



Quick positioning guide for ENVISION PANORAMIC & CEPHALOMETRIC

BEFORE THE PATIENT ENTRY



Prepare patient:

- remove **all metal objects** from the region of patient head and neck (glasses, necklace, earrings, hair pins, removable prosthetics, piercings, etc.)
- fasten long hair up
- remove clothes having part covering the neck (e.g. hoodie, shirt with high collar)

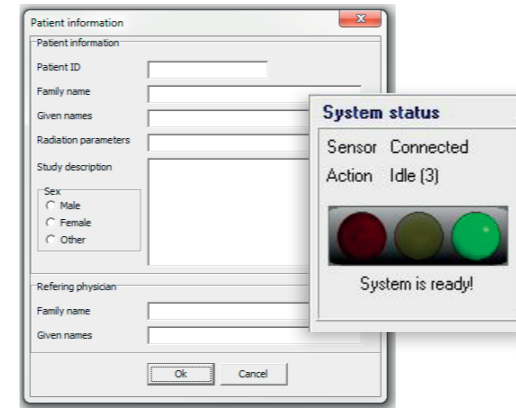


Open the Panoramic Dental Imaging software on the desktop.

Enter patient information if you would like the patient's name/date on the x-ray. You may click cancel if no label is wanted. Ensure the panoramic software shows a GREEN light in the top left hand corner, with status "Connected".

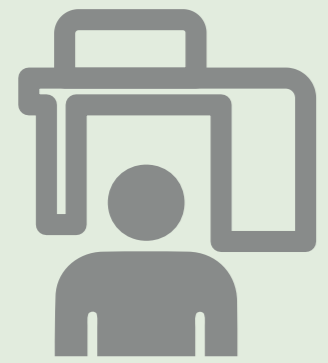
If status is RED/NOT CONNECTED ensure machine is powered on and physically connected to the computer. Contact technical support if issue persists.

Select appropriate Program and Size of the patient or adjust exposure parameters manually (kV and mA) on control panel. Make sure the unit is in the ENTRY position.



If local regulations require, protect the patient with a **lead apron** (check that the lead apron or fastener is not covering the neck).

PATIENT ENTRY



Ask patient to **approach** the unit (do not position yet). **Adjust the height** of the unit to have the **bite block** approximately **between nose tip and upper lip**.

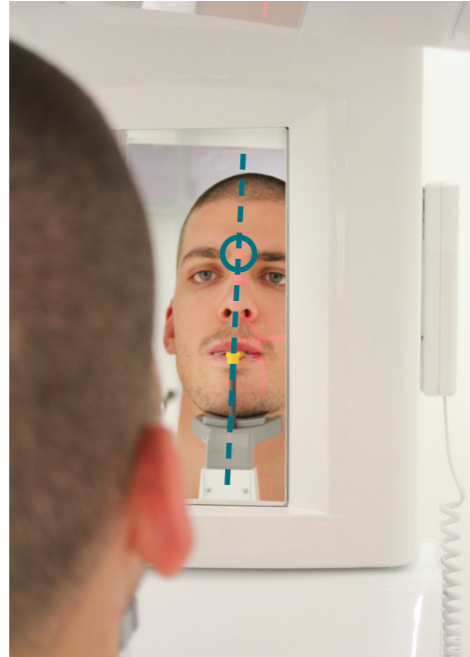


Ask the **patient to:**

- approach the unit**
- hold handles**
- make **one step forward** (ideally the patient should lean slightly backwards)
- bite on the bite block in the central groove**

NOTE: If you think there is potential that the unit will touch the patient's shoulders during acquisition, ask patient to cross over their arms on the handle.

POSITIONING AIMING BEAMS



STEP #1:

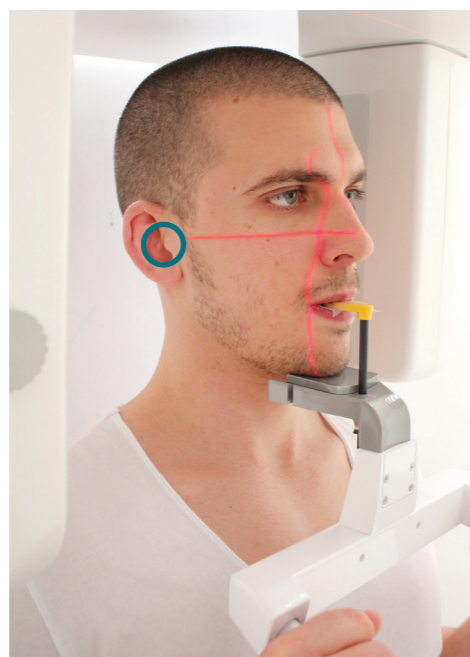
Stand behind the patient and check in the mirror if the **vertical mid-sagittal beam** is **aligned with the patient's mid-sagittal plane** (dashed line in picture). Adjust the position by moving patient's head, if needed.



STEP #2:

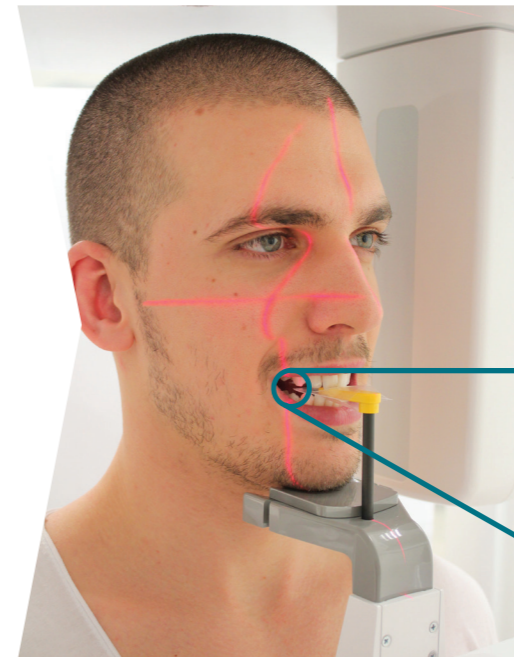
Looking at the patient from the right side, find the **lowest point of orbit** (if necessary, touch the patient under the eye to feel the edge of the bone under the eye), check the alignment of the Frankfurt plane laser.

Adjust the horizontal Frankfurt plane navigation beam **with the knob** on the side of unit.



STEP #3:

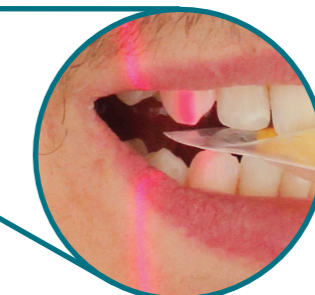
Gently move the patient's head, so that the **horizontal Frankfurt navigation beam** is aligned with the ear canal. When patient starts to stand on his toes, adjust the height of the unit and try again.



STEP #4:

(only if Canine beam is present)

Ask the patient to **smile** while biting on the bite block and adjust this **beam** to align **with the middle of Canine tooth**.



TAKING IMAGE



Ask the **patient to:**

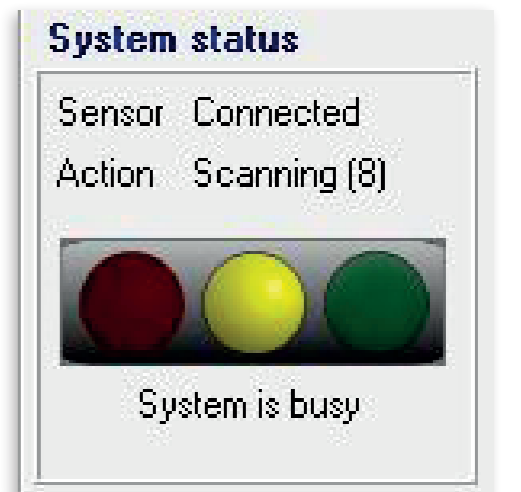
- swallow** and leave the tongue in the upper palette and relax
- watch the nose tip** in the mirror
- breath normally through their nose and relax**



Press and release the Exposure release button on the Hand switch. Unit will move to the **START position**. Move behind the radiation shielded area (from where you should be able to see the patient).

When the **computer is ready** (GREEN indication in software), **patient ready, environment ready and you are ready for exposure, press and hold the Exposure button on the hand switch.**

Sound indicates the radiation is in progress. In the software you see **YELLOW indication.**



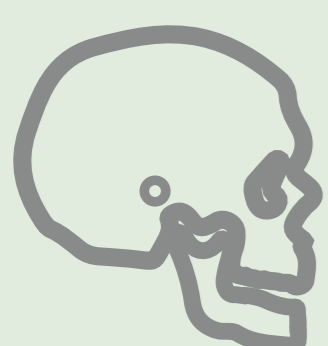
Only after the sound stops and unit stops moving (YELLOW indication in software), **release the Exposure release button on the Hand switch.**



The **image** appears on the monitor. **Press and release the Exposure release button on the Hand switch** and unit will move to the **EXIT position**. Ask the patient to leave the unit.



CEPHALOMETRIC POSITIONING



Lateral



Posteroanterior



Carpus



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