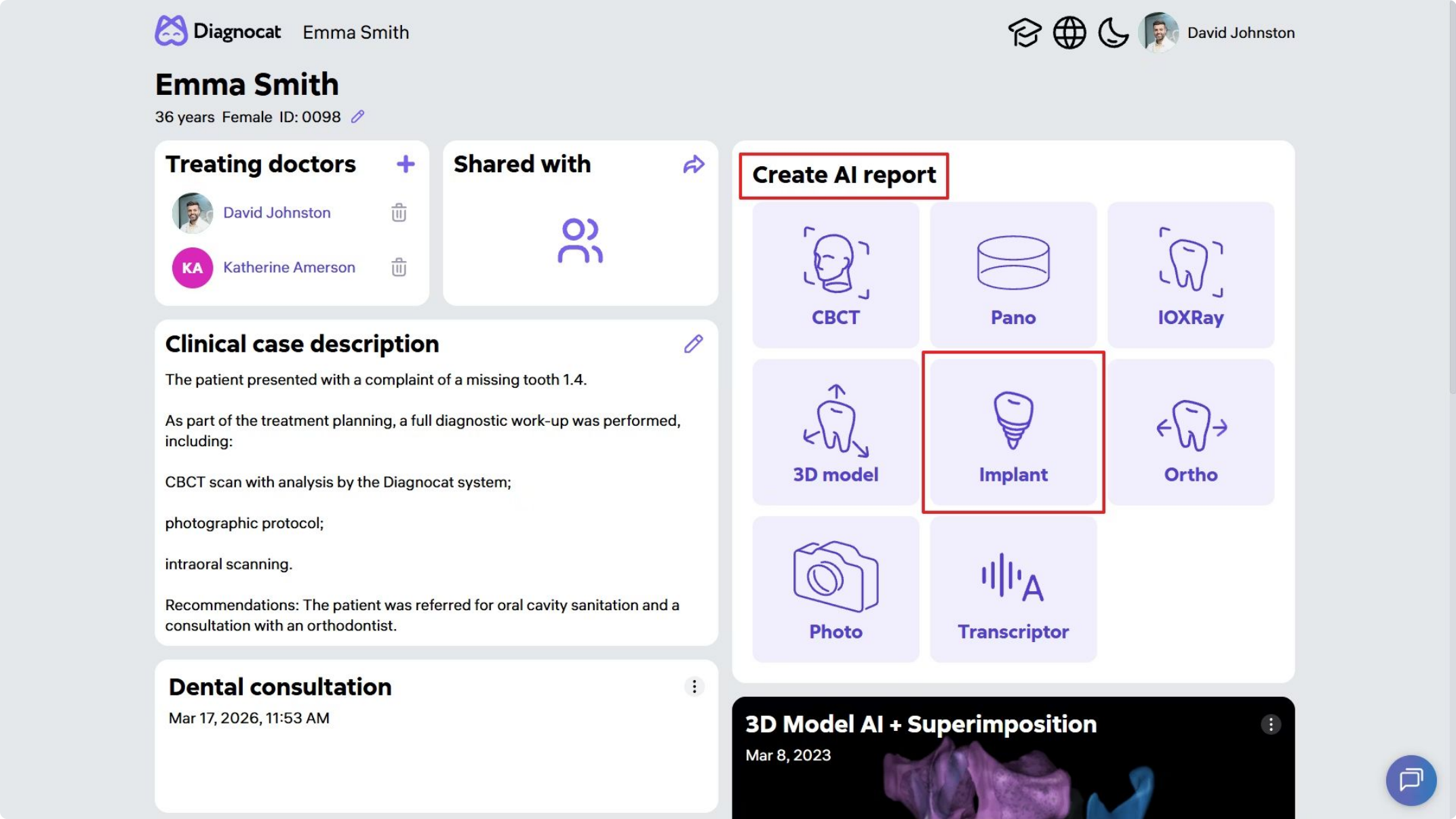


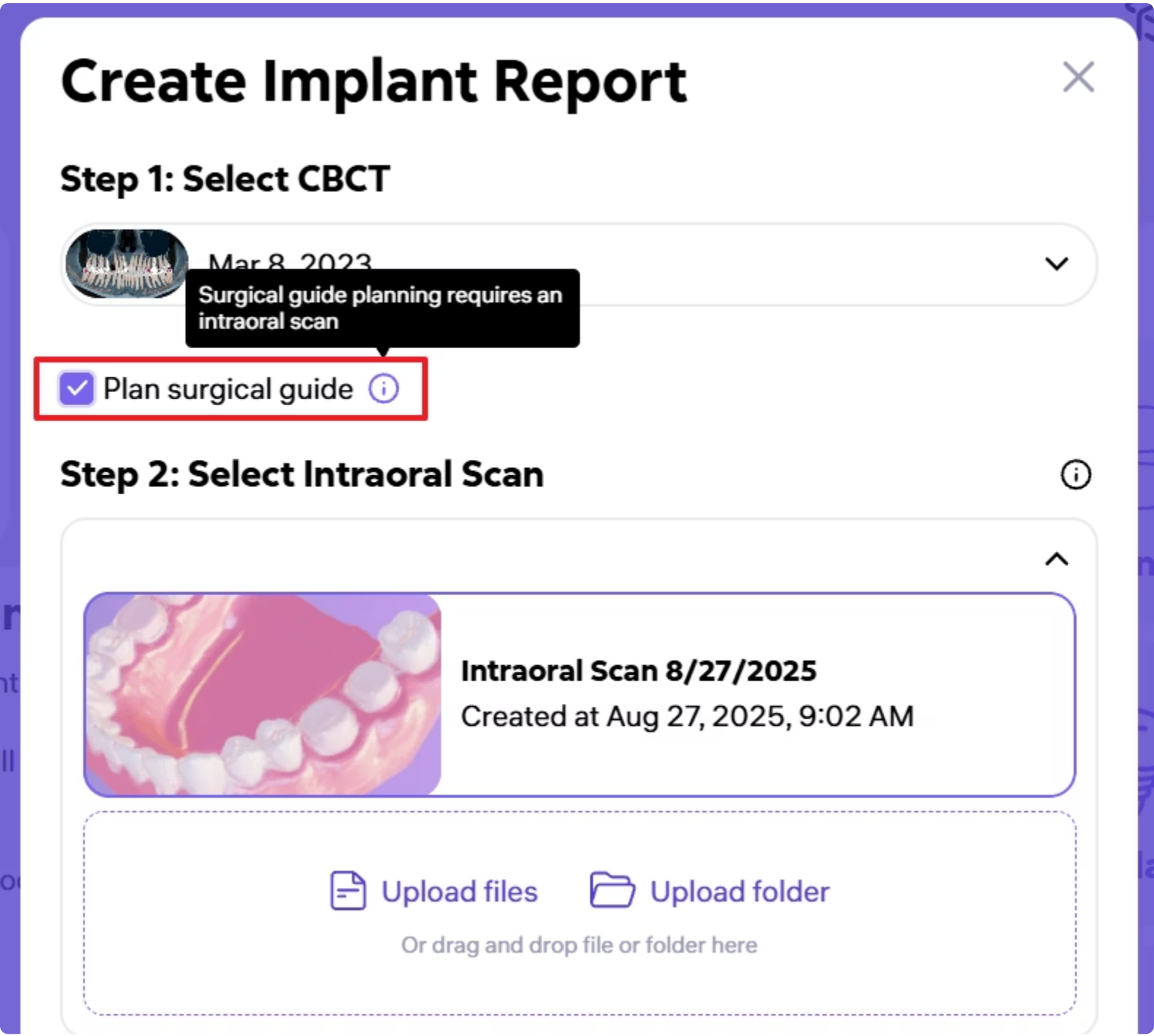
Implant Report



This guide walks through each step of the implant planning process.

Creating an Implant Report

- 1
- Navigate to Create AI Report.
- 2
- Select Implant.



In the pop-up window:

1. Select the CBCT scan.
2. Upload intraoral scans for both upper and lower jaws.
3. Upload files via drag-and-drop or manual file selection.

Note: You may order an Implant Report without uploading intraoral scans. If you do so, you will still be able to plan the implant position, however you will not be able to generate a surgical guide.

Click Order to begin report generation.

Diagnocat automatically performs:

- Segmentation of anatomical structures
- Superimposition for accurate spatial alignment

This creates a detailed 3D anatomical foundation for implant planning.

AI Detection & Implant Proposal

- Diagnostics automatically detects missing teeth.
- The AI automatically positions implants, placing one implant for each missing tooth.

Example: If tooth 1.4 is missing, an implant site is proposed automatically.

Implant Planning Panel

The Implant Planning Panel is located on the right side of the screen.

1 STEP. Planning options



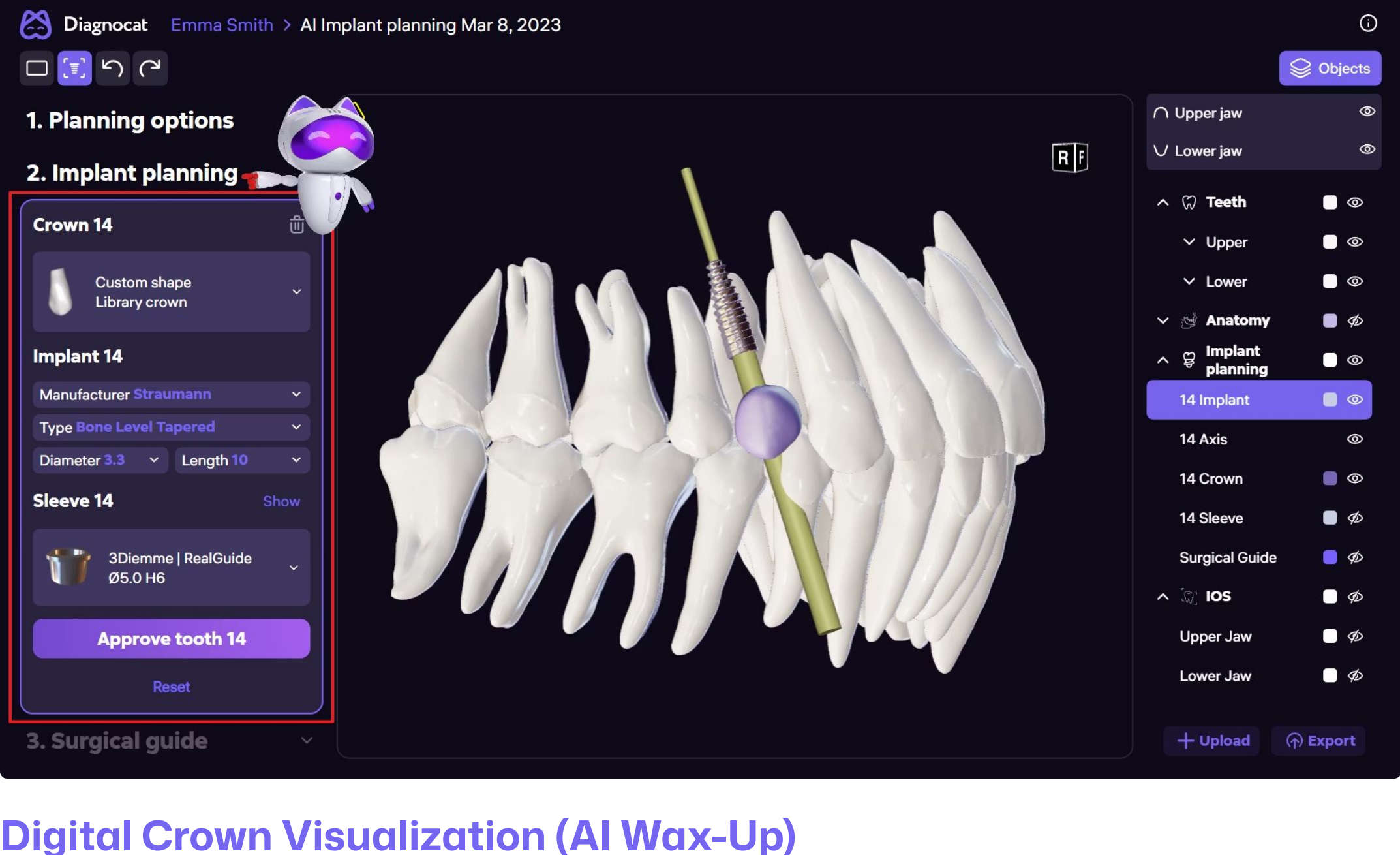
Here, you can select:

- Implant manufacturer
- Specific implant system or type
- Implant sites by tooth number (single or multiple)

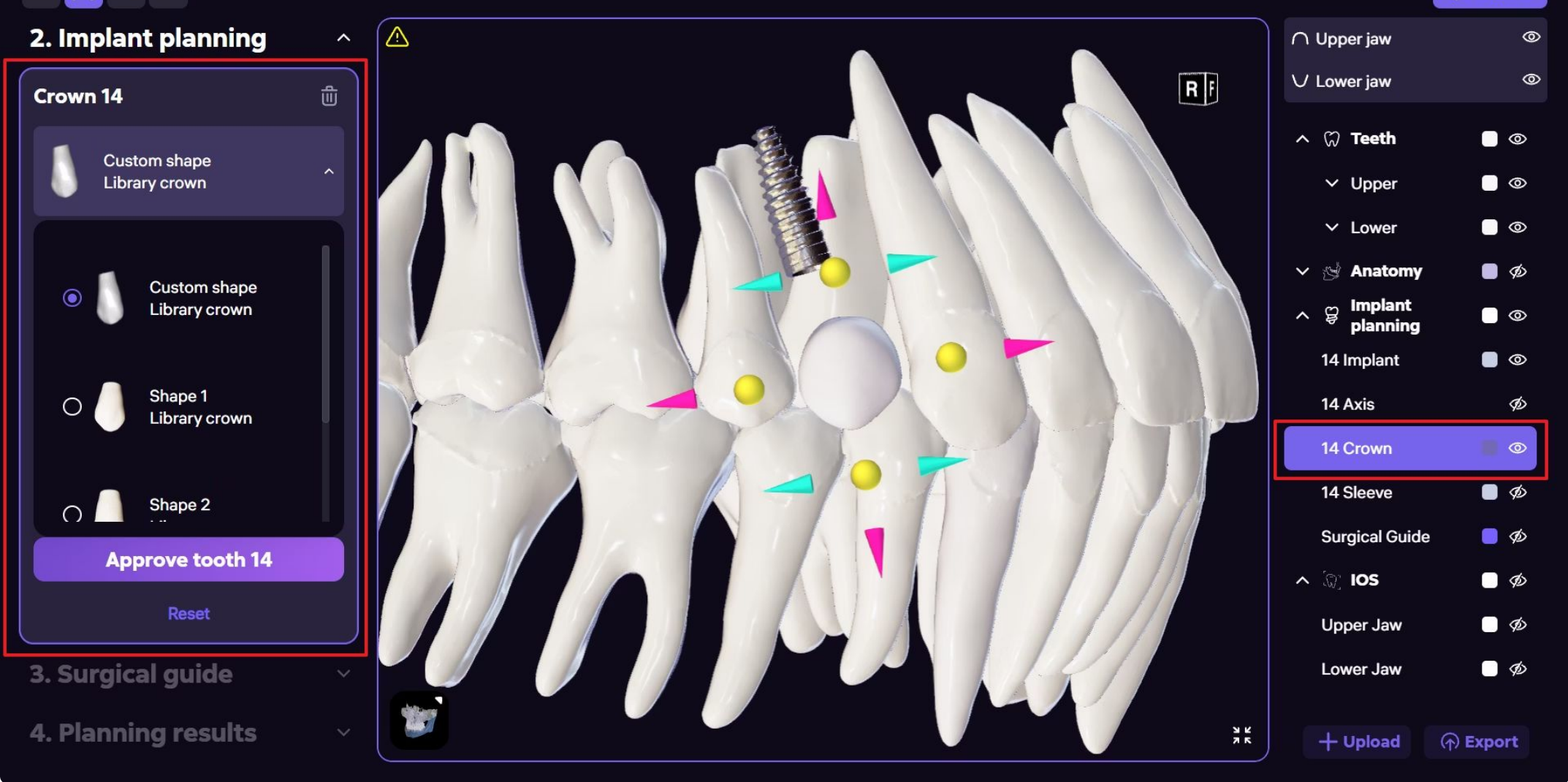
This panel centralizes all implant-related controls.

Click 'Start Planning'

2 STEP. Implant Planning



Digital Crown Visualization (AI Wax-Up)



You can choose a suitable crown shape from the crown library, and manually adapt it using the crown shaping tool directly in the 3D scene.

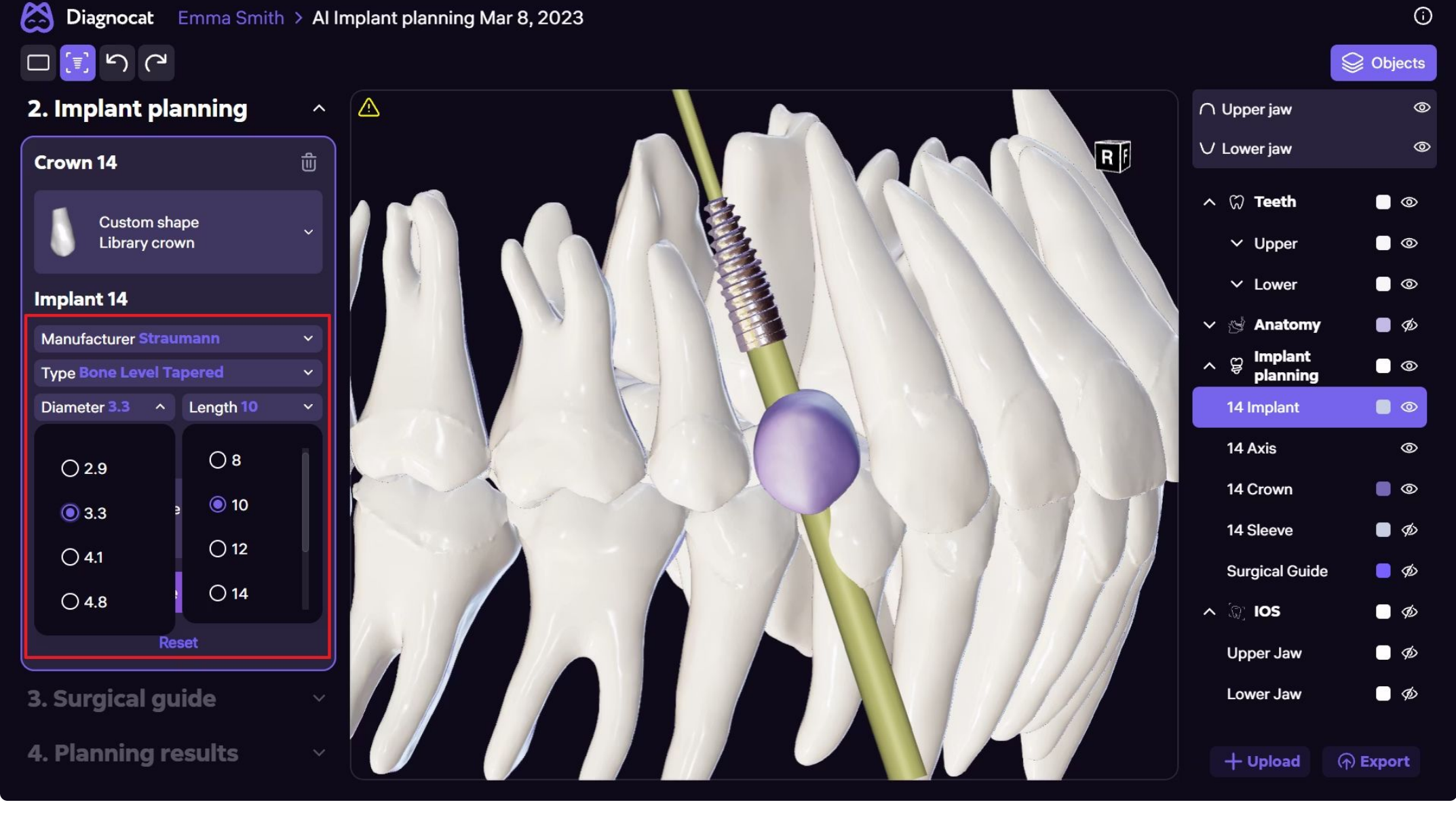
Diagnocat generates a digital crown based on adjacent teeth.

This AI-generated wax-up:

- Ensures anatomical harmony
- Supports functional alignment
- Provides a visual reference for implant positioning

The crown serves as a prosthetically driven guide for planning.

Implant Adjustment & Positioning

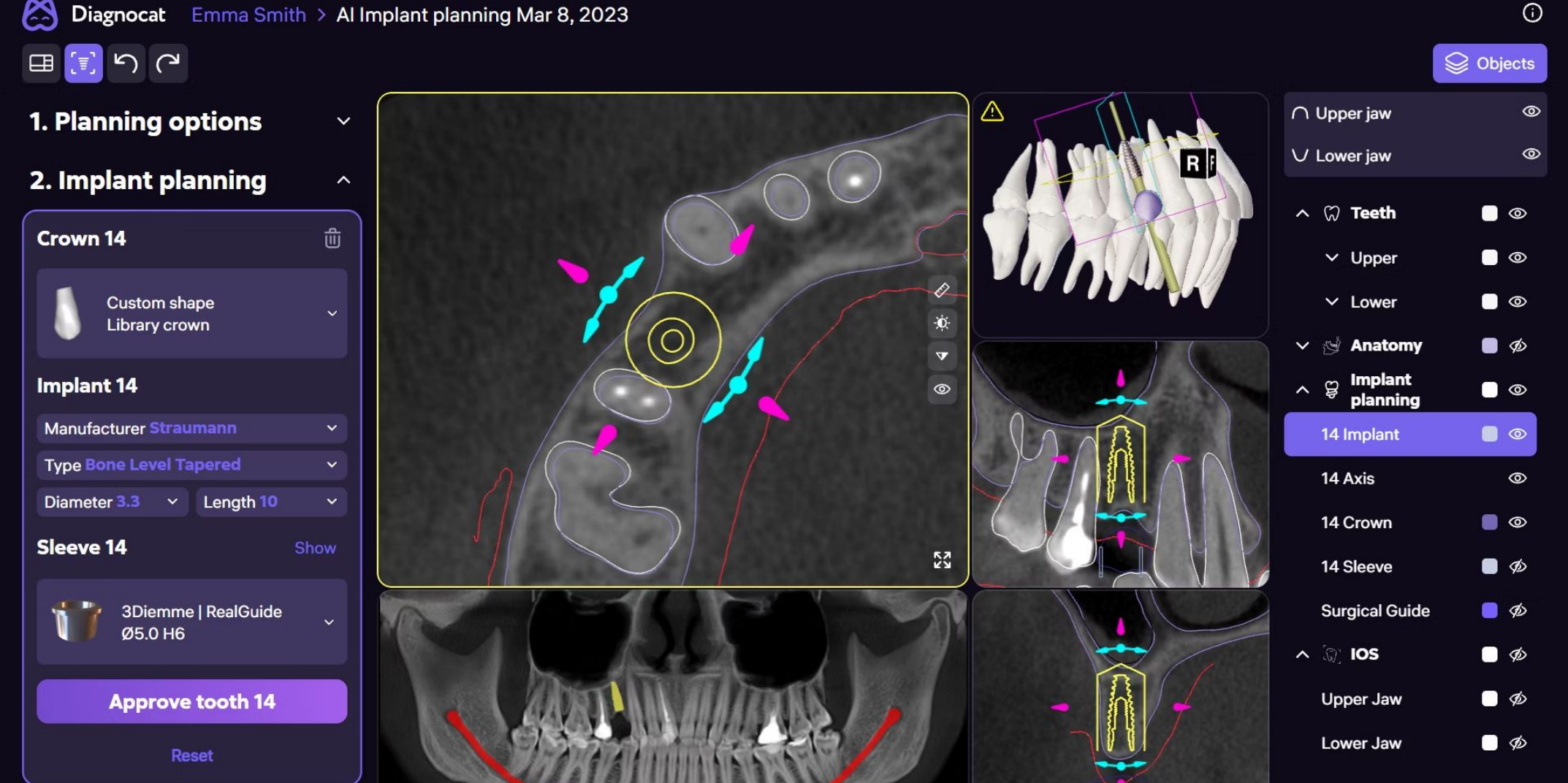


You can manually adjust:

- Implant diameter
- Implant length

Although AI provides recommendations, full clinical control is retained.

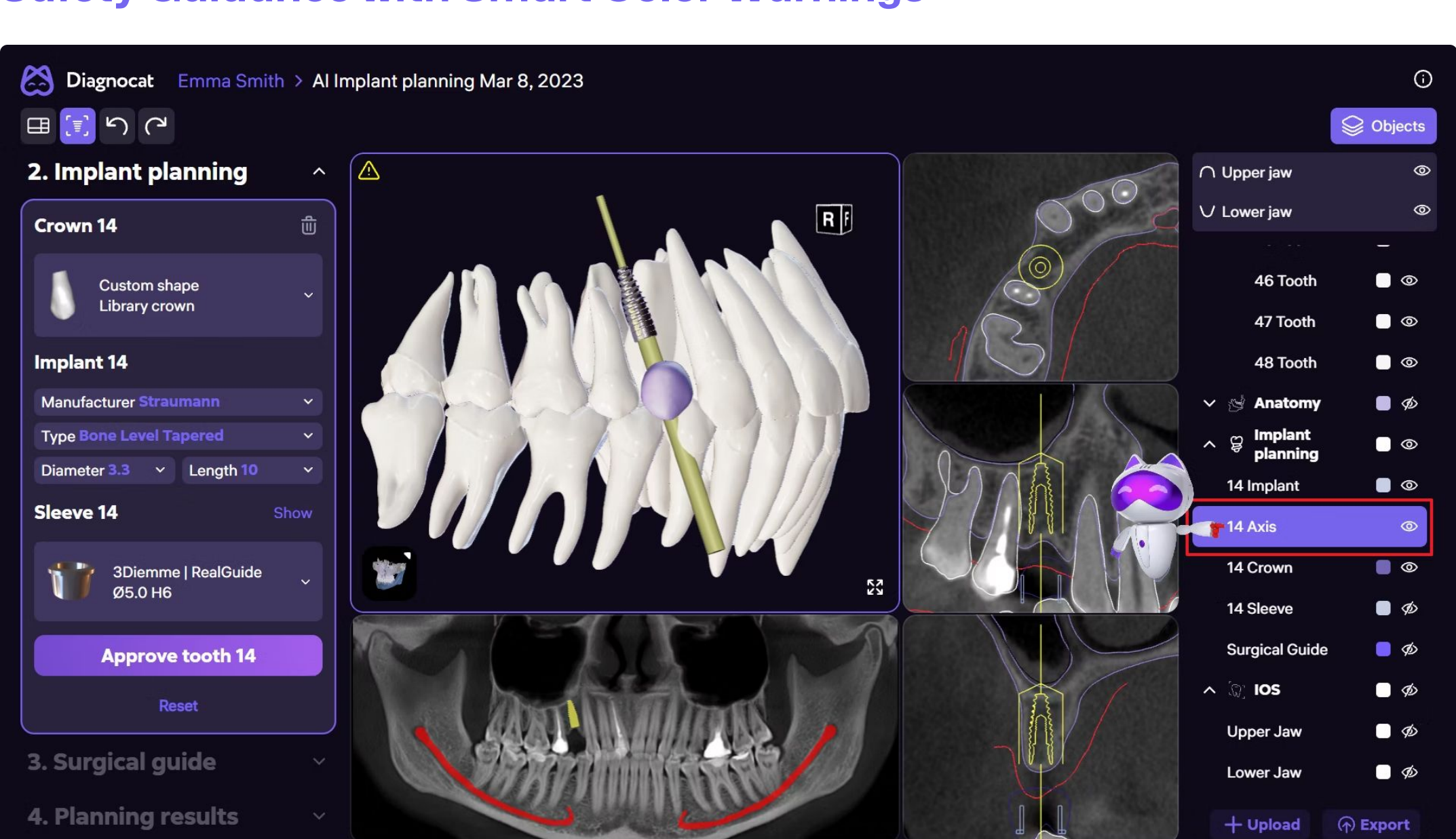
Advanced Positioning Tools



- Use Multiplanar Reconstruction (MPR) to adjust placement in all three planes
- A 3D central axis projection helps ensure precise alignment

These tools allow fine-tuning of implant orientation and depth.

Safety Guidance with Smart Color Warnings

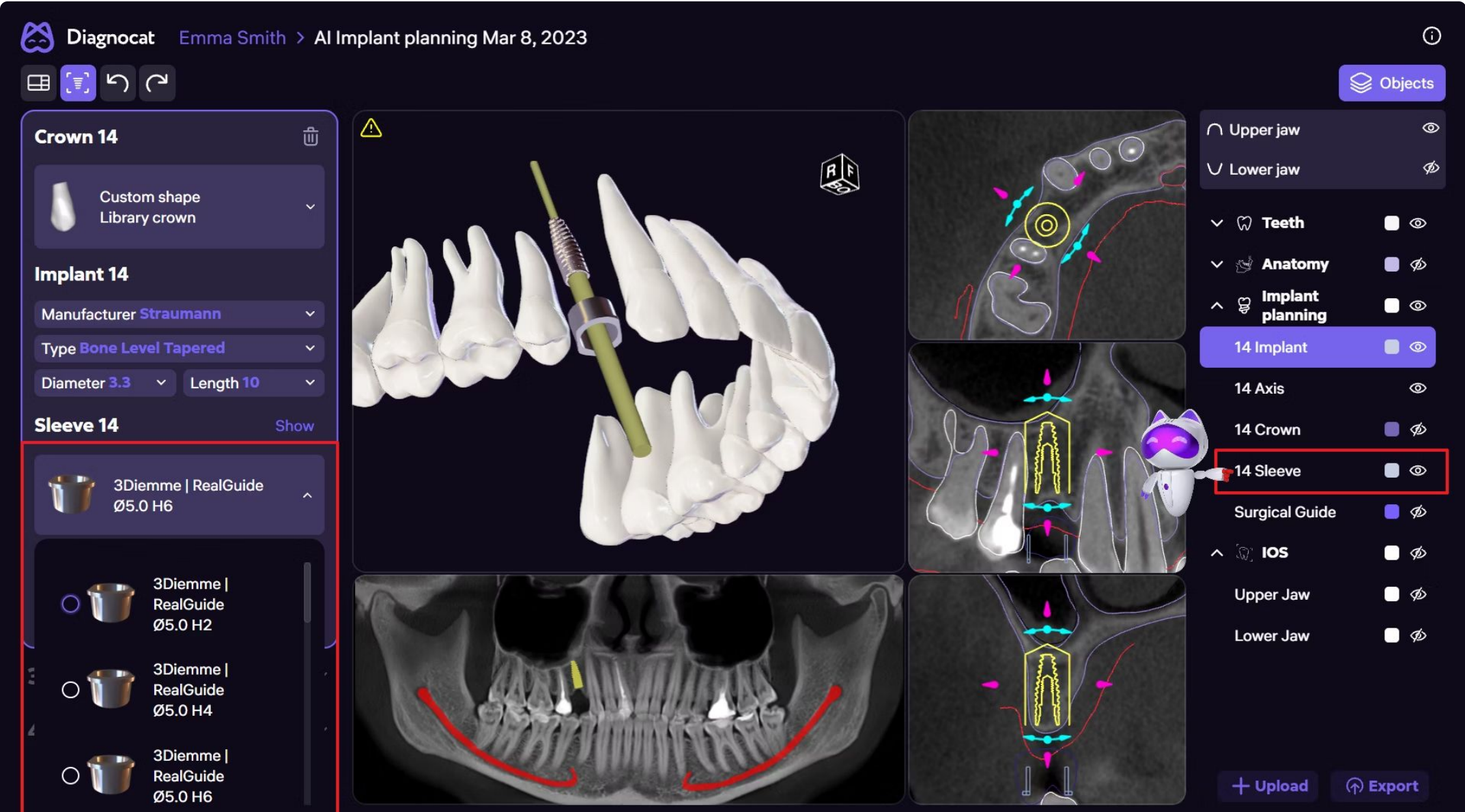


Diagnocat provides real-time safety feedback using a color-coded system:

- Green – Clinically acceptable placement
- Yellow – Caution; review proximity to critical structures
- Red – Warning; potential risk to: Nerves, Sinuses, Adjacent roots

These warnings help reduce risk and improve planning confidence.

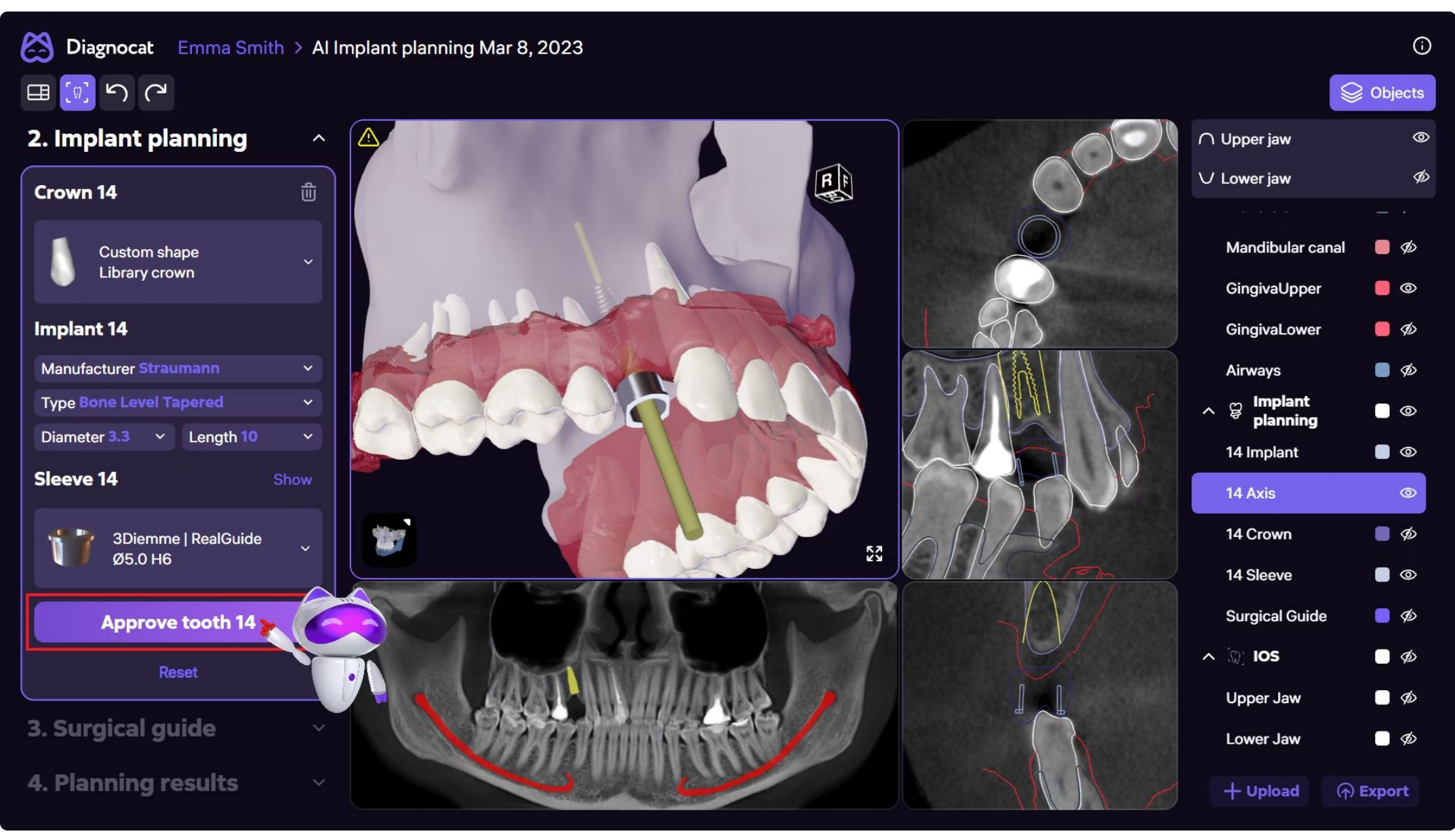
Selecting the Surgical Sleeve



- Choose a metal surgical sleeve from Diagnocat's built-in library
- Sleeves guide the surgical drill and improve procedural accuracy

Sleeve selection is integrated directly into the planning workflow.

Finalizing the Implant Plan



Once satisfied with:

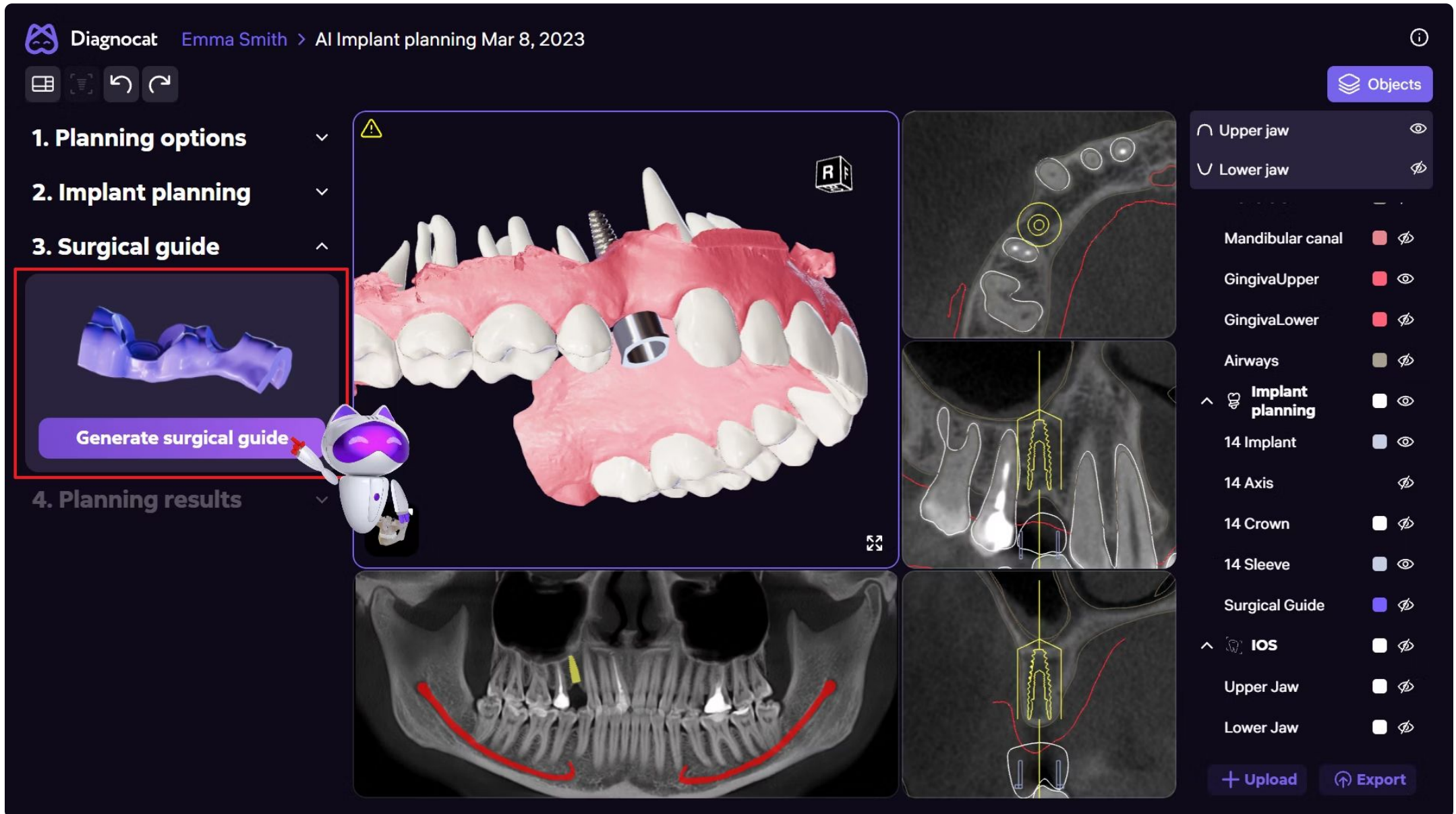
- Crown shape
- Implant position
- Sleeve selection

Click Approve to lock the plan.

This prevents accidental changes and prepares the case for guide generation.

3 STEP. Surgical guide

Generating the Surgical Guide



1 Click Generate Guide.

2 Diagnocat creates the surgical guide automatically (typically within 1–2 minutes).

4 STEP. Planning results

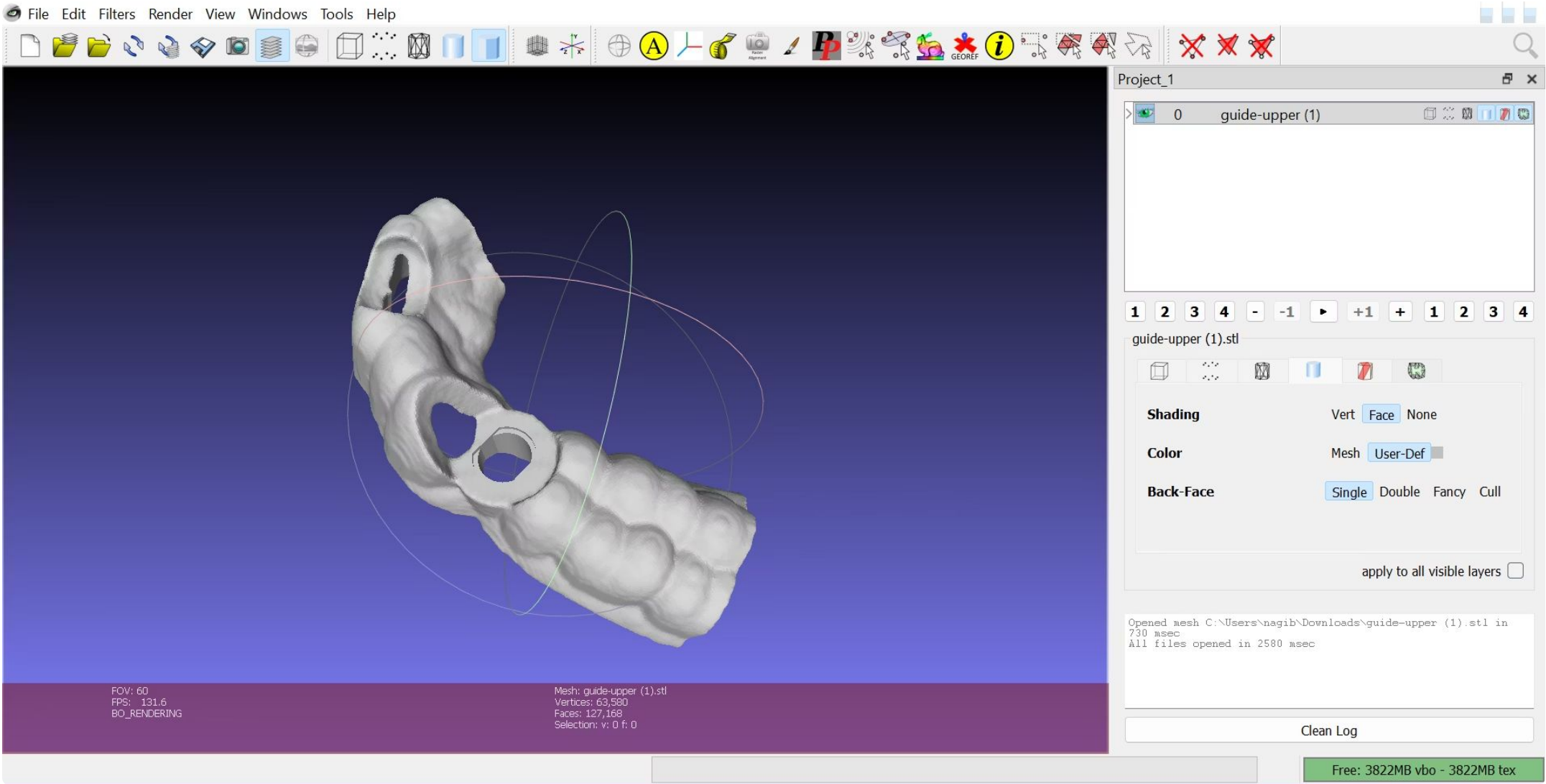


Review the guide shape visually before final approval.

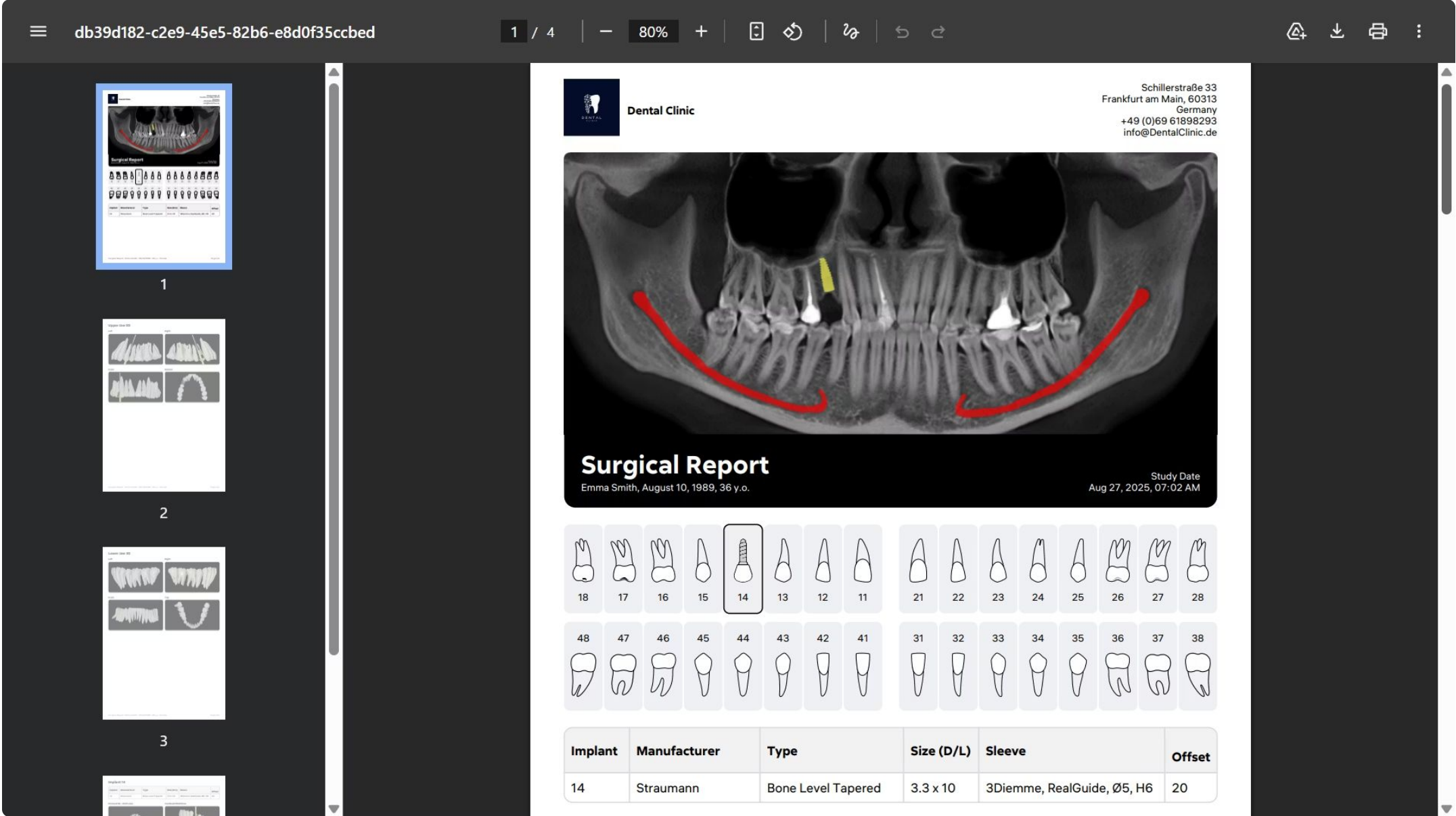
Exporting the Guide and Report

After approval, you can download:

- STL file for 3D printing the surgical guide



- PDF surgical report containing:



- Confirmed implant parameters - Virtual planning details

These outputs are designed to support guided implant surgery and documentation.