

Radiological Reports – CBCT Analysis

The screenshot displays the Diagnocat web interface for a patient named Francesca Bianchi. At the top left, the Diagnocat logo and the patient's name are shown. To the right, there are icons for a house, a globe, a moon, and a user profile for David Johnston. Below the patient's name, it states '45 years Female ID: 003'. The interface is divided into several sections: 'Treating doctors' with a plus icon and a list showing Katherine Amerson (KA); 'Shared with' with a share icon and a person icon; 'Clinical case description' with a document icon; and a large 'CBCT AI' report dated 'Sep 18, 2023' showing a panoramic view of teeth with red and orange highlights. A green 'Signed' stamp is visible in the bottom left of the report. To the right of these sections is a 'Create AI report' panel with eight options: CBCT, Pano, IOXRay, 3D model, Implant, Ortho, Photo, and Transcriptor. At the bottom, there is a footer with copyright information and links to terms and conditions, data processing addendum, privacy policy, and about. A blue speech bubble icon is in the bottom right corner.

Diagnocat Francesca Bianchi

David Johnston

Francesca Bianchi
45 years Female ID: 003

Treating doctors +
KA Katherine Amerson

Shared with

Clinical case description

CBCT AI
Sep 18, 2023

✓ Signed

Create AI report

- CBCT
- Pano
- IOXRay
- 3D model
- Implant
- Ortho
- Photo
- Transcriptor

© Diagnocat 2026 Terms and conditions Data Processing Addendum The Privacy Policy About

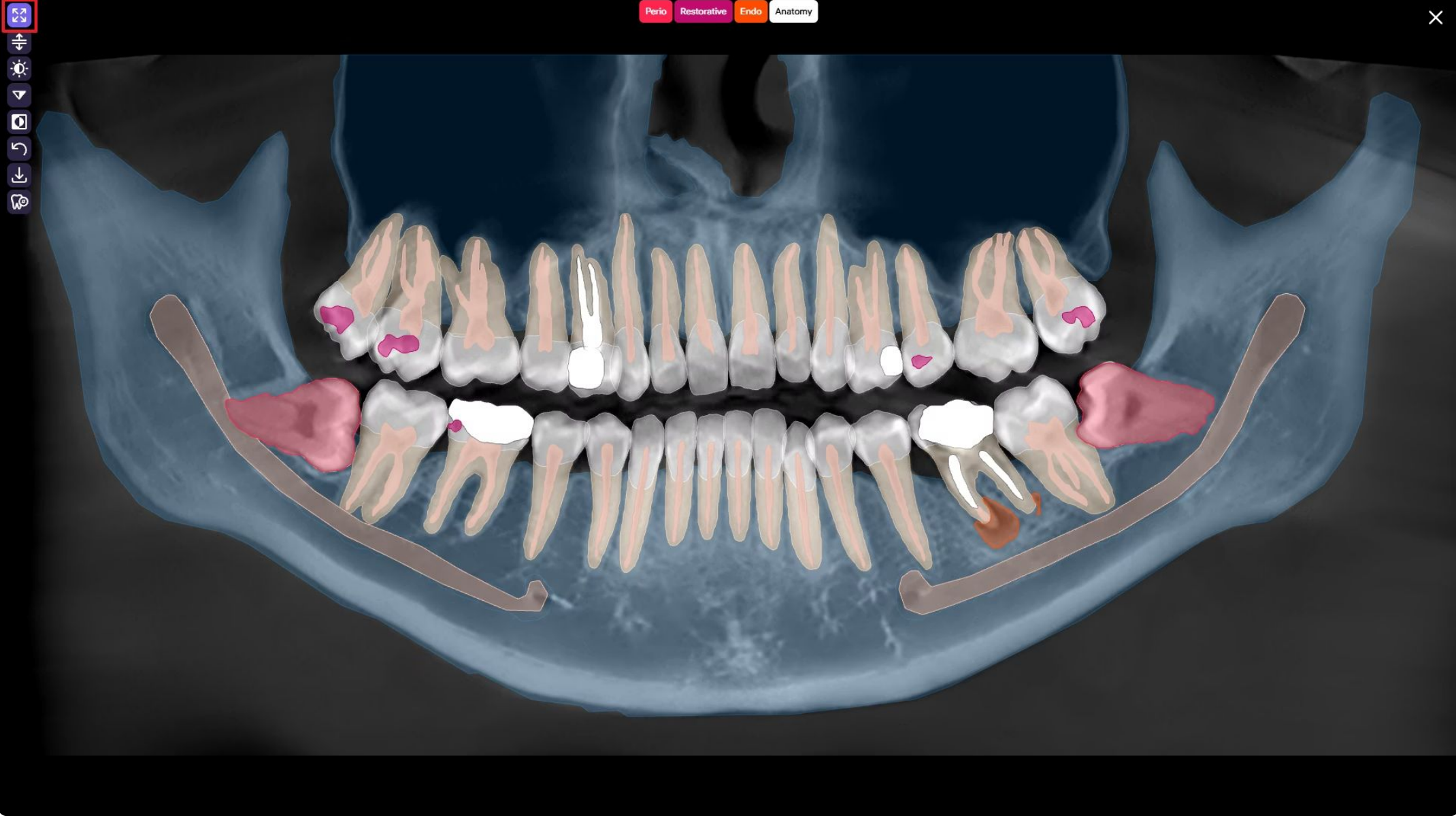
Accessing the CBCT Report

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

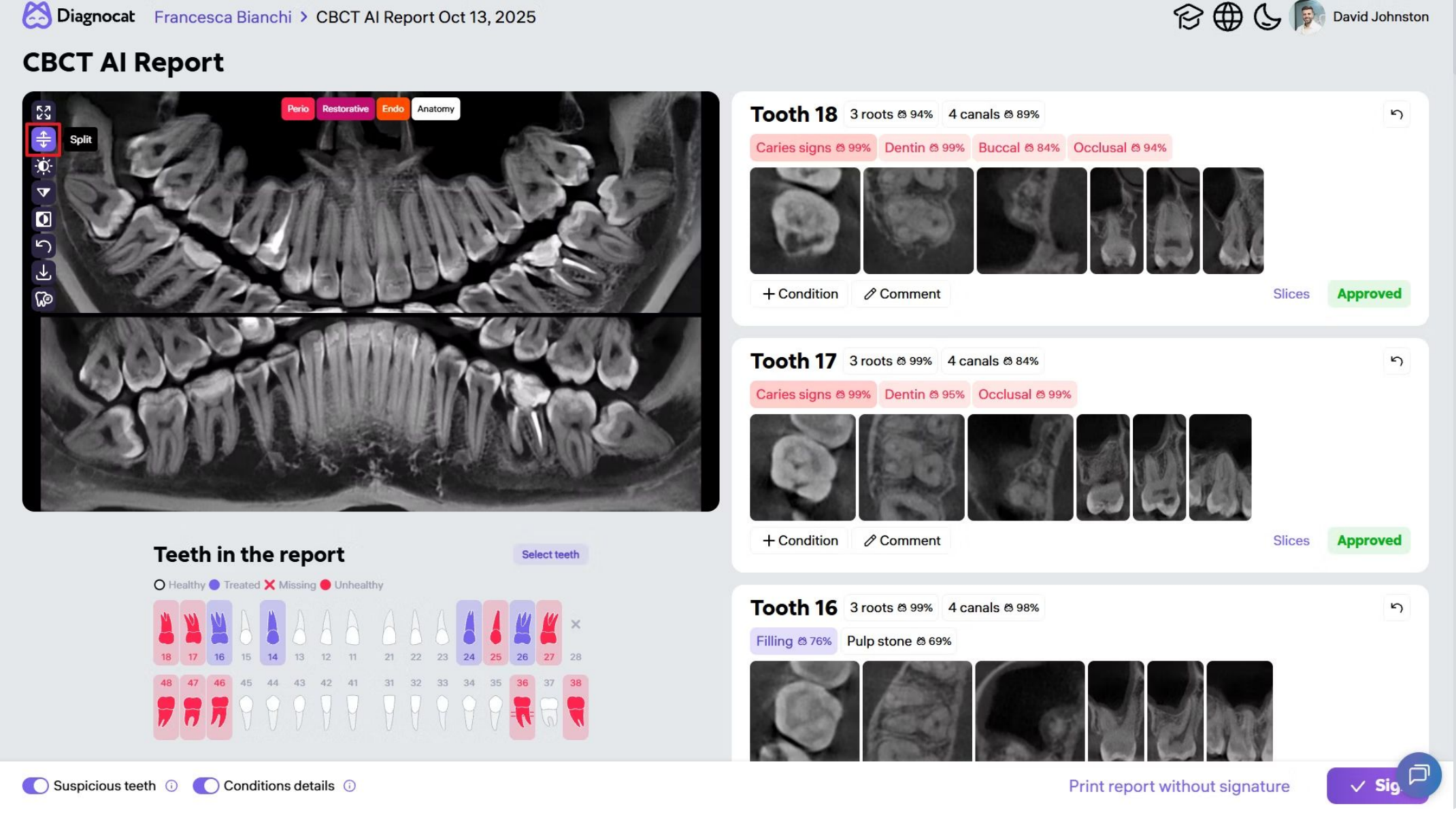
CBCT Adjustment Tools

Use the toolbar to adjust the following:

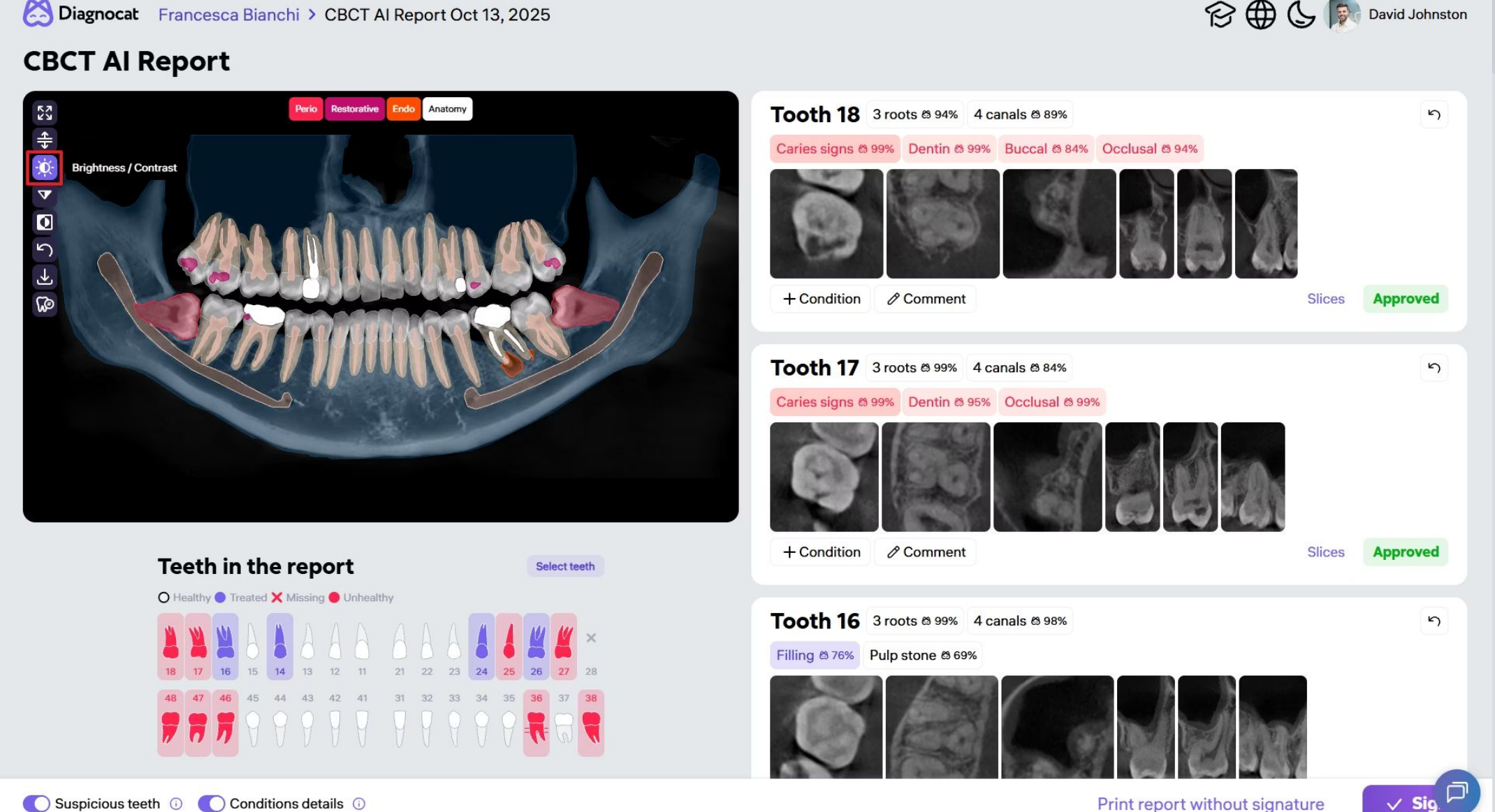
Expand panoramic view



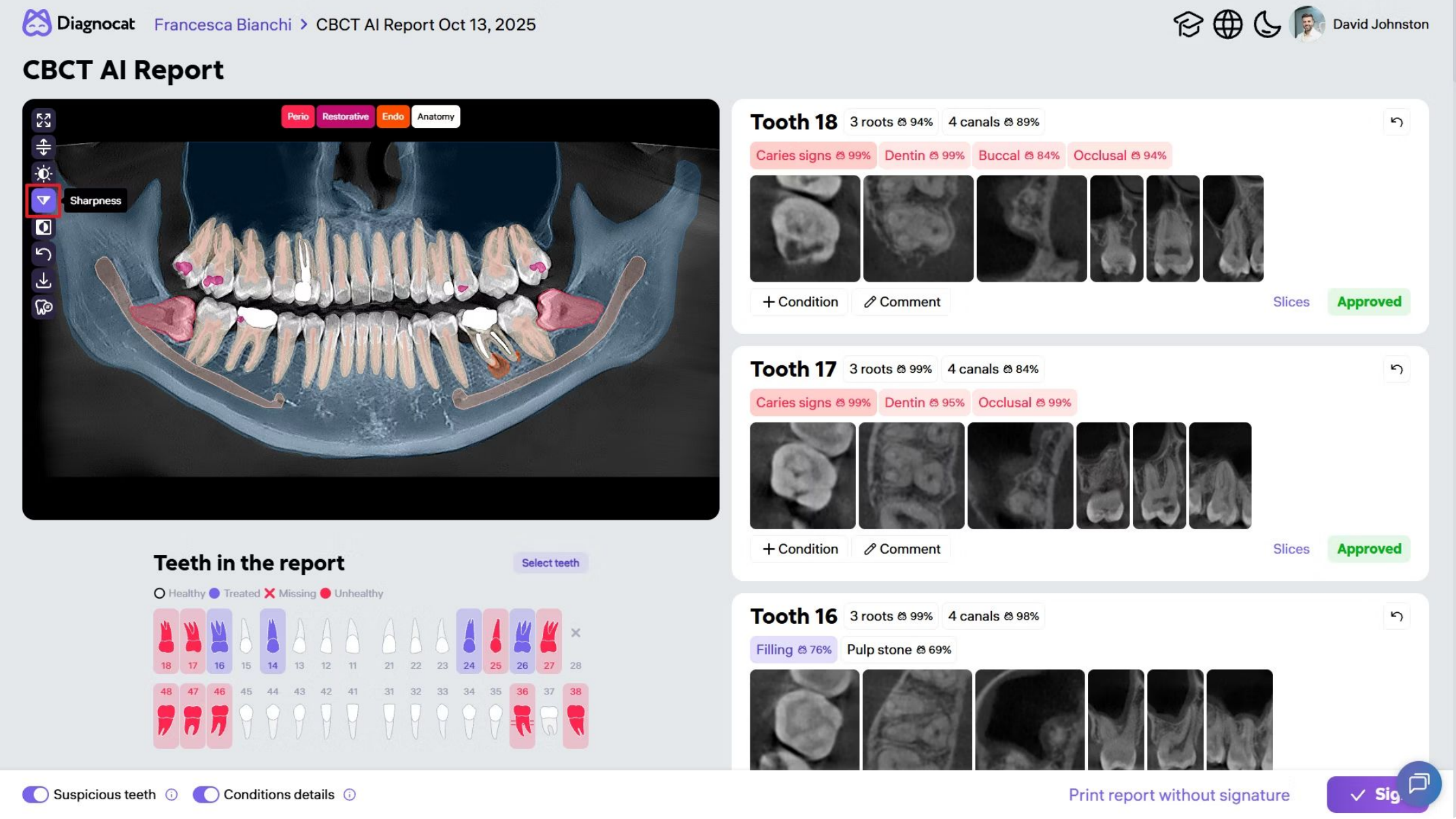
Split panoramic view for separately generating a reformat for the upper and lower jaw.



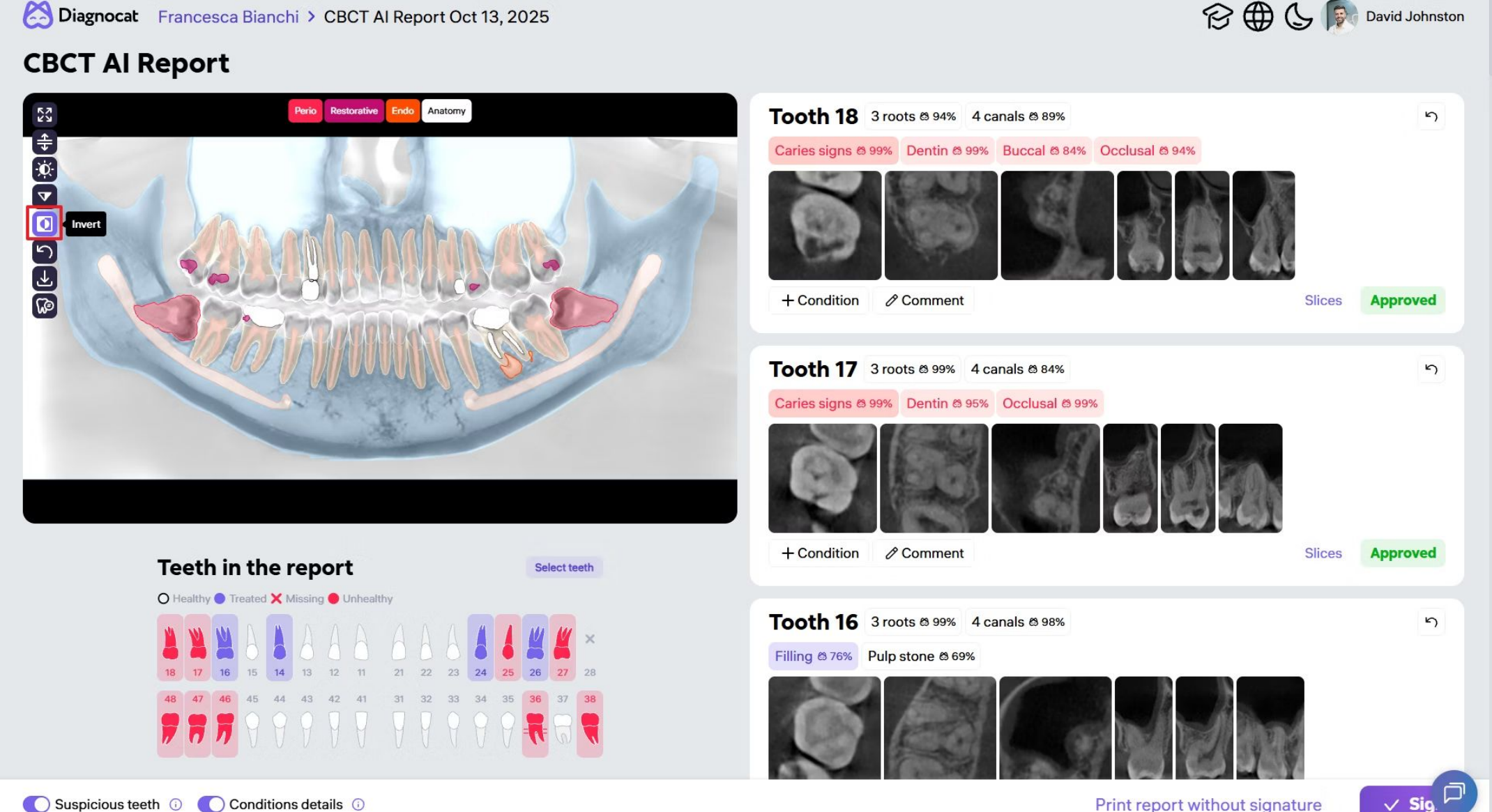
Change brightness/contrast



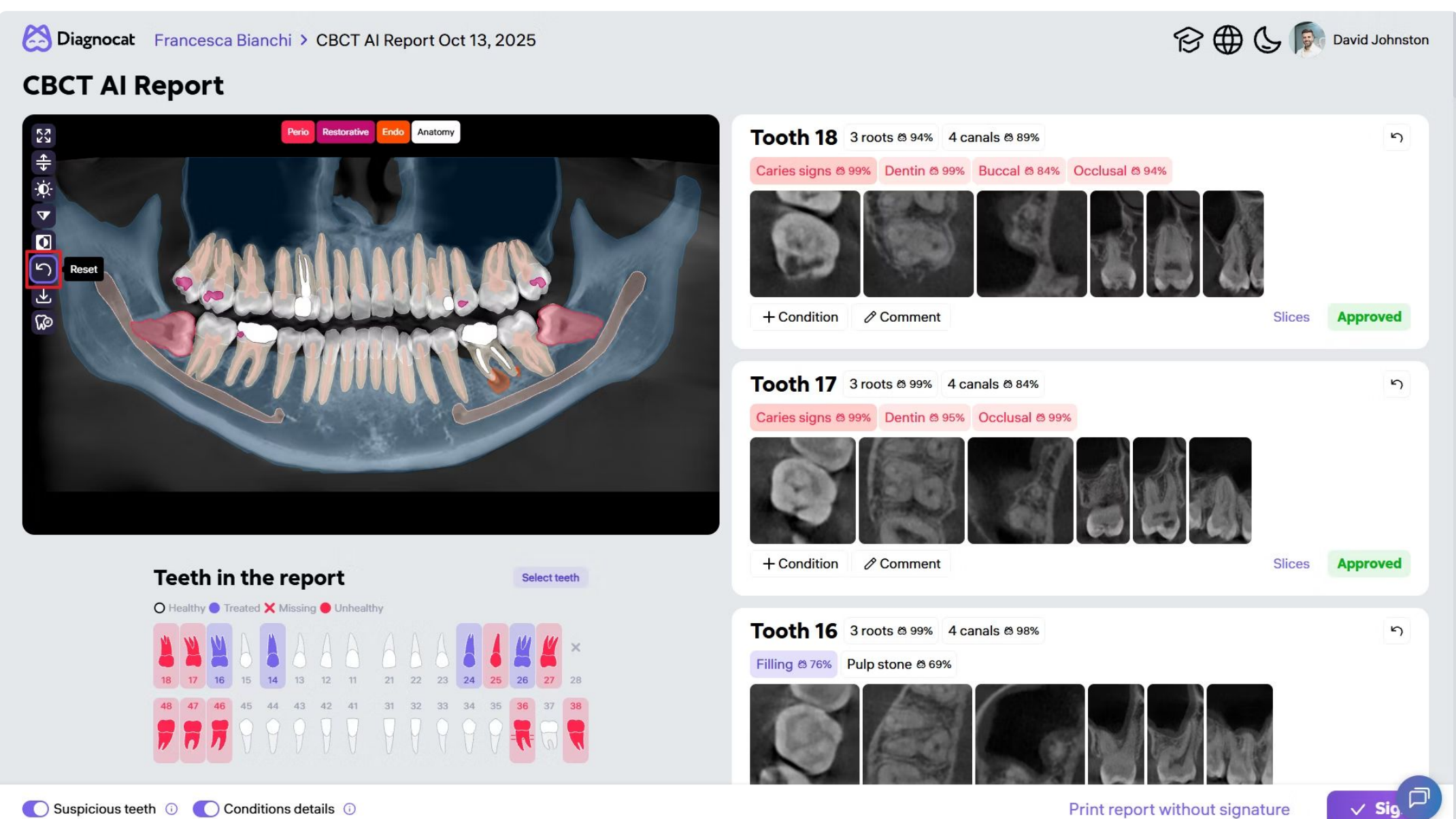
Change sharpness



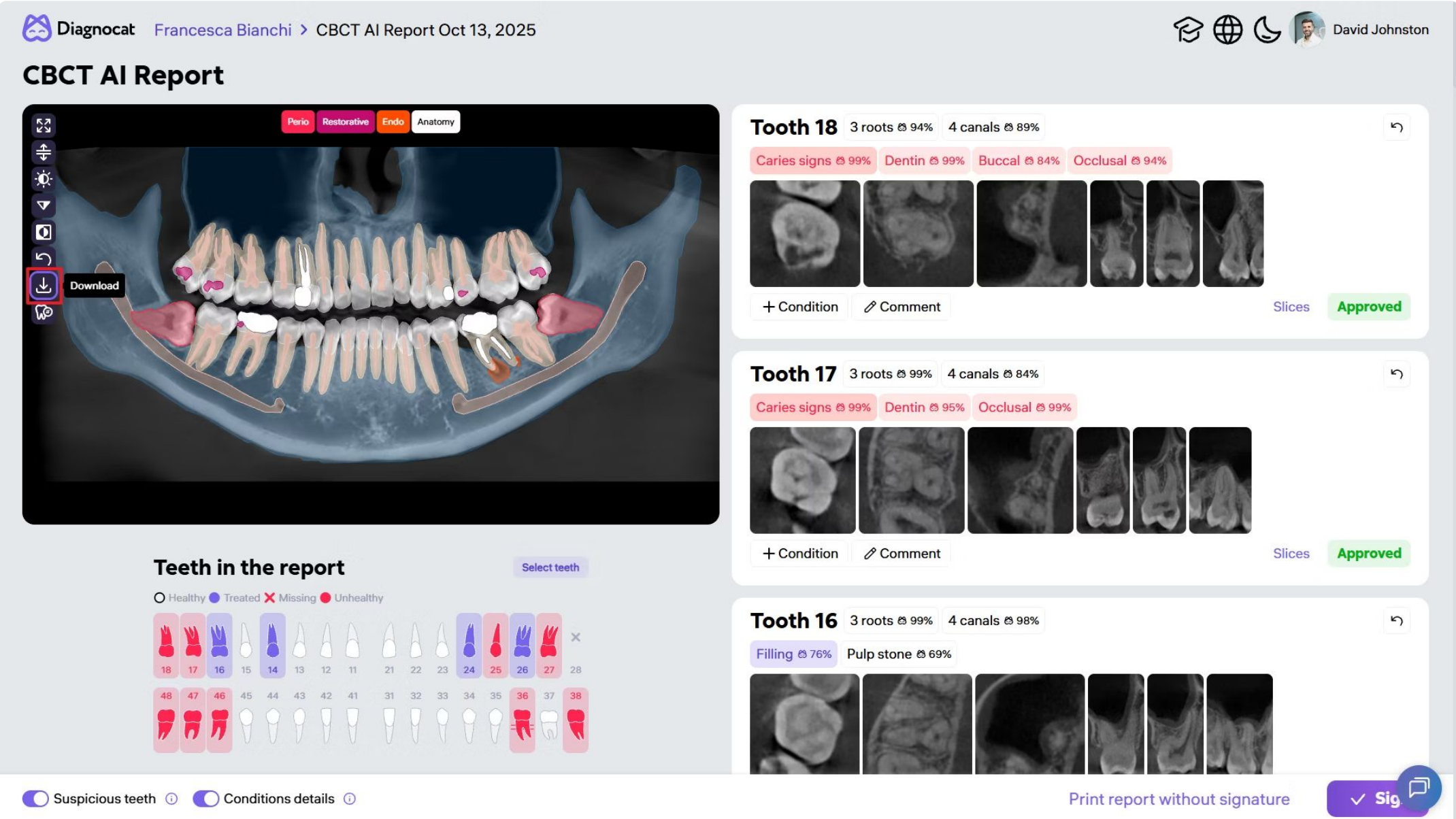
Invert image



Reset changes



Download panoramic view



Editing Tooth Information

If a tooth number is incorrect:

- 4 Confirm to update the dental formula.**

Diagnocat Francesca Bianchi > CBCT AI Report Oct 13, 2025

David Johnston

CBCT AI Report

Cancel Confirm

Edit tooth number

Teeth

18 17 16 15 14 13 12 11 21 22 23 24 25 26 27 28

48 47 46 45 44 43 42 41 31 32 33 34 35 36 37 38

55 54 53 52 51 61 62 63 64 65

85 84 83 82 81 71 72 73 74 75

Remove

Suspicious teeth ⓘ Conditions details ⓘ

Tooth 18

3 roots ⌵ 94% 4 canals ⌵ 89%

Caries signs ⌵ 99%

Dentin ⌵ 99%

Buccal ⌵ 84%

Occlusal ⌵ 94%

+ Condition

Comment

Slices

Approved

Tooth 17

3 roots ⌵ 99% 4 canals ⌵ 84%

Caries signs ⌵ 99%

Dentin ⌵ 95%

Occlusal ⌵ 99%

+ Condition

Comment

Slices

Approved

Tooth 16

3 roots ⌵ 99% 4 canals ⌵ 98%

Filling ⌵ 76%

Pulp stone ⌵ 69%

+ Condition

Comment

Slices

Approved

Print report without signature

✓ Sig

The chart updates automatically.

Critical Area Tag Filters (CATs)

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

Periodontal

Periodontal conditions

Restorative

Restorations and related findings

Endo

Endodontic conditions

Anatomy

Anatomical structures and previous treatments

Diagnocat

Francesca Bianchi

CBCT AI Report Oct 13, 2025

Perio

Restorative

Endo

Anatomy

3 roots 94%

4 canals 89%

Caries signs 99%

Dentin 99%

Buccal 84%

Occlusal 94%

+ Condition

Comment

Slices

Approved

3 roots 99%

4 canals 84%

Caries signs 99%

Dentin 95%

Occlusal 99%

+ Condition

Comment

Slices

Approved

3 roots 99%

4 canals 98%

Filling 76%

Pulp stone 69%

Slices

Approved

Teeth in the report

Select teeth

Healthy

Treated

Missing

Unhealthy

18

17

16

15

14

13

12

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27

28

48

47

46

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43

42

41

31

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37

38

Suspicious teeth

Conditions details

Print report without signature

Sig

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

Understanding the Dental Formula

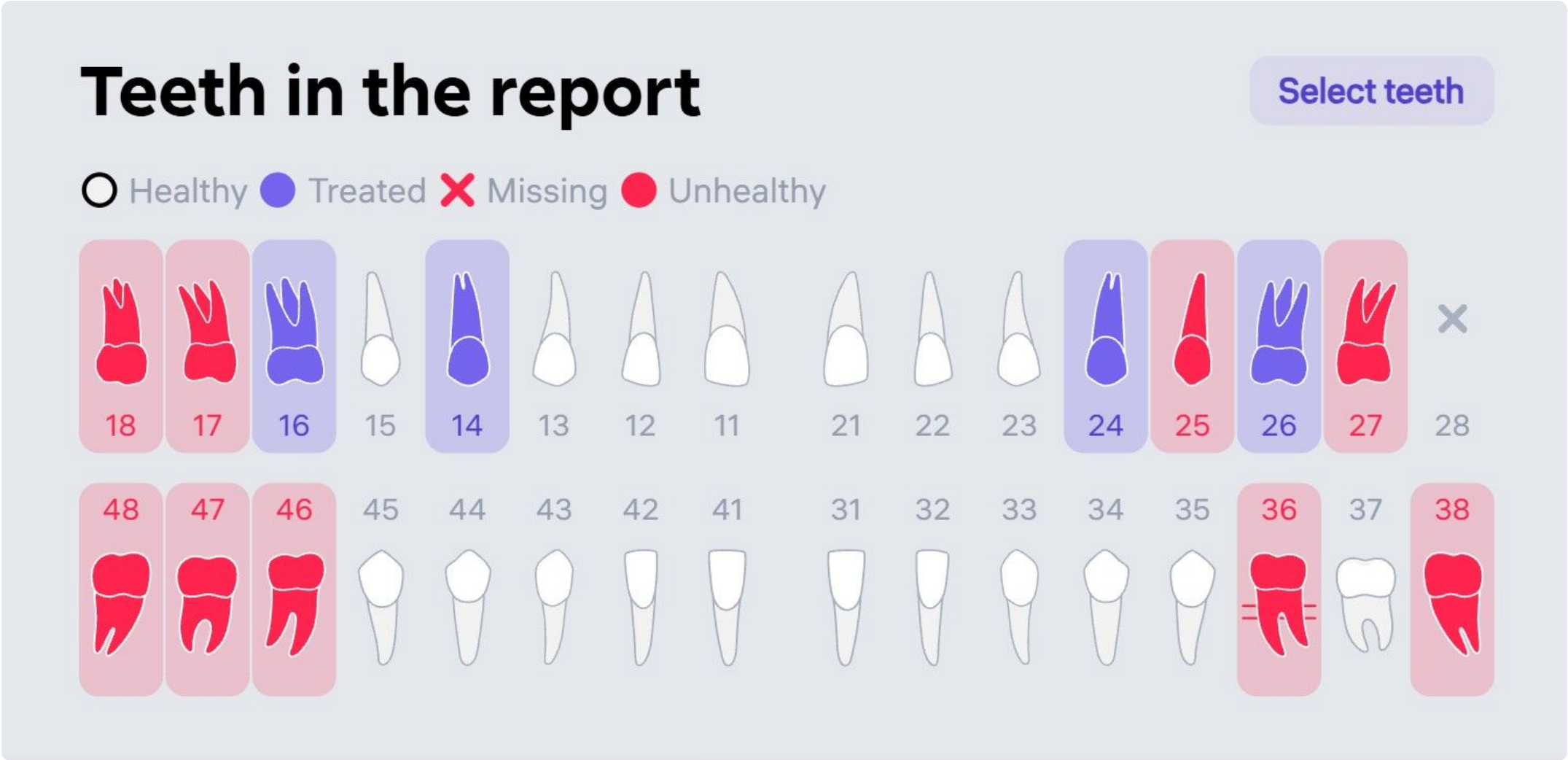
Colored indicators represent the status of the teeth:

White
Healthy teeth

Purple
Previously treated teeth

Red
Unhealthy teeth

Cross
Missing teeth



Additional Tools

Suspicious Teeth

Diagnocat

João Rodrigues da Costa

CBCT AI Report Apr 13, 2026

🏠

🌐

🌙

David Johnston

CBCT AI Report

Perio

Restorative

Endo

Anatomy

Teeth in the report

○ Healthy

✗ Missing

● Suspicious

● Unhealthy

18

17

16

55

54

53

12

11

21

62

63

64

65

26

27

28

48

47

46

85

84

83

42

41

31

32

73

74

75

36

37

38

Switch on to see caries signs and periradicular pathologies, with probability rate 30-50%

☒ Suspicious teeth

☐ Conditions details

Print report without signature

✓ Approve all and sig

Tooth 63

1 root 99%

1 canal 99%

+ Condition

Comment

Slices

Approve

Tooth 64

3 roots 93%

3 canals 98%

Caries signs 46%

+ Condition

Comment

Slices

Approve

Tooth 65

3 roots 99%

4 canals 86%

Caries signs 98%

Dentin 95%

Occlusal 94%

+ Condition

Comment

Slices

Approve

- Highlights teeth with 30–50% AI confidence - Marked in yellow - Useful for early caries or subtle lesions

Condition Details

Diagnocat

Francesca Bianchi

CBCT AI Report Oct 13, 2025

🏠

🌐

🌙

David Johnston

CBCT AI Report

Perio

Restorative

Endo

Anatomy

Teeth in the report

○ Healthy

● Treated

✗ Missing

● Unhealthy

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35

36

37

38

Turn on to view all detected conditions with details

☐ Suspicious teeth

☒ Conditions details

Print report without signature

✓ Sig

Tooth 36

3 canals

Filling

Caries signs

Endodontically treated tooth

Short filling

Periodontal bone loss

Periapical radiolucency

+ Condition

Comment

Slices

Approved

Tooth 36

2 roots 99%

3 canals 99%

Filling 99%

Caries signs 97%

Dentin 86%

Root 84%

Mesial 79%

Distal 94%

Endodontically treated tooth 98%

Short filling 90%

Adequate density 54%

Periapical radiopacity 90%

PDL space widening along the root 45%

Periodontal bone loss 91%

Moderate 91%

Horizontal 78%

Periapical radiolucency 99%

+ Condition

Comment

Slices

Approved

Tooth 35

1 root 99%

1 canal 99%

+ Condition

Comment

Slices

Approved

- Expand or collapse full detection lists

Comments

Tooth 36

3 canals

Filling

Caries signs

Endodontically treated tooth

Short filling

Periodontal bone loss

Periapical radiolucency

+ Condition

Comment

Slices

Approved

The tooth cannot be saved through conservative treatment. Extraction is recommended.

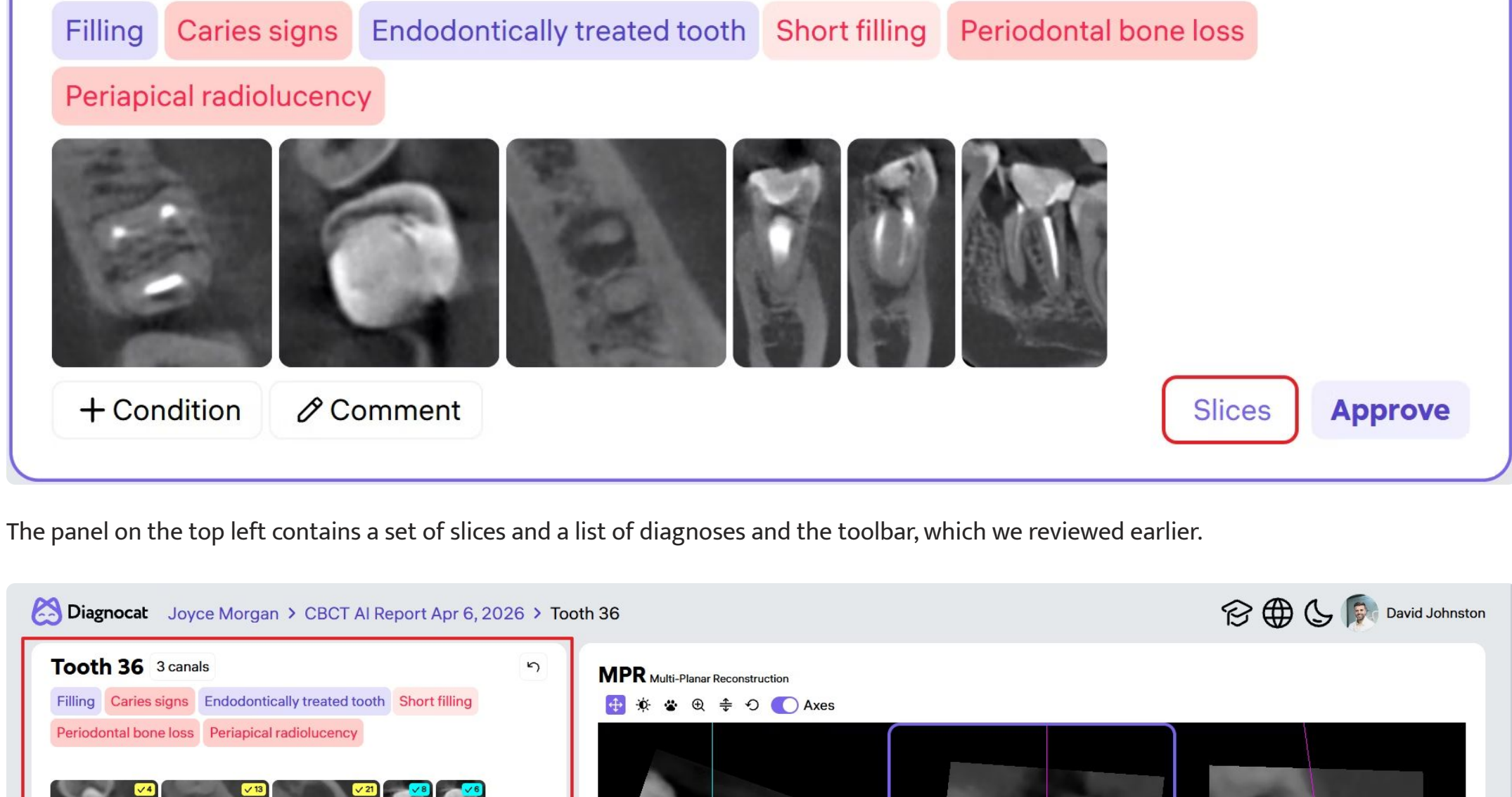
Cancel

Save

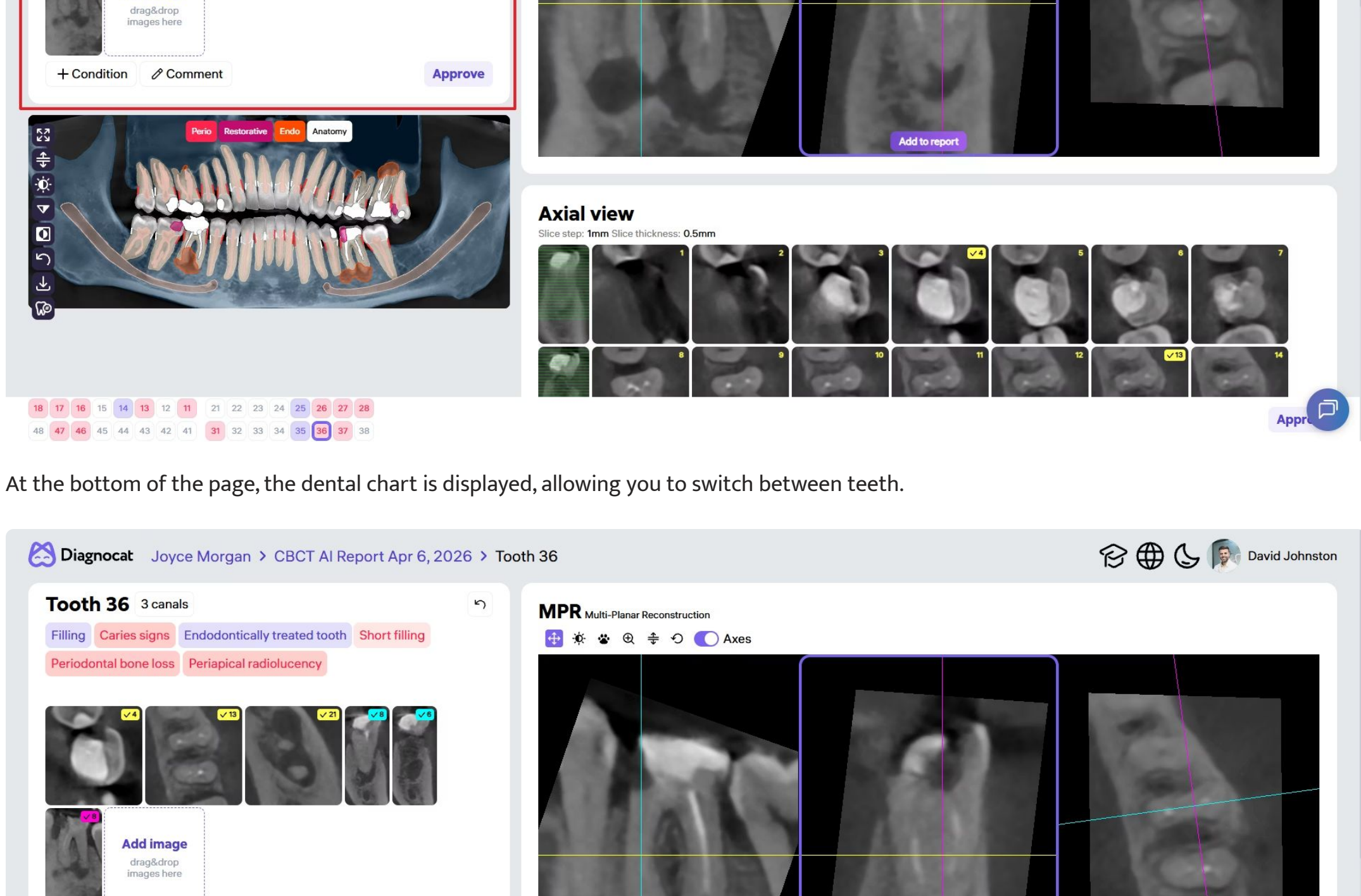
- Add notes per tooth - Included in the final report

Editing Slices

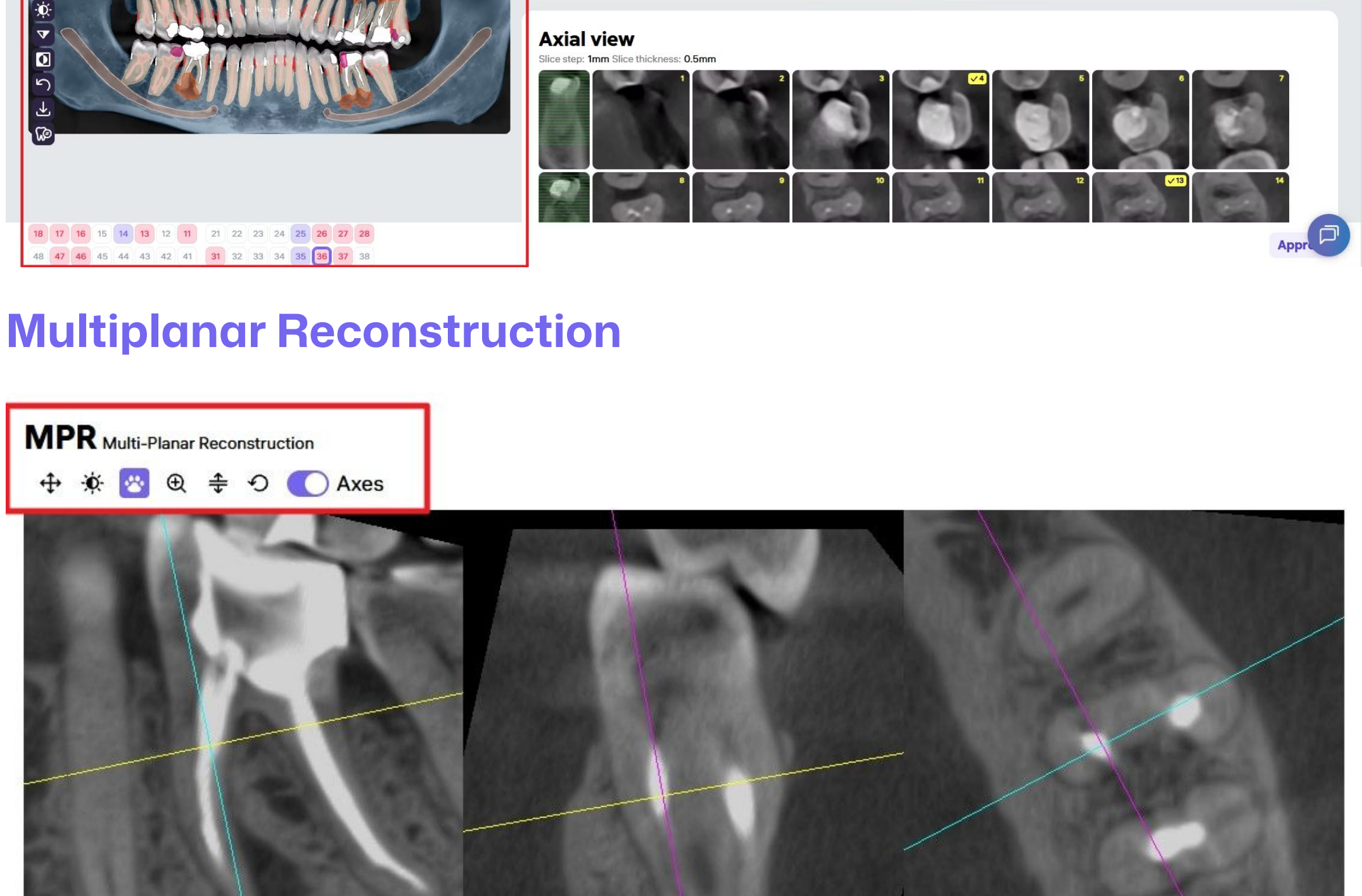
- Diagnostics auto-generates 6 slices per tooth.
- Click Slices to open the editor.



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.



Multiplanar Reconstruction

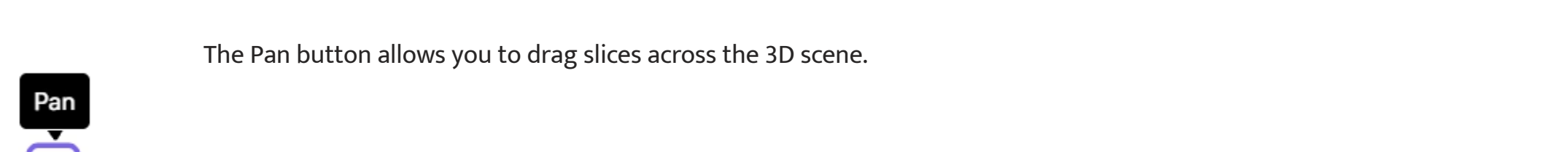


Here you can:

- Rotate teeth axially.
- Generate new slices.

Toolbar:

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



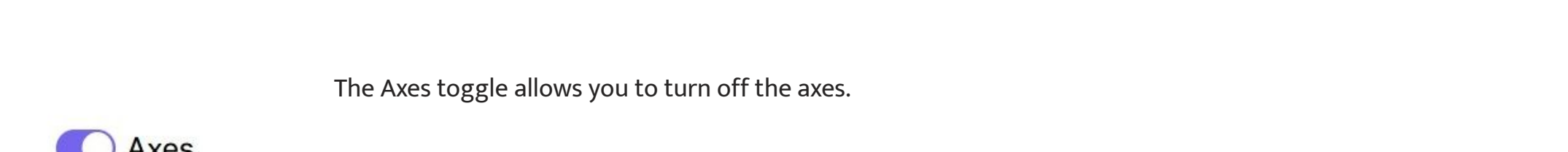
This button allows you to adjust the brightness and contrast on the slices.



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



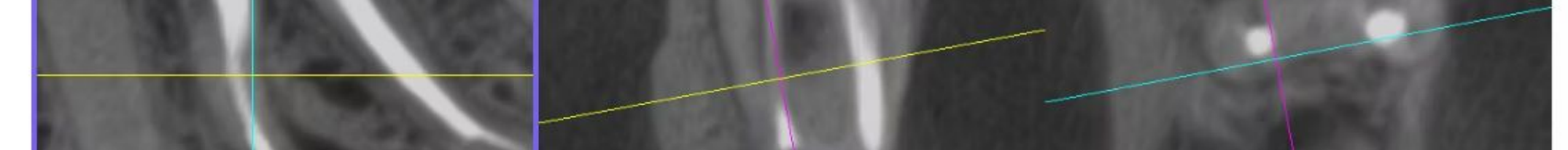
The Zoom button allows you to zoom in and out.



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



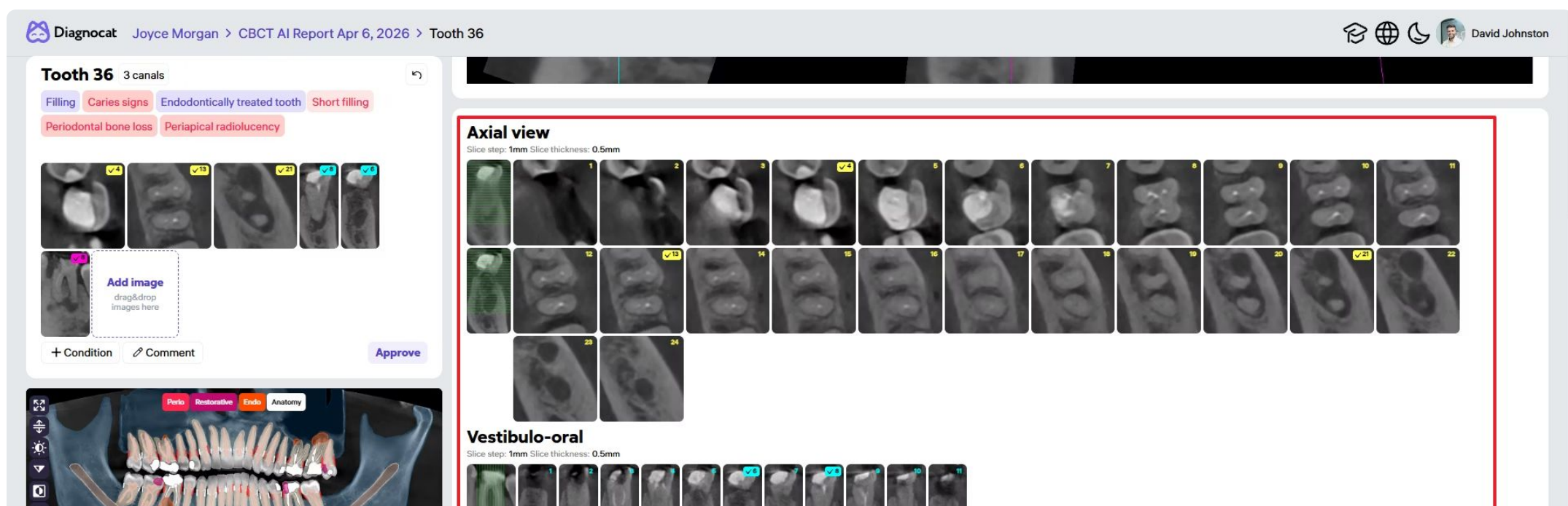
This button allows you to reset all changes made.



The Axes toggle allows you to turn off the axes.

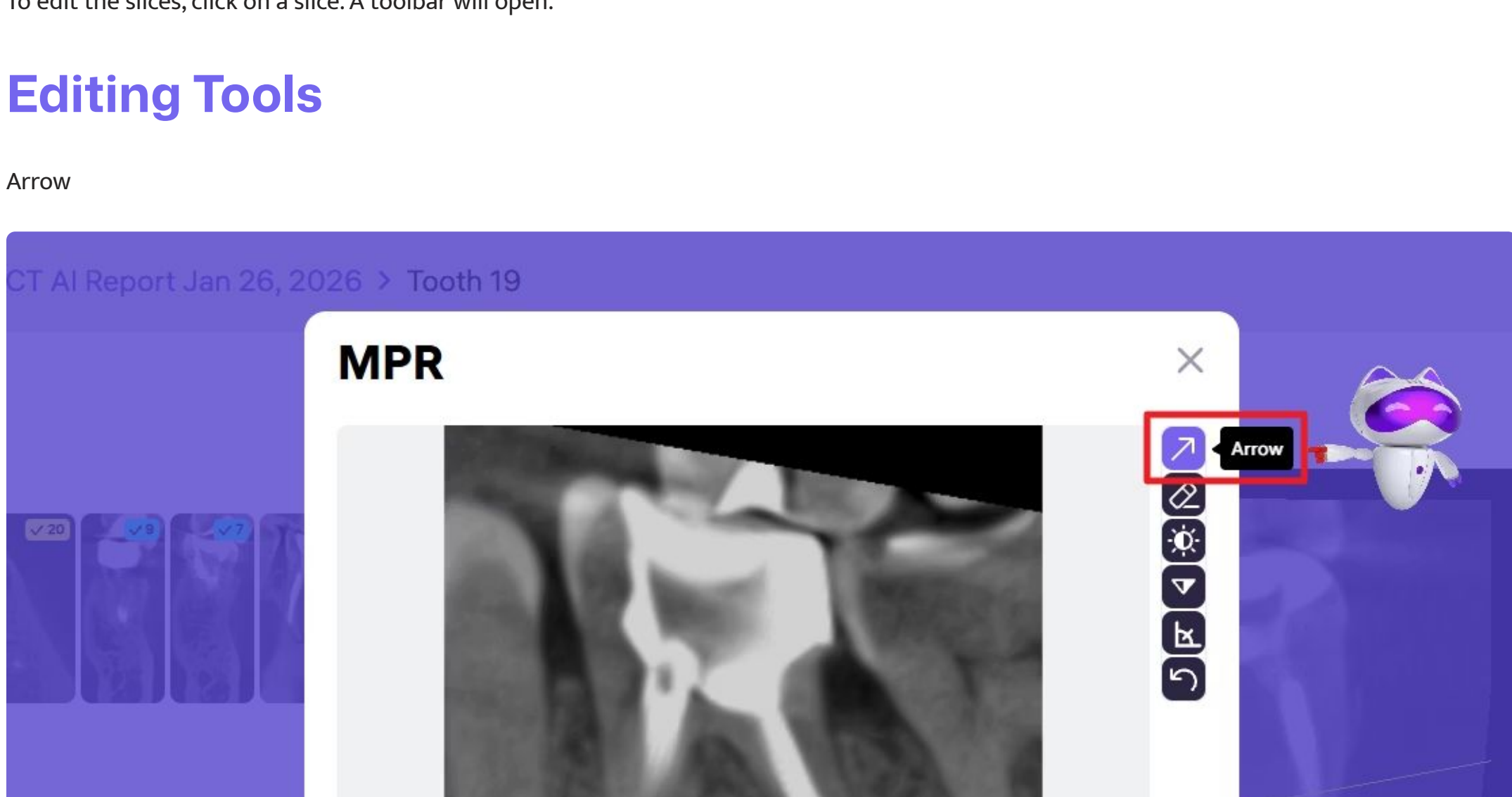


To add new slices, simply click Add to Report, then Approve.



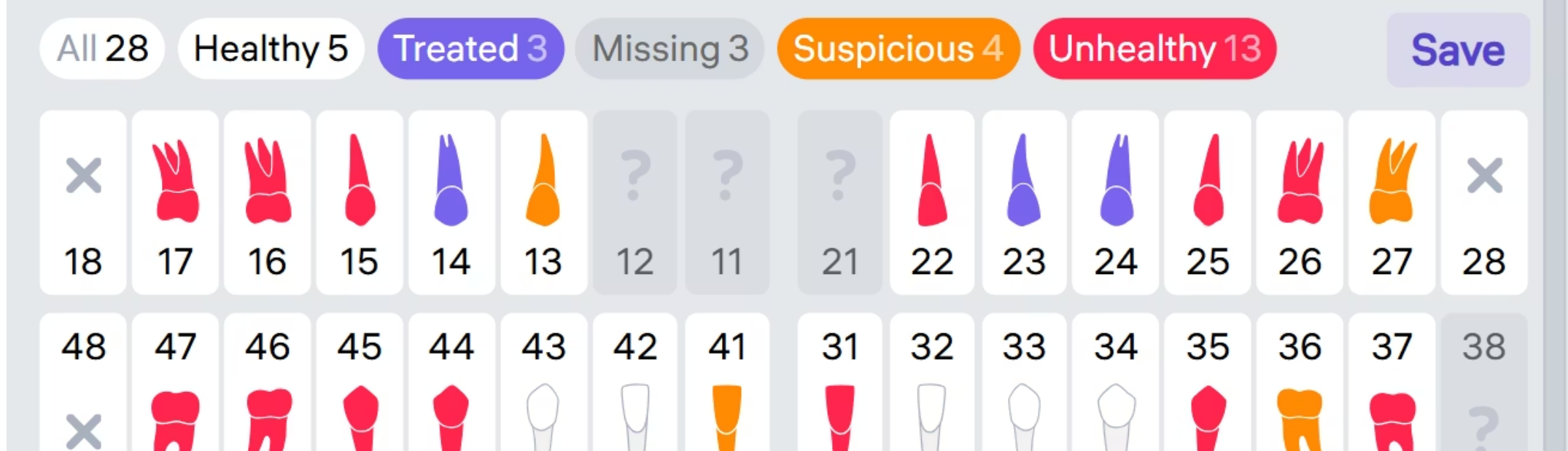
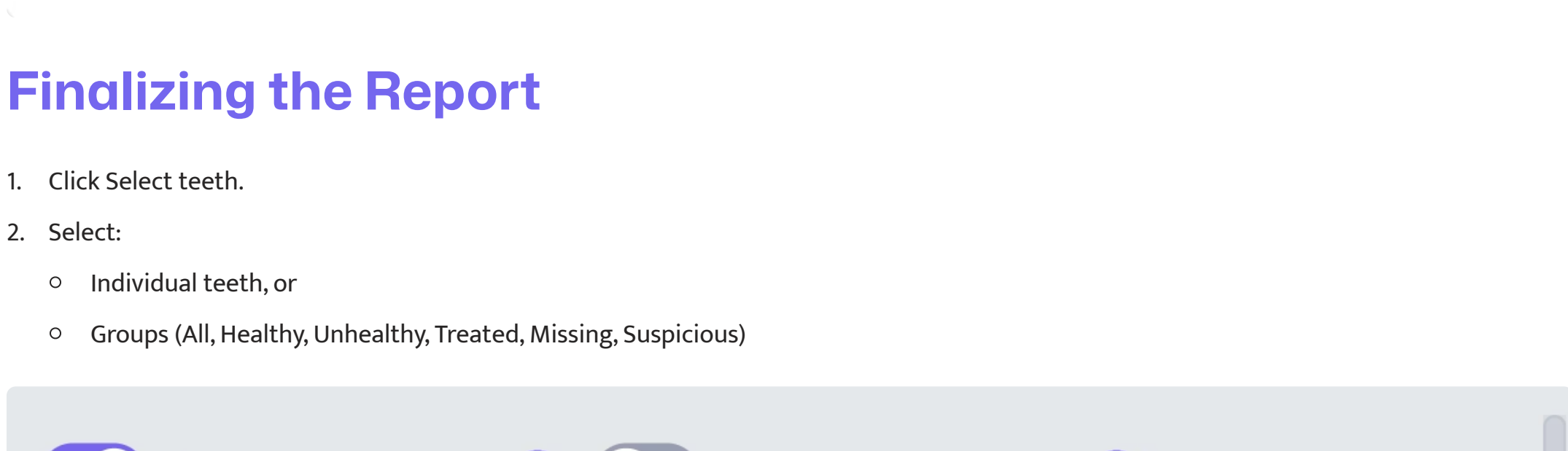
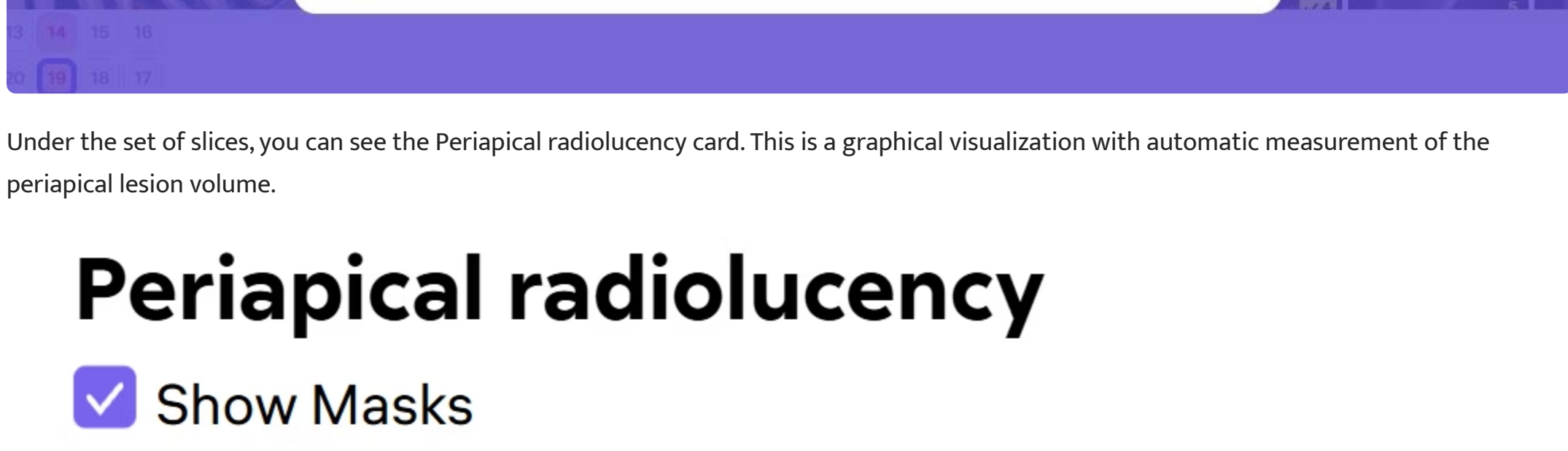
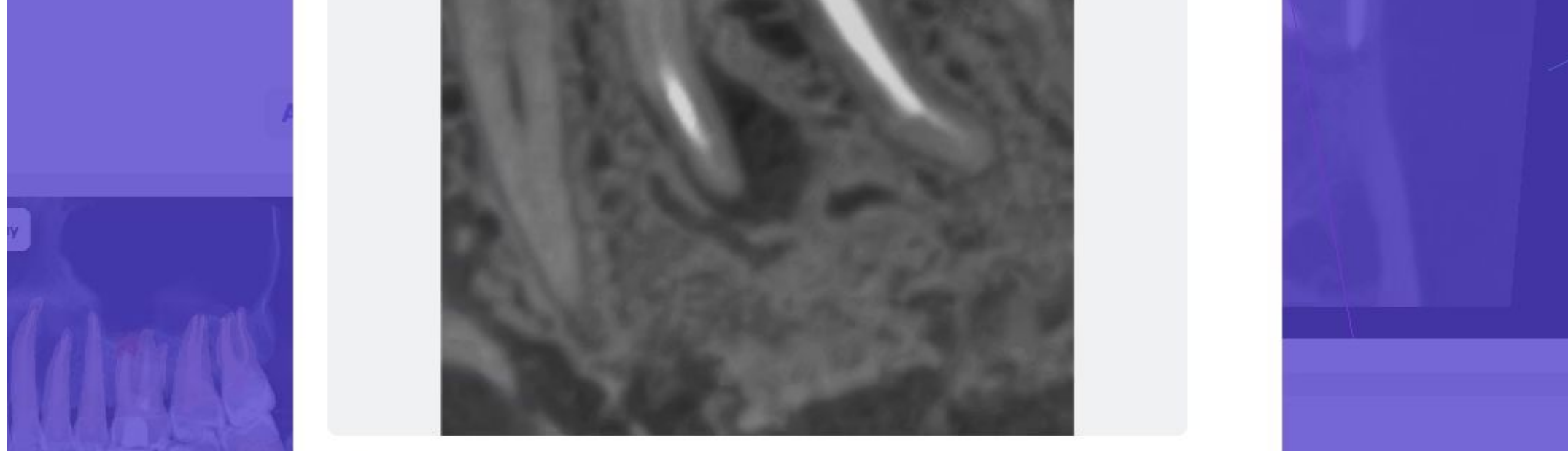
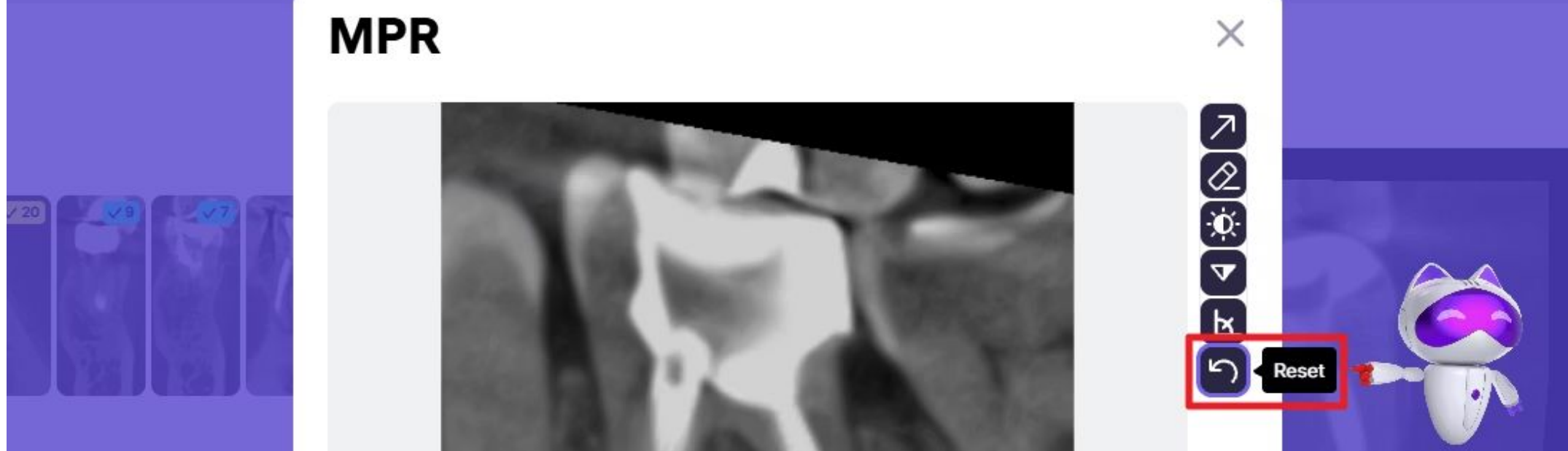
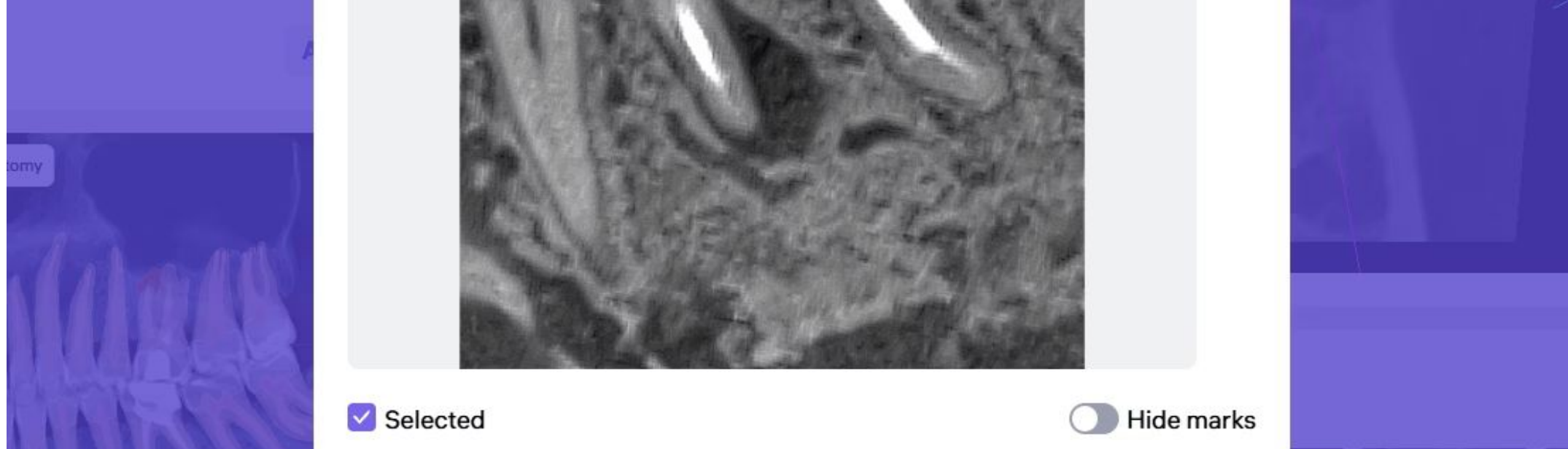
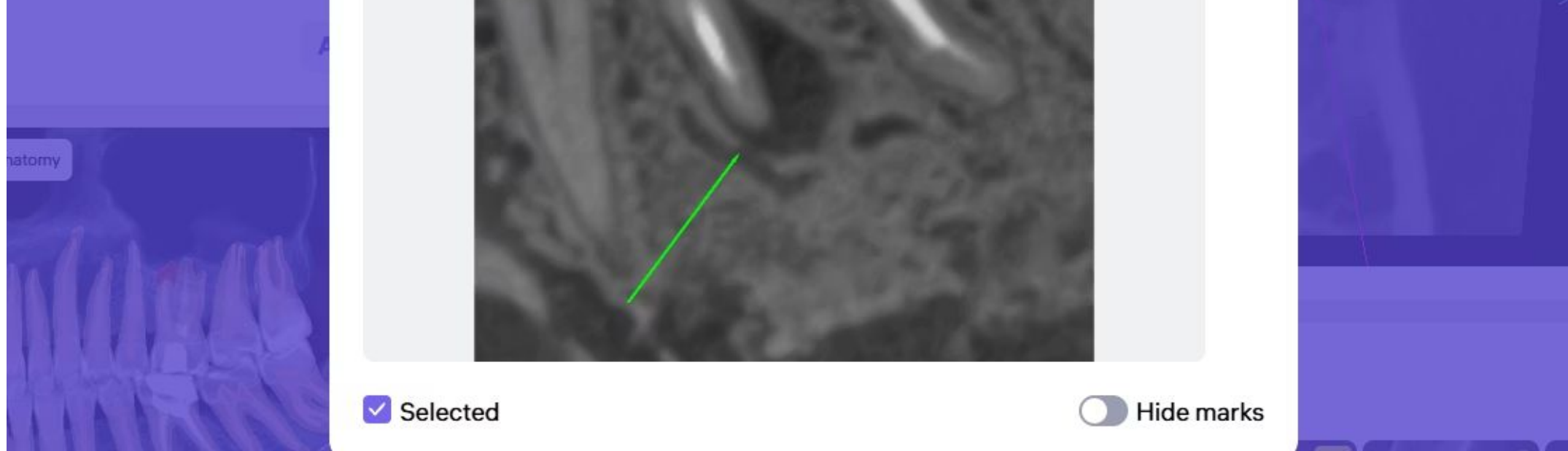
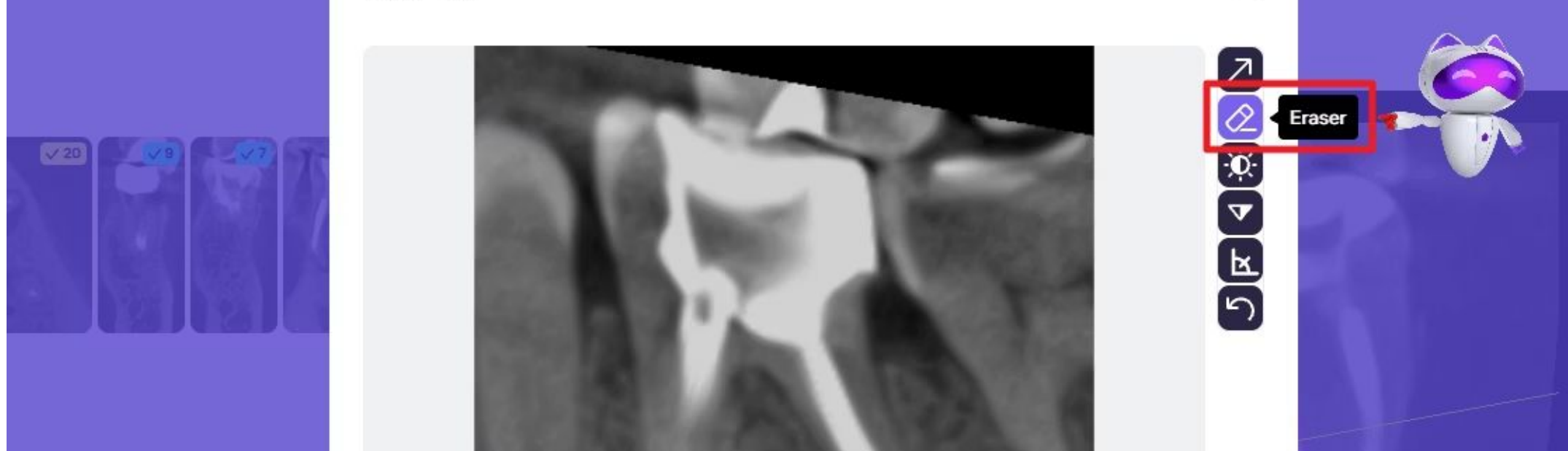
Slice Management

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



Under the set of slices, you can see the Periapical radiolucency card. This is a graphical visualization with automatic measurement of the periapical lesion volume.

Periapical radiolucency

☒ Show Masks

Measured volume: 213.584 mm³ (D)

Finalizing the Report

1. Click Select teeth.
2. Select:
 - Individual teeth, or
 - Groups (All, Healthy, Unhealthy, Treated, Missing, Suspicious)

The chosen group(s) will be included in the report.

Add Clinical Conclusions and treatment recommendations.

Diagnocat Joyce Morgan > CBCT AI Report Apr 6, 2026

David Johnston

CBCT AI Report

Perio Restorative Endo Anatomy

Periapical radiolucency

Teeth in the report

○ Healthy ● Treated ✕ Missing ● Unhealthy

18 17 16 15 14 13 12 11 21 22 23 24 25 26 27 28 48 47 46 45 44 43 42 41 31 32 33 34 35 36 37 38

Select teeth

Caries signs

+ Condition Comment Slices Approve

Tooth 48 3 canals

+ Condition Comment Slices Approve

Conclusion

Treatment Plan

1. Periodontal Consultation: Specialist assessment of gum health.
2. Periodontal Treatment: Procedures aimed at treating gum disease (e.g., scaling and root planing).
3. Extraction: Removal of tooth 28.
4. Endodontic Retreatment: Root canal retreatment for teeth 26, 27, 46, and 47.
5. Prosthodontic Consultation: Consultation with a specialist for restorative and prosthetic options.

Save

☐ Suspicious teeth ☐ Conditions details

Print report without signature

✓ Approve all and sig.

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

Exporting the Final Report

You now have a complete report, featuring your findings and notes, as well as your clinic's logo and information.

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

Settings

Print type

BAW

Color

☐ Inverted

☒ Probability

☒ Tooth chart

☒ Upper jaw

☒ Lower jaw

☒ Conditions

☒ Slices

☒ Show masks

☐ Other findings

☐ Study meta info

Signed by doctor

Print

Download PDF

Dental Clinic

Schillerstraße 33
Frankfurt am Main, 60313
Germany
+49 (0)69 61898293
info@DentalClinic.de

CBCT AI Report

Joyce Morgan, August 14, 1972, 53 y.o.

Study Date
Jul 9, 2024, 10:31 AM

18

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31

32

33

34

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38

Unhealthy

Treated

Healthy

Missing

Tooth 18

Tooth 95%, 3 canals 79%, Caries signs 66%

Customize report parameters:

- Print type black and white or color
- Inverted

Settings

Print type

BAW

Color

☒ Inverted

☒ Probability

☒ Tooth chart

☒ Upper jaw

☒ Lower jaw

☒ Conditions

☒ Slices

☒ Show masks

☐ Other findings

☐ Study meta info

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Unhealthy

Treated

Healthy

Missing

Tooth 18

Tooth 95%, 3 canals 79%, Caries signs 66%

By unchecking the "Probability" box, you can hide the probability percentage of conditions.

DiagnocatJoyce Morgan > CBCT AI Report Apr 6, 2026 > Print Report

Settings

Print type

BAW

Color

☐ Inverted

☐ Probability

☒ Tooth chart

☒ Upper jaw

☒ Lower jaw

☒ Conditions

☒ Slices

☒ Show masks

☐ Other findings

☐ Study meta info

Signed by doctor

Print

Download PDF

Tooth 12

Tooth, 1 canal

Tooth 11

Tooth, 1 canal, Attrition

Tooth 21

Tooth, 1 canal

Tooth 22

Tooth, 1 canal, Periodontal bone loss

Tooth 23

Tooth, 1 canal

Tooth 24

Tooth, 2 canals

Tooth 25

Tooth, Filling, 1 canal

Tooth 26

Tooth, Filling, 4 canals, Endodontically treated tooth (Short filling), Periodontal bone loss, Periapical radiolucency

Tooth 27

Tooth, Filling, 4 canals, Endodontically treated tooth (Short filling), Periodontal bone loss, Signs of communication with maxillary sinus, Periapical radiolucency

Tooth 28

Tooth, Filling, 3 canals, Caries signs, Periodontal bone loss

Tooth 38

Missing

Tooth 37

Tooth, 1 canal, Caries signs

Tooth 36

Tooth, Filling, 3 canals, Caries signs, Endodontically treated tooth (Short filling), Periodontal bone loss (Severe), Periapical radiolucency

Tooth 35

Tooth, Filling, 1 canal, Periodontal bone loss

Tooth 34

Tooth, 1 canal

Tooth 11

Tooth 95%, 1 canal 99%, Attrition 62%

Tooth 21

Tooth 95%, 1 canal 99%

Tooth 22

Tooth 95%, 1 canal 99%, Periodontal bone loss 78%

Tooth 23

Tooth 95%, 1 canal 99%

Tooth 24

Tooth 94%, 2 canals 99%

Tooth 25

Tooth 95%, Filling 99%, 1 canal 99%

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

BAW

Color

☐ Inverted

☒ Probability

☐ Tooth chart

☐ Upper jaw

☐ Lower jaw

☒ Conditions

☒ Slices

☒ Show masks

☐ Other findings

☐ Study meta info

Signed by doctor

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David Johnston

Chief Dental Officer

Report signed: Apr 28, 2026, 2:22 PM

Dr. David Johnston

Dental Clinic
Schillerstraße 33
60313 Frankfurt am Main
+49 (0)69 61898293

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

BAW

Color

☐ Inverted

☒ Probability

☒ Tooth chart

☒ Upper jaw

☒ Lower jaw

☒ Conditions

☒ Slices

☒ Show masks

☐ Other findings

☐ Study meta info

Signed by doctor

Print

Download PDF

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41

31

32

33

34

35

36

37

38

Unhealthy

Treated

Healthy

Missing

Tooth 18

Tooth 95%, 3 canals 79%, Caries signs 66%

Tooth 17

Tooth 94%, Filling 98%, 4 canals 97%, Caries signs 70%

Tooth 16

Tooth 94%, Filling 99%, 4 canals 84%, Periodontal bone loss 68%, Periapical radiolucency 75%

Tooth 15

Tooth 94%, 1 canal 65%

Tooth 14

Tooth 95%, Filling 99%, 2 canals 99%

Tooth 13

Tooth 95%, 1 canal 99%, Caries signs 67%, Attrition 54%

Tooth 12

Tooth 95%, 1 canal 99%

Tooth 11

Tooth 95%, 1 canal 99%, Attrition 62%

Tooth 21

Tooth 95%, 1 canal 99%

Tooth 22

Tooth 95%, 1 canal 99%, Periodontal bone loss 78%

Tooth 23

Tooth 95%, 1 canal 99%

Tooth 24

Tooth 94%, 2 canals 99%

You can hide or show CATS on the Panoramic reformat.

DiagnocatJoyce Morgan > CBCT AI Report Apr 6, 2026 > Print Report

Settings

Print type

BAW

Color

☐ Inverted

☐ Probability

☒ Tooth chart

☒ Upper jaw

☒ Lower jaw

☒ Conditions

☒ Slices

☐ Show masks

☐ Other findings

☐ Study meta info

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33

34

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36

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Unhealthy

Treated

Healthy

Missing

Tooth 18

Tooth 95%, 3 canals 79%, Caries signs 66%

The 'Other findings' section includes information on signs of maxillary sinus abnormality and signs of bone structure abnormality in the report.

DiagnocatJoyce Morgan > CBCT AI Report Apr 6, 2026 > Print Report

Settings

Print type

BAW

Color

☐ Inverted

☐ Probability

☒ Tooth chart

☒ Upper jaw

☒ Lower jaw

☒ Conditions

☒ Slices

☒ Show masks

☐ Other findings

☐ Study meta info

Signed by doctor

Print

Download PDF

Other findings

Signs of maxillary sinus abnormality (2)

Tooth 18

Tooth 95%, 3 canals 79%, Caries signs 66%

Tooth 17

Tooth 94%, Filling 98%, 4 canals 97%, Caries signs 70%

Download as PDF or print for patient consultation.

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