 4 Confirm to update the dental formula

The screenshot displays the Diagnocat CBCT AI Report interface. At the top, the user is identified as Helen Smith, and the report is dated Jan 26, 2026. The main view shows a panoramic CBCT scan of the jaw with teeth numbered 1 through 32. A red box highlights the 'Edit tooth number' icon in the bottom left corner of the scan. Below the scan, an 'Edit teeth numbers' dialog box is open, showing a grid of numbers 1-32 and letters A-J. The number 22 is selected in the grid. To the right of the scan, the 'Tooth 19' details panel is visible, showing a 'Periapical radiolucency' label and several axial slices of the tooth. The 'Tooth 20' and 'Tooth 21' panels are also partially visible. The interface includes navigation icons, a 'Cancel' and 'Confirm' button, and a 'Sig.' button at the bottom right.

The chart updates automatically.

# Critical Area Tag Filters (CATs)

At the top of the report, use CAT filters to highlight findings:

## Endo

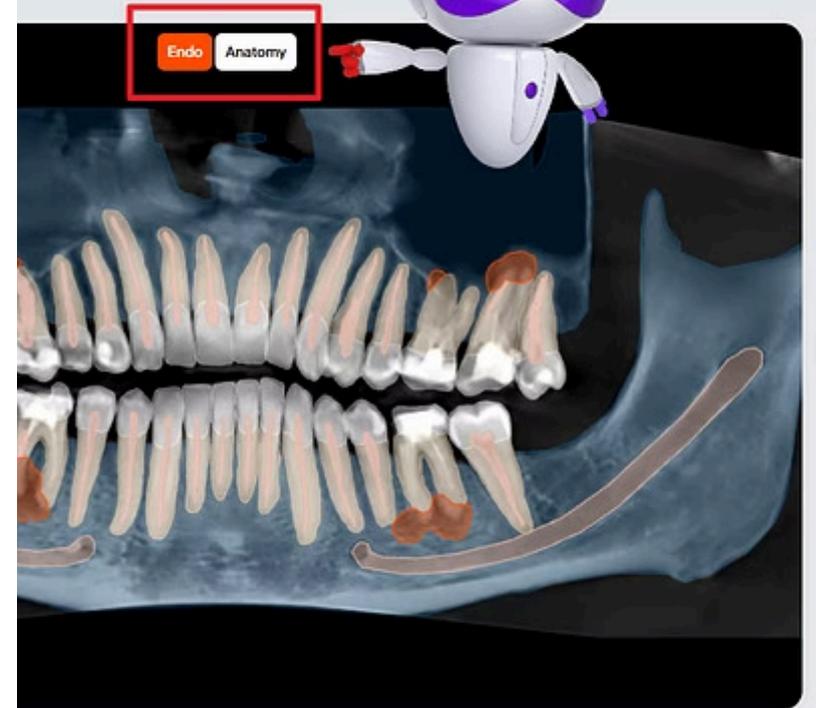
Periapical radiolucency

## Anatomy

Anatomical structures and previous treatments

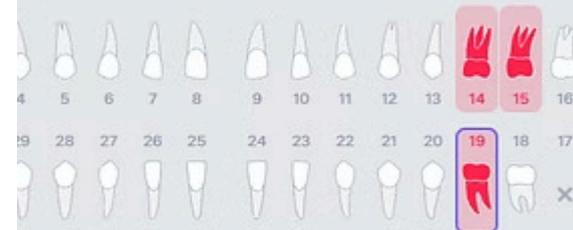
By clicking the filter buttons, you can activate them or hide the graphic masks.

> CBCT AI Report Jan 26, 2026



## the report

Conditions  No Findings  Missing



# Teeth in the report

Suspicious for Conditions  No Findings  Missing 

## Understanding the Dental Formula

Color indicators represent tooth status:



**White**  
No Findings

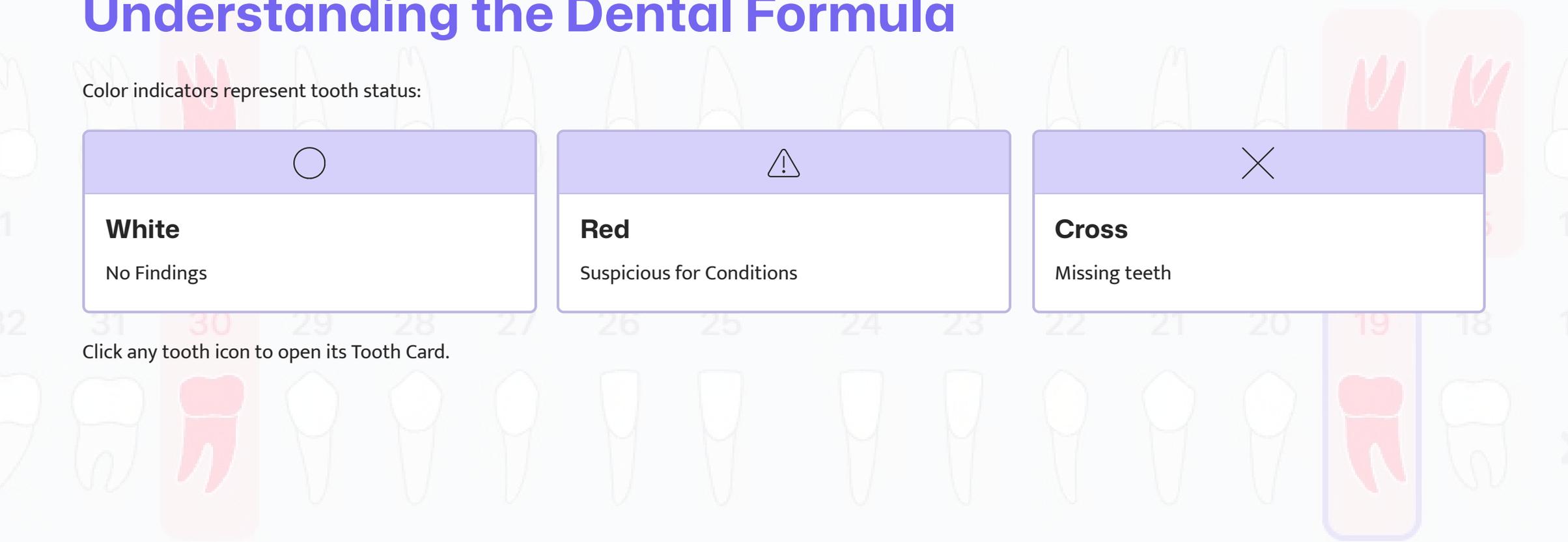


**Red**  
Suspicious for Conditions



**Cross**  
Missing teeth

Click any tooth icon to open its Tooth Card.

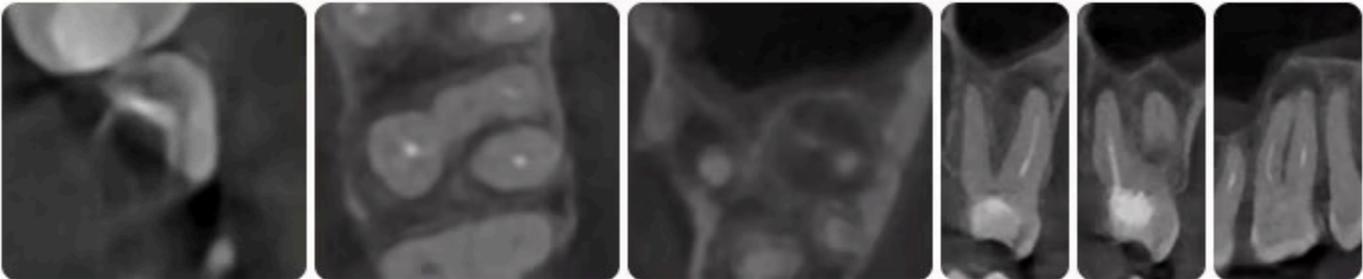


# Using Tooth Cards

Each Tooth Card includes a summary of detected conditions and a series of automatically generated slices.

## Tooth 15

Periapical radiolucency



**+ Condition** Comment Slices **Approve**

Missed canal

Cancel **Save**

# Modifying Detections

- Click the + Condition icon.
- Add or remove detections.
- Filter by:

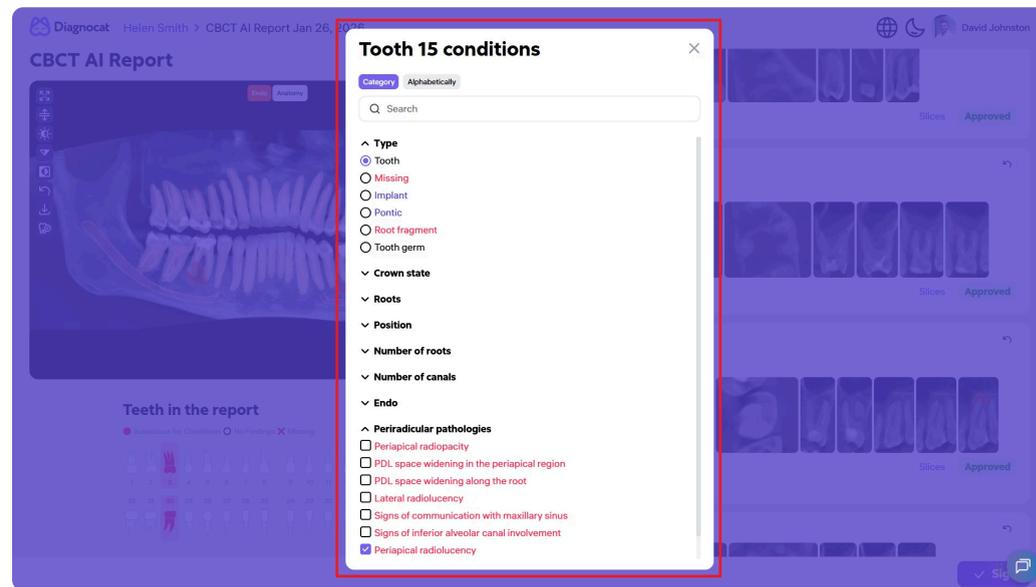
## Category

Filter detections by category type

## Alphabetical order

Sort conditions A-Z

Use the search bar to find specific conditions.



 The conditions that are listed here and that Diagnocat does not detect can be added manually.

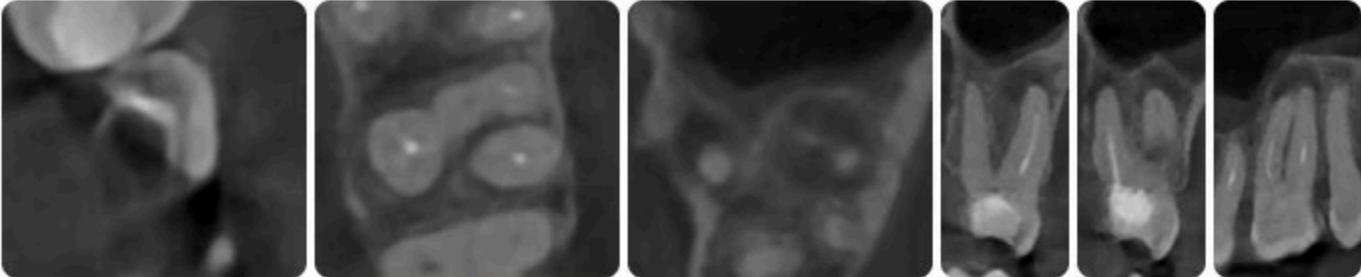
# Additional Tools

## Comments

- Add notes per tooth
- Included in the final report

### Tooth 15

Periapical radiolucency



+ Condition **Comment** Slices Approve

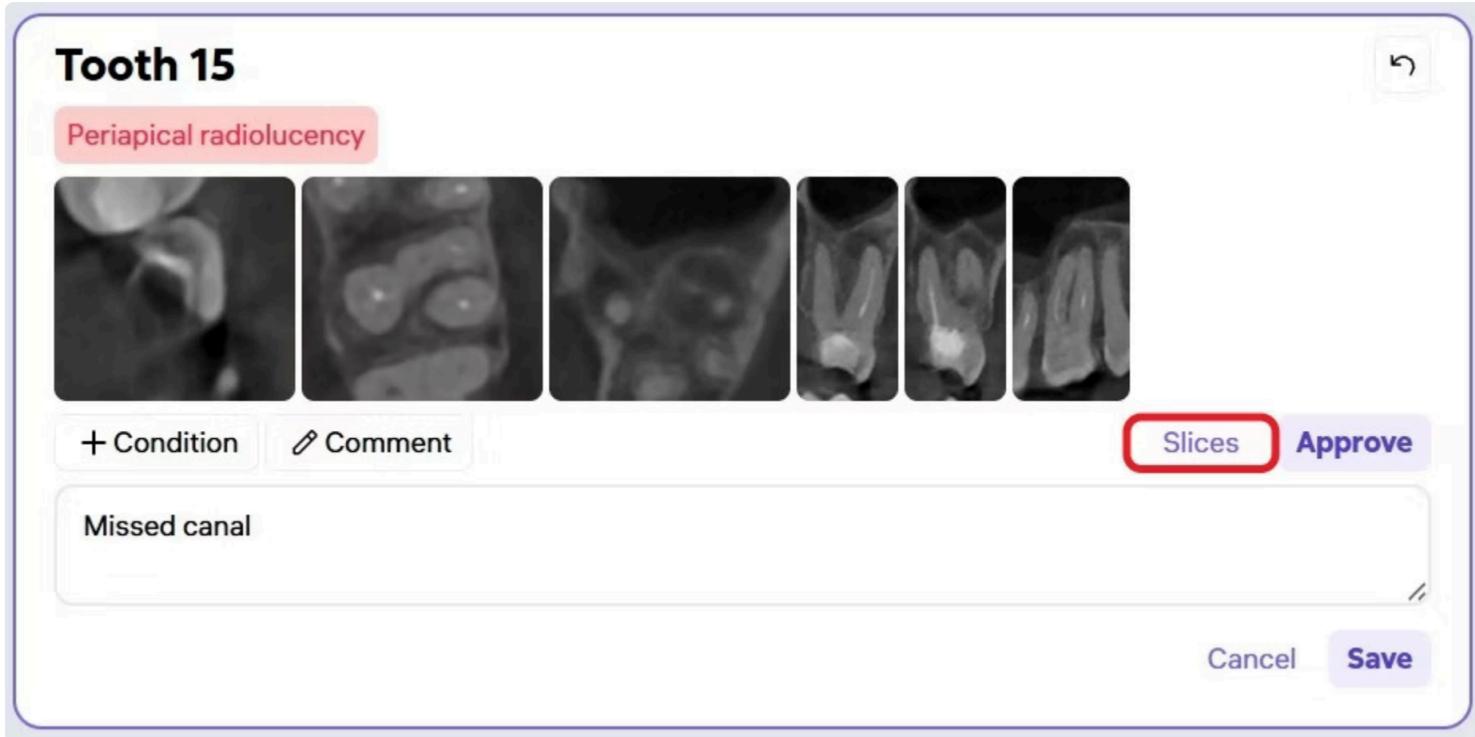
Missed canal

Cancel Save

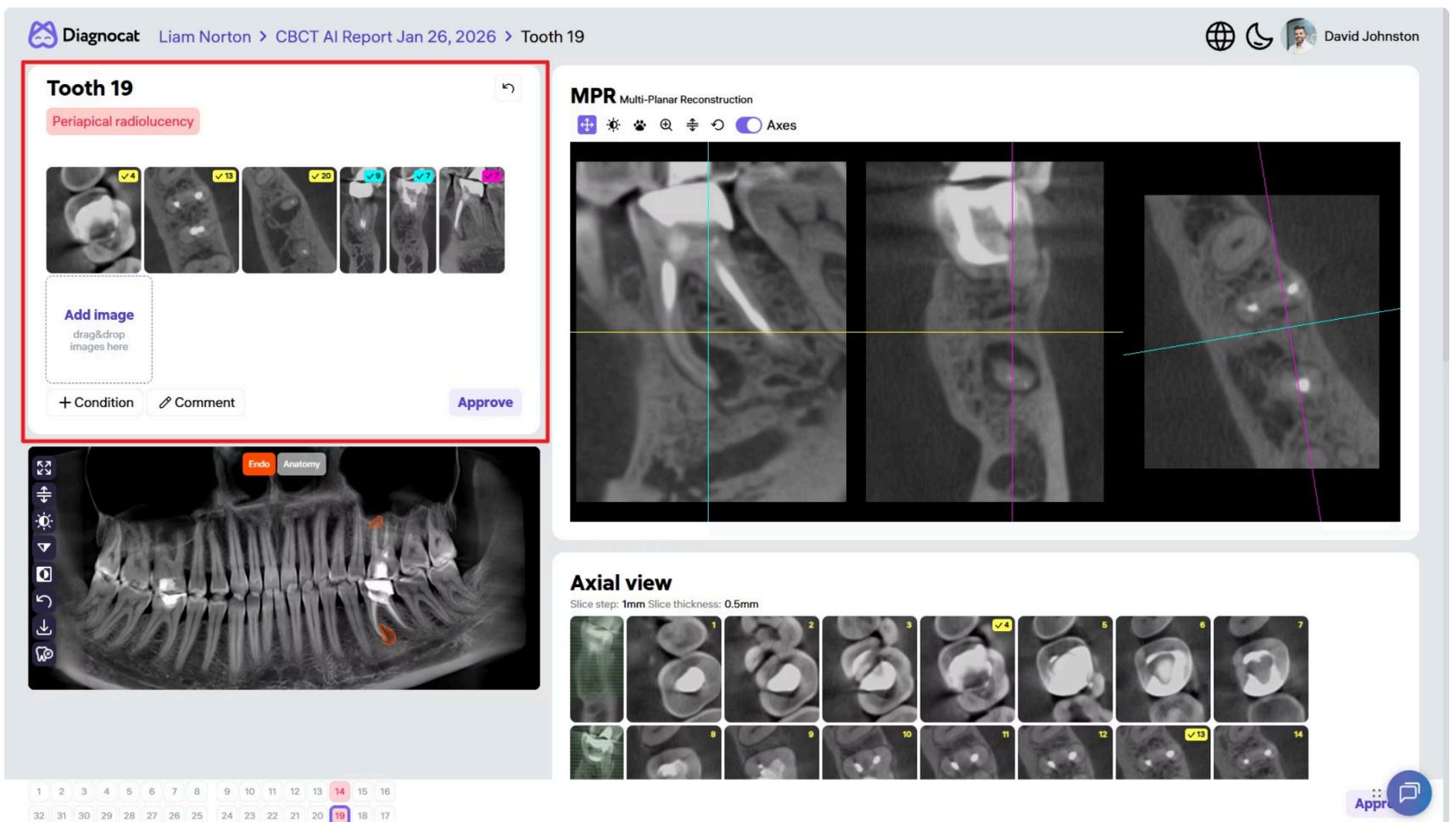
# Editing Slices

Diagnocat auto-generates 6 slices per tooth.

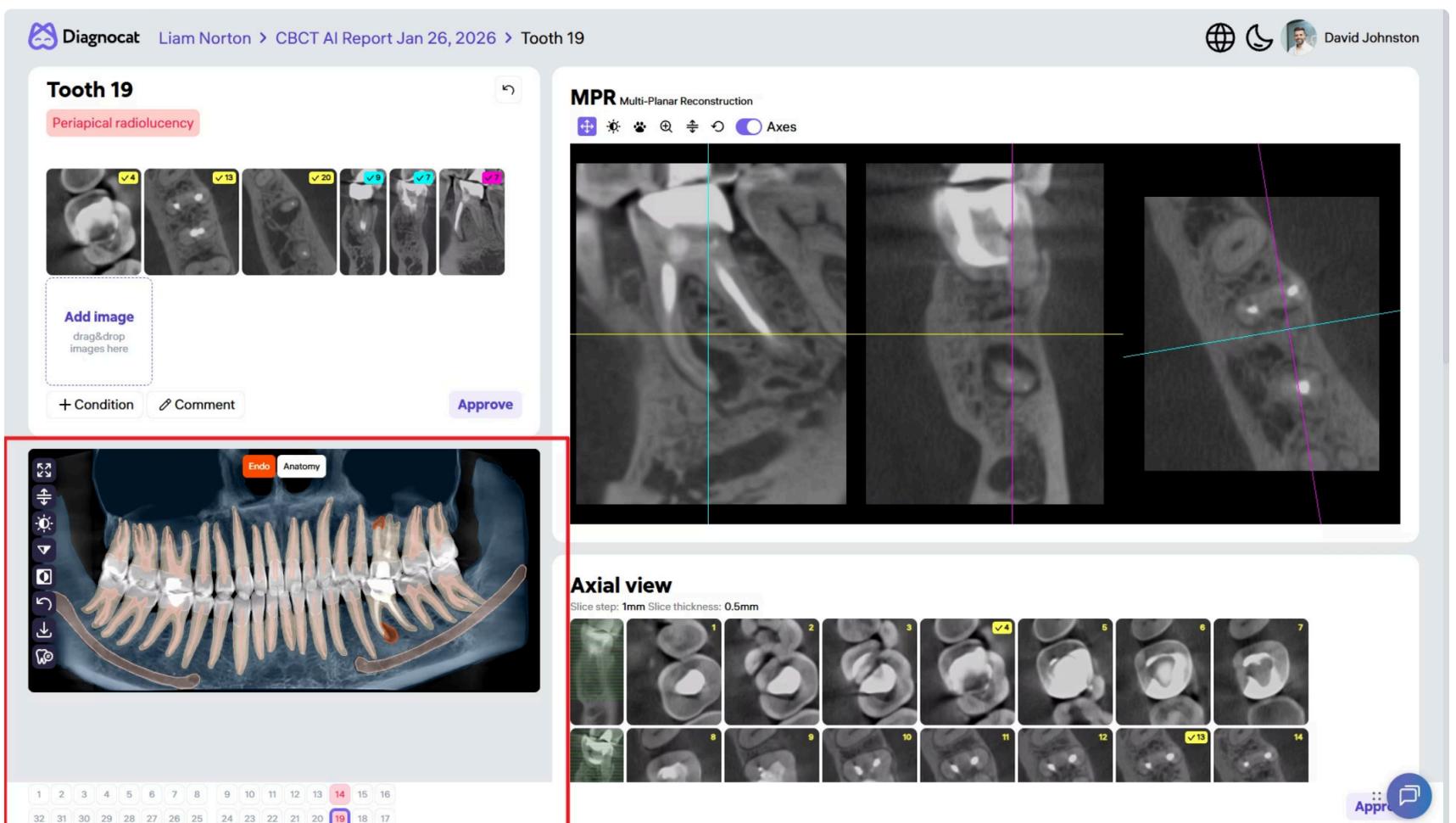
Click Slices to open the editor.



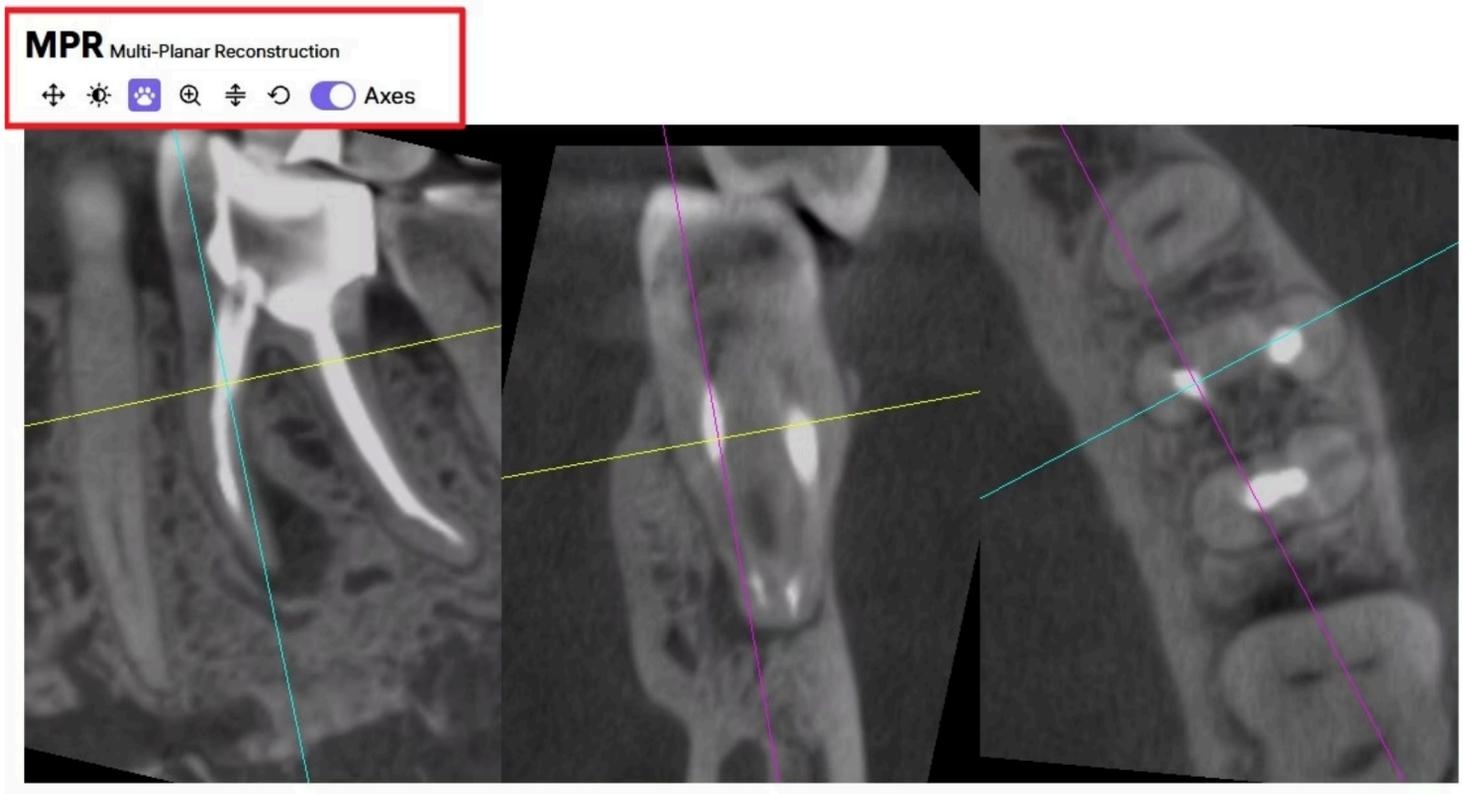
The panel on the top left contains a set of slices and a list of diagnoses and the toolbar, which we reviewed earlier.



At the bottom of the page, the dental chart is displayed, allowing you to switch between teeth.



# Multi-Planar Reconstruction



Here you can:

- Rotate teeth axially.
- Generate new slices.

## Toolbar



**Axes** – The Axes button allows you to move the axes and rotate the slices.



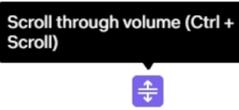
**Brightness/Contrast** – This button allows you to adjust the brightness and contrast on the slices.



**Pan** – The Pan button allows you to drag slices across the 3D scene.



**Zoom** – The Zoom button allows you to zoom in and out.



**Scroll** – This button lets you scroll through the entire volume of the slices.

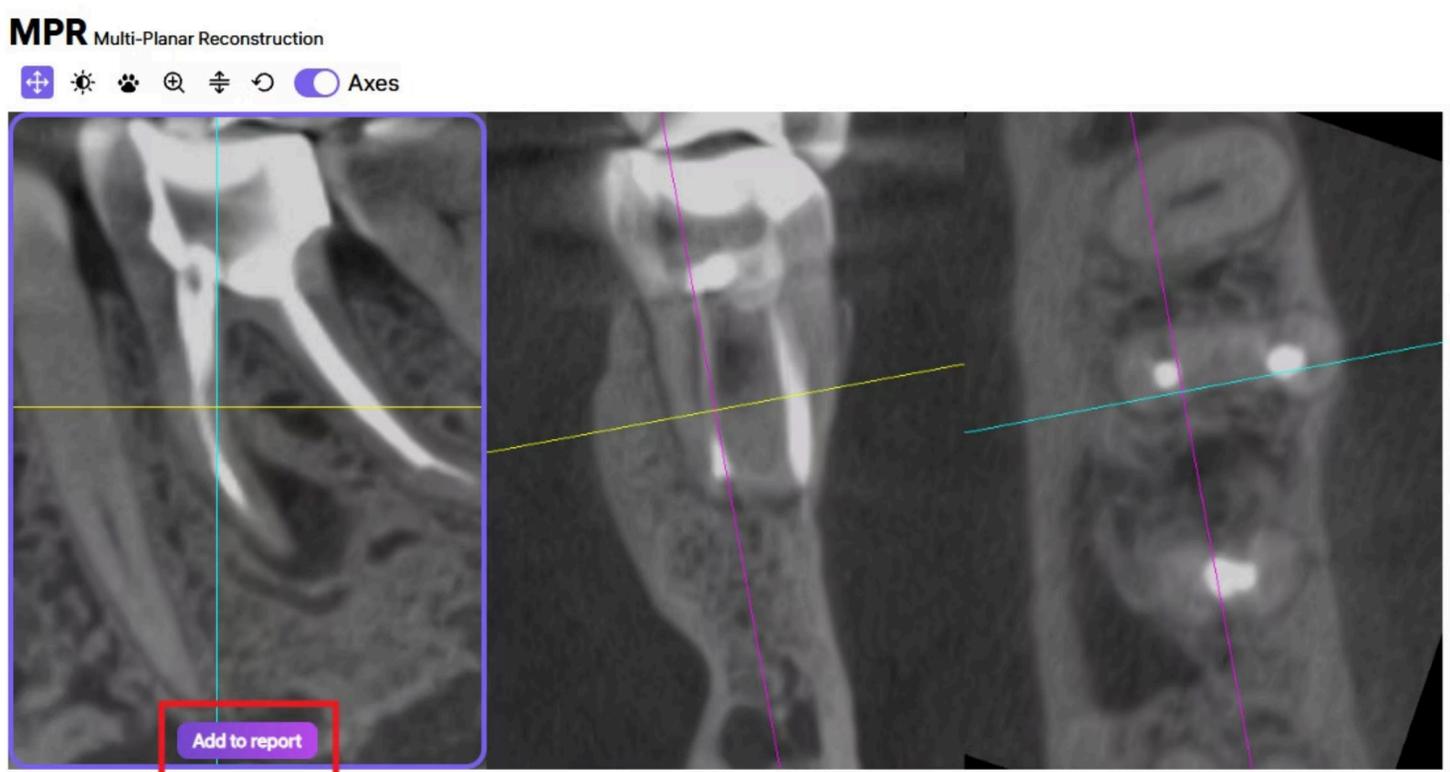


**Reset** – This button allows you to reset all changes made.



**Axes Toggle** – The Axes toggle allows you to turn off the axes.

To add new slices, click **Add to Report**, then **Approve**.



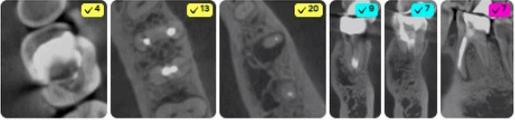
# Slice Management

Diagnocat Liam Norton > CBCT AI Report Jan 26, 2026 > Tooth 19

David Johnston

### Tooth 19

Periapical radiolucency



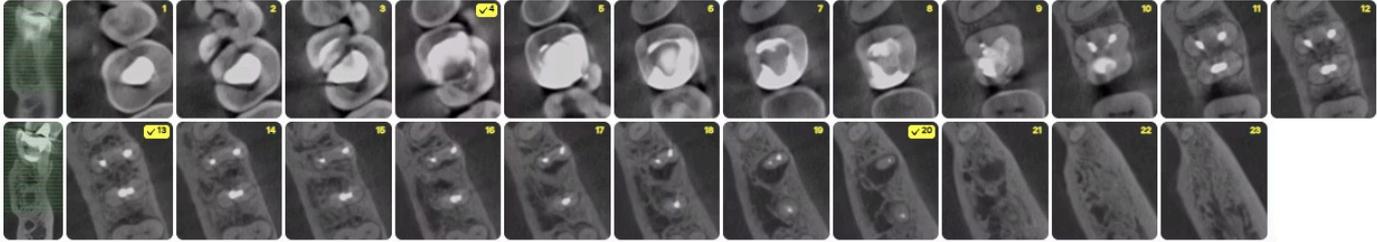
Add image  
drag&drop  
images here

+ Condition Comment Approve



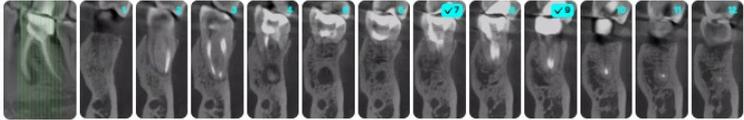
### Axial view

Slice step: 1mm Slice thickness: 0.5mm



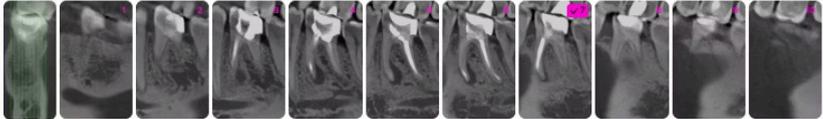
### Vestibulo-oral

Slice step: 1mm Slice thickness: 0.5mm



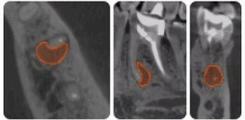
### Mesio-distal

Slice step: 1mm Slice thickness: 0.5mm



### Periapical radiolucency

Show Masks



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16  
32 31 30 29 28 27 26 25 24 23 22 21 20 19 18 17

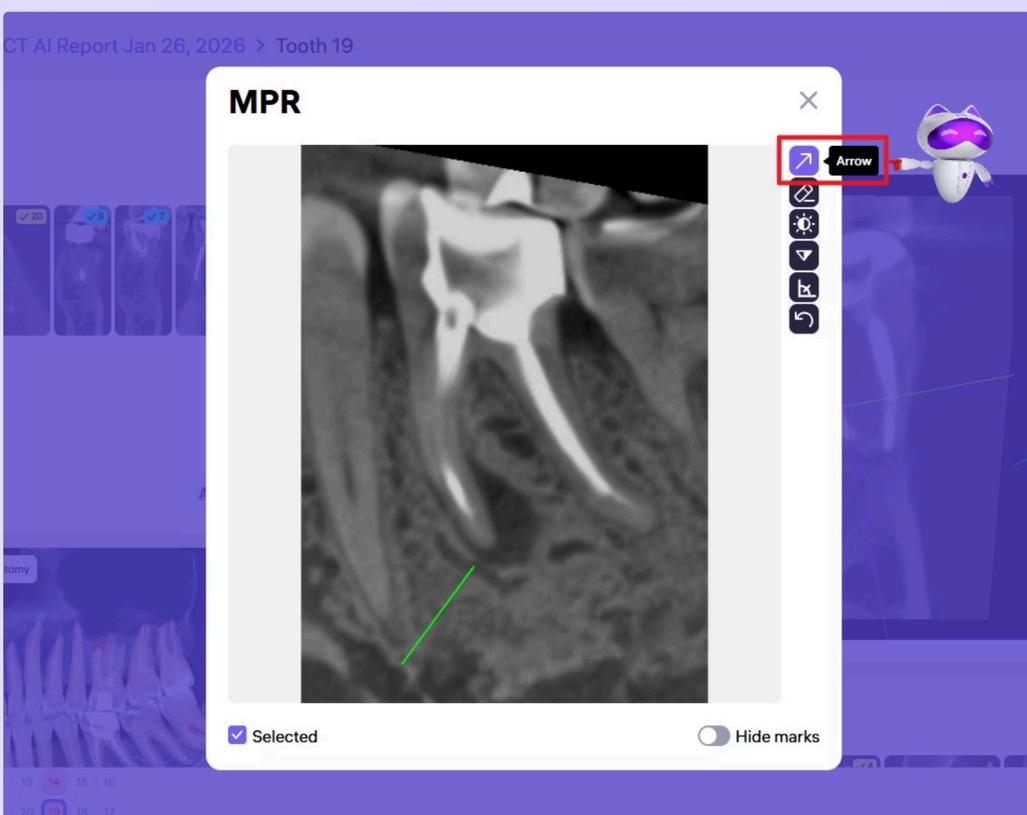
Approve

Expanded set of automatically generated slices in three planes: slices in the axial plane, in the vestibulo-oral plane, and in the mesio-distal plane.

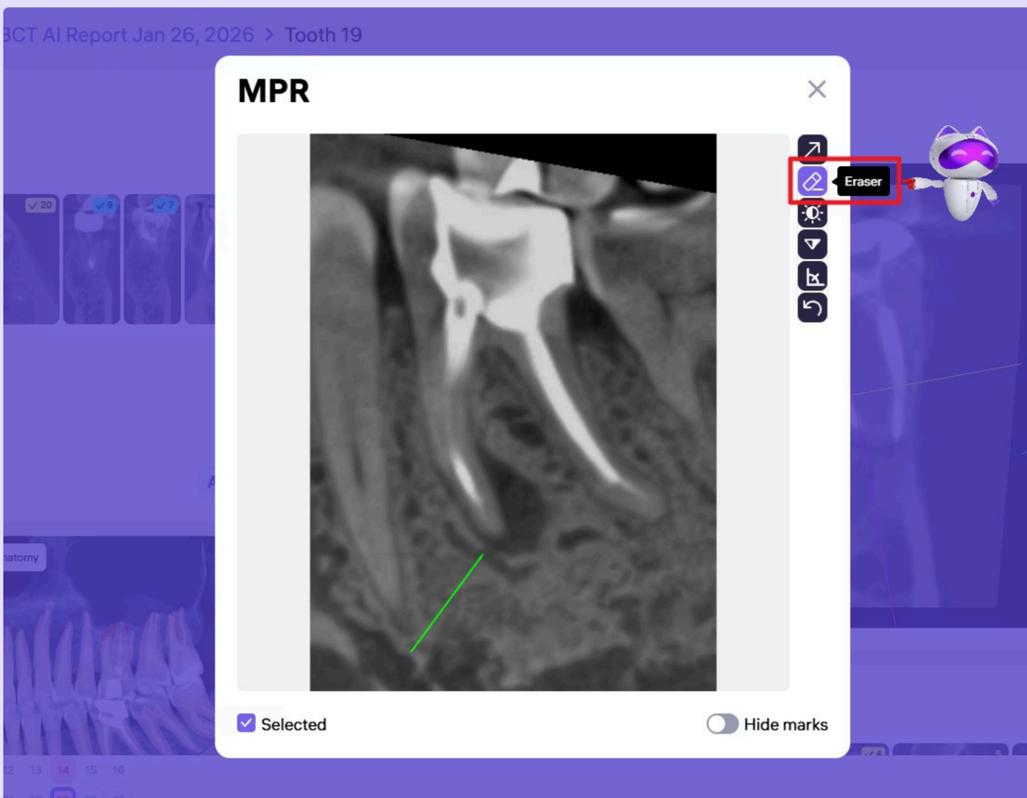
To edit the slices, click on a slice. A toolbar will open.

# Editing Tools

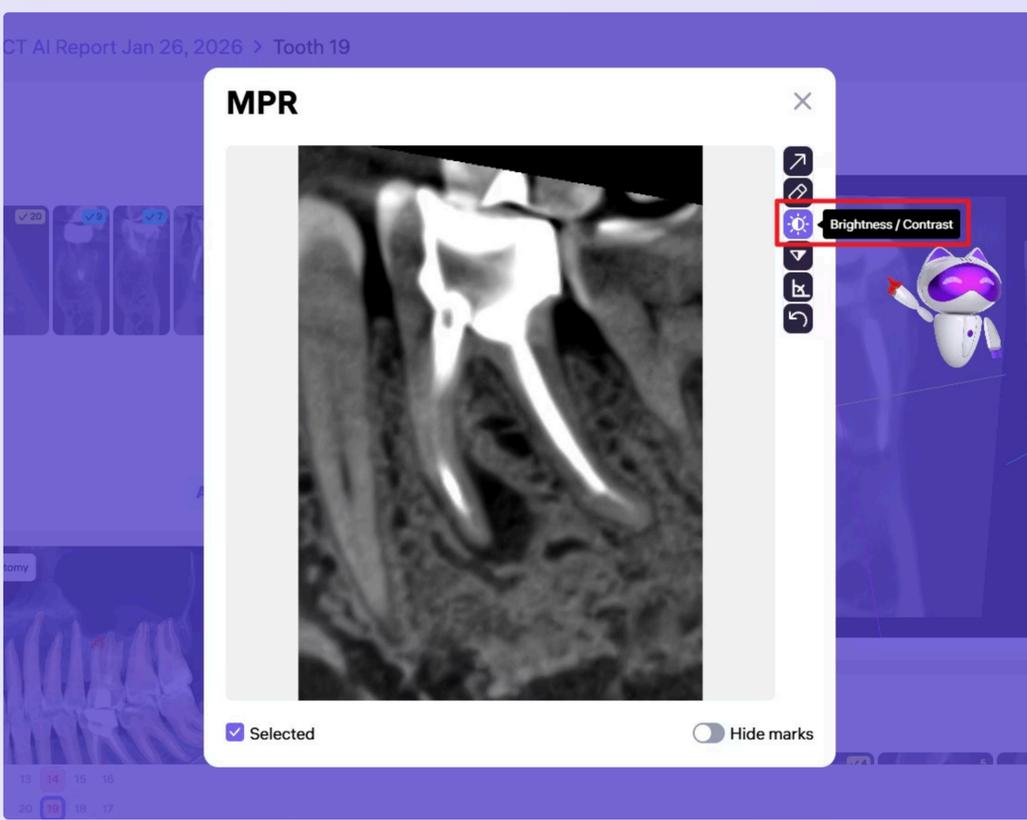
## Arrow



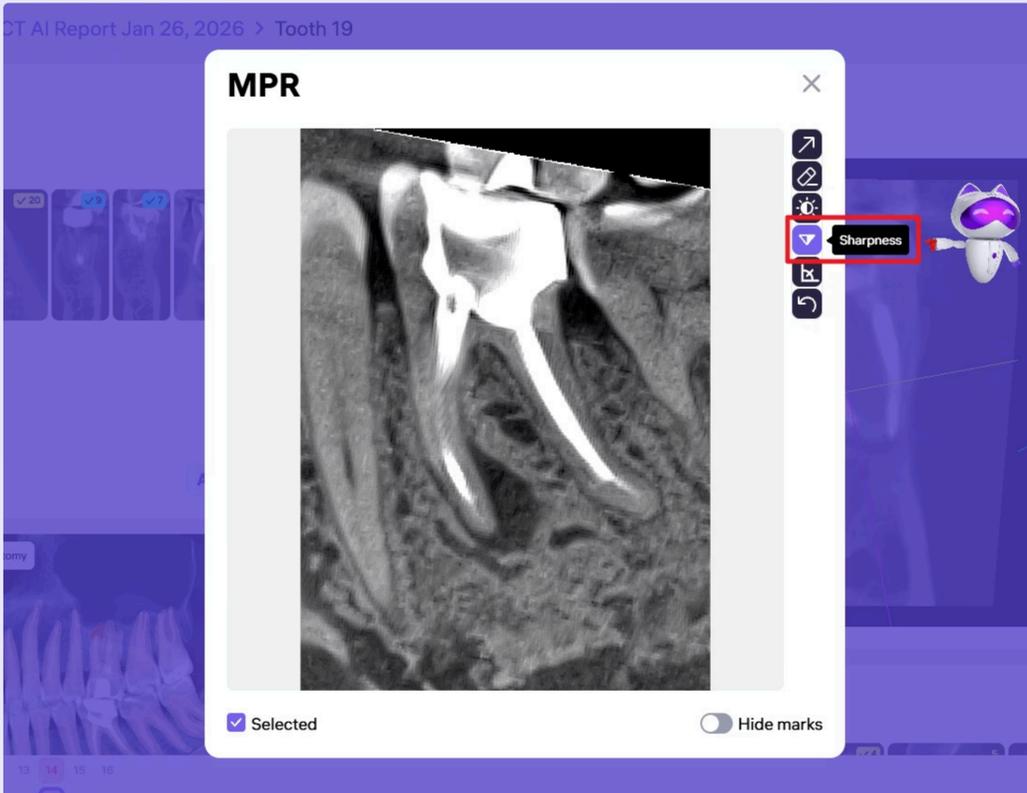
## Eraser



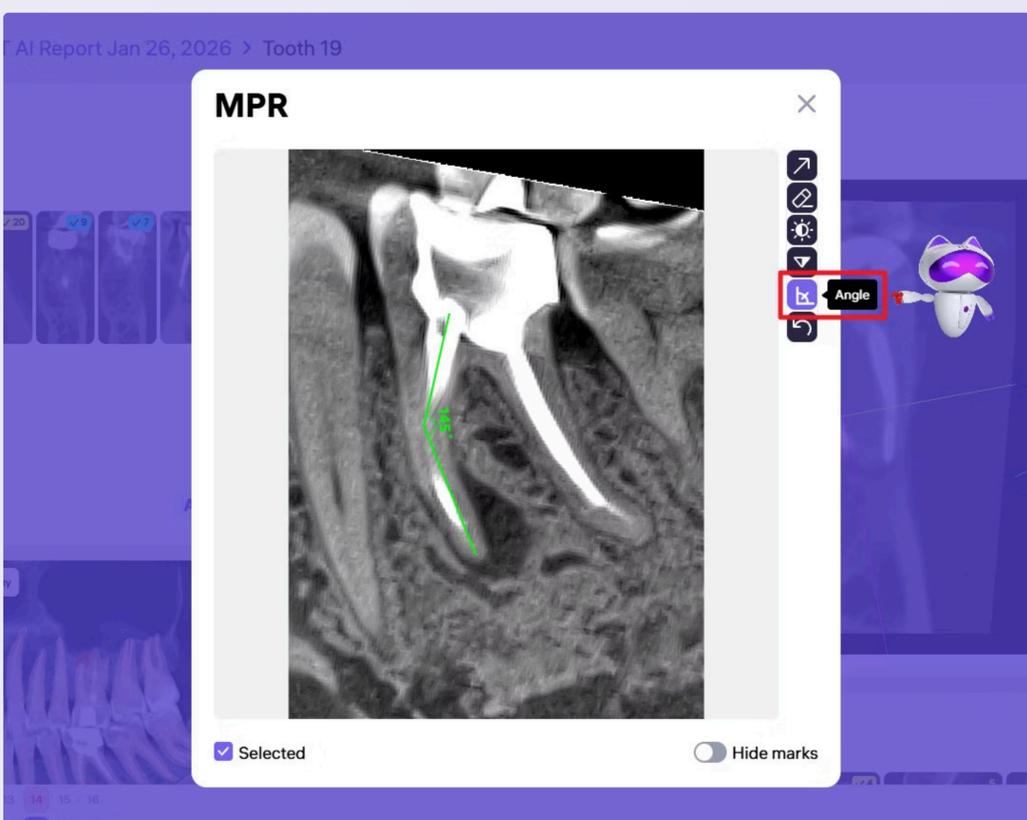
## Brightness/Contrast



## Sharpness



## Angle



## Reset

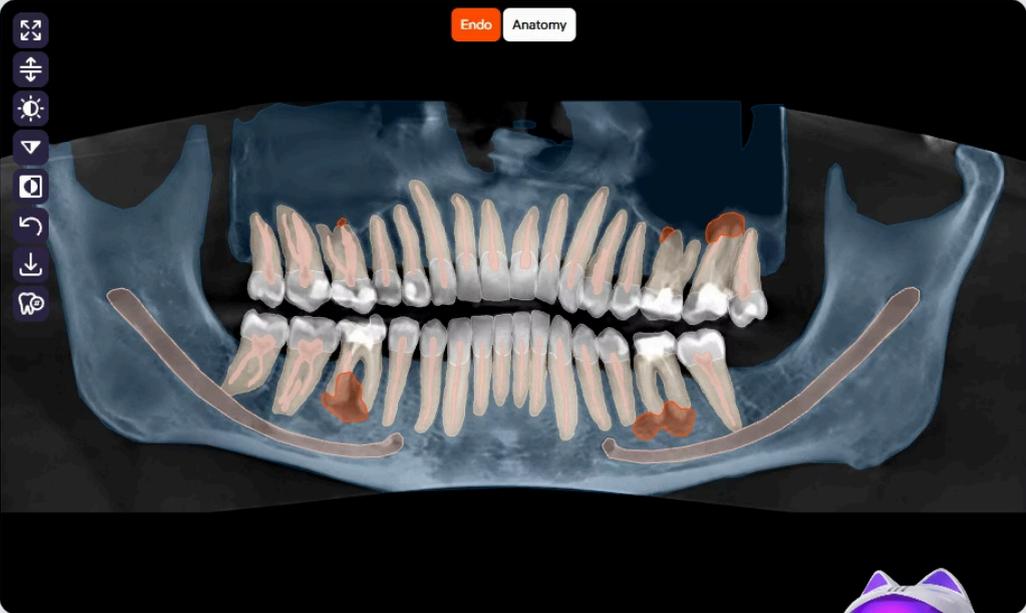


# Finalizing the Report

Add Clinical Conclusions and treatment recommendations.

Diagnocat Helen Smith > CBCT AI Report Jan 26, 2026 David Johnston

## CBCT AI Report



Endo Anatomy

Teeth in the report

● Suspicious for Conditions ○ No Findings ✗ Missing

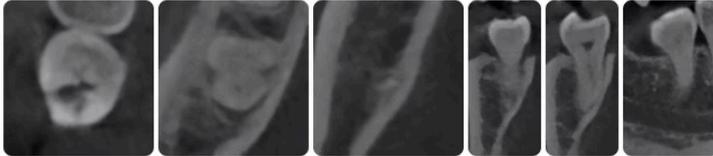
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

### Tooth 31



+ Condition Comment Slices **Approved**

### Tooth 32



+ Condition Comment Slices **Approved**

### Conclusion

**B I U** Normal

1. Consultation with an otolaryngologist, regarding opacity in the right maxillary sinus.
2. Endodontic retreatment of teeth 14, 15, 19, and 30.
3. Endodontic treatment of tooth 3.

Save

**✓ Approve all and sign**

**Best practice:** The attending dentist should review and confirm all findings and sign the report, making it a valid medical record.

# Exporting

Here is the completed report. Your clinic's logo and information are displayed here.

The report can be customized. All parameters shown on the left can be edited.

### Settings

**Print type**

B&W  Color

Inverted

Tooth chart

Upper jaw

Lower jaw

Conditions

Slices

Show masks

Study meta info

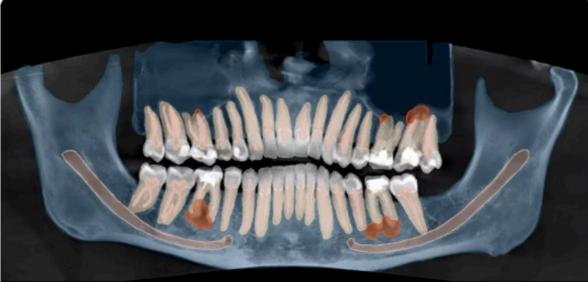
Signed by doctor

**Print**

[Download PDF](#)

**Dental Clinic**

211 East 56th St  
New York, New York State, NY 10010  
United States  
(646) 028-9983  
dentalclinic@gmail.com  
https://dental-clinic.com



**CBCT AI Report**

Helen Smith, April 5, 1978, 47 y.o. Study Date Jul 9, 2024, 11:31 AM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

● Suspicious for Conditions ○ No Findings ✕ Missing

## Customize report parameters:

Print type black and white or color / Inverted

### Settings

**Print type**

B&W  Color

Inverted

Tooth chart

Upper jaw

Lower jaw

Conditions

Slices

Show masks

Study meta info

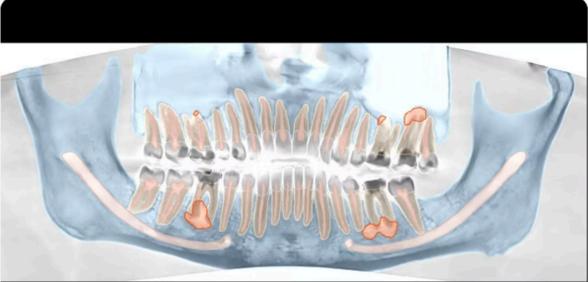
Signed by doctor

**Print**

[Download PDF](#)

**Dental Clinic**

211 East 56th St  
New York, New York State, NY 10010  
United States  
(646) 028-9983  
dentalclinic@gmail.com  
https://dental-clinic.com



**CBCT AI Report**

Helen Smith, April 5, 1978, 47 y.o. Study Date Jul 9, 2024, 11:31 AM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

● Suspicious for Conditions ○ No Findings ✕ Missing

Hide or show the tooth chart for upper or lower jaw.

You can hide the dental chart from the report. By unchecking the Upper Jaw box, you will hide all upper teeth from the report; by unchecking the Lower Jaw box, you will hide all lower teeth from the report.

### Settings

**Print type**

B&W  Color

Inverted

Tooth chart

Upper jaw

Lower jaw

Conditions

Slices

Show masks

Study meta info

Signed by doctor

**Print**

[Download PDF](#)

**Dental Clinic**

211 East 56th St  
New York, New York State, NY 10010  
United States  
(646) 028-9983  
dentalclinic@gmail.com  
https://dental-clinic.com



**CBCT AI Report**

Helen Smith, April 5, 1978, 47 y.o. Study Date Jul 9, 2024, 11:31 AM

**David Johnston**  
Chief Dental Officer

Report signed: Feb 17, 2026, 10:50 AM



Dr David Johnston  
Dental Clinic  
New York  
211 East 56th Street  
Ph: 212-785-2298

This report contains confidential health information. It was generated with Diagnocat SaaS using Artificial Intelligence. The conditions and pathologies in this report were verified by the attending dentist.



By unchecking the Conditions box, you remove all conditions detected by Diagnocat from the report. By unchecking the Slices box, you remove all sets of slices from the report.

### Settings

**Print type**

B&W  Color

Inverted

Tooth chart

Upper jaw

Lower jaw

Conditions

Slices

Show masks

Study meta info

Signed by doctor

**Print**

[Download PDF](#)

**Tooth 8** Tooth

**Tooth 9** Tooth

**Tooth 10** Tooth

**Tooth 11** Tooth

**Tooth 12** Tooth

**Tooth 13** Tooth

**Tooth 14** Tooth, **Periapical radiolucency**

**Tooth 15** Tooth, **Periapical radiolucency**  
Missed canal

**Tooth 16** Tooth

**Tooth 17** Missing

**Tooth 18** Tooth

**Tooth 19** Tooth, **Periapical radiolucency**

**Tooth 20** Tooth

**Tooth 21** Tooth

**Tooth 22** Tooth

**Tooth 23** Tooth

You can hide or show masks on the panoramic reformat.

### Settings

**Print type**

B&W  Color

Inverted

Tooth chart

Upper jaw

Lower jaw

Conditions

Slices

Show masks

Study meta info

Signed by doctor

**Print**

[Download PDF](#)

**Dental Clinic**

211 East 56th St  
New York, New York State, NY 10010  
United States  
(646) 028-9983  
dentalclinic@gmail.com  
https://dental-clinic.com



**CBCT AI Report**

Helen Smith, April 5, 1978, 47 y.o. Study Date Jul 9, 2024, 11:31 AM

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17

● Suspicious for Conditions ○ No Findings ✕ Missing

Download as PDF or print for patient consultation.

Our reports are ideal for patient consultations, facilitating informed decision-making regarding recommended treatments.