

TRINETRA GUIDE · CARDIAC SURGERY SUITE

COLLABORATION GUIDE

How clinicians on different networks can pair a room and present the same case.

VERSION

0.1.8

FOR

Presenters and reviewers

UPDATED

15 September 2026

HOW IT WORKS

Each participant opens the same Trinetra case locally. Collaboration synchronises camera, visibility, colour, opacity, transforms, saved views, pointers and notes over an encrypted WebRTC data channel. It does not upload or transfer the STL geometry.

Internet is required across different networks

Offline mode supports local viewing only. A cross-network collaboration room needs internet access for pairing and connectivity. Some hospital firewalls may require an approved relay service before connections can succeed.

HOST AND GUEST PAIRING

1

Open the same case

The presenter and every reviewer load the matching Trinetra project or review package.

2

Host creates an invite

Open Collaborate, enter a display name, choose Host, then Create invite. Copy the complete Invite code.

3

Guest creates the answer

Choose Join, paste the Invite code into the Invite box, then select Create answer. Copy the complete Answer code.

4

Host accepts the answer

Paste the guest's Answer code into the separate Answer box and choose Accept answer.

5

Confirm connection

Both people should show Connected and appear in the participant list.

6

Add more clinicians

The host creates a fresh invite for each additional guest and repeats the exchange.

Invite and Answer are different

Do not paste the Invite code back into the host's Answer box. The guest must generate a new Answer code after receiving the Invite.

DURING THE PRESENTATION

Control	What it does
Present my view	Broadcasts the presenter's live scene state.
Follow presenter	Keeps a reviewer aligned to the presented view.
Inspect independently	Temporarily lets a reviewer move without leaving the room.
Return to presenter	Restores the current shared view.
Send scene now	Pushes the current state immediately.
Pointer / Raise hand / Note	Supports discussion without changing the underlying case file.

IF IT DOES NOT CONNECT

1. Check that the complete code was copied and that Invite and Answer were placed in the correct boxes.
2. Create a fresh invite and answer; pairing codes are session-specific.
3. Confirm both devices have internet access and accurate date and time.
4. Try a different network. Guest Wi-Fi and institutional firewalls may block direct WebRTC traffic.
5. If restrictive networks are a regular requirement, deploy an approved TURN relay with appropriate governance.