

DSD 1st APPOINTMENT FACIAL SCANNER PROTOCOL



he new DSD 1st appointment protocol



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Agregar aqui video de angel y protocolo de fotos

Scans required

1. Facial scan in maximum smile:

- The patient should smile exaggeratedly and constantly.
 - It is recommended that the patient bite an ejector in the posterior sectors for stability.
- Both ears must be visible



Scans required

2. Facial scan at rest:

- The patient should keep the mouth slightly open. (Lips not touching)
- Both ears must be visible



Photo/Video DSD Protocol



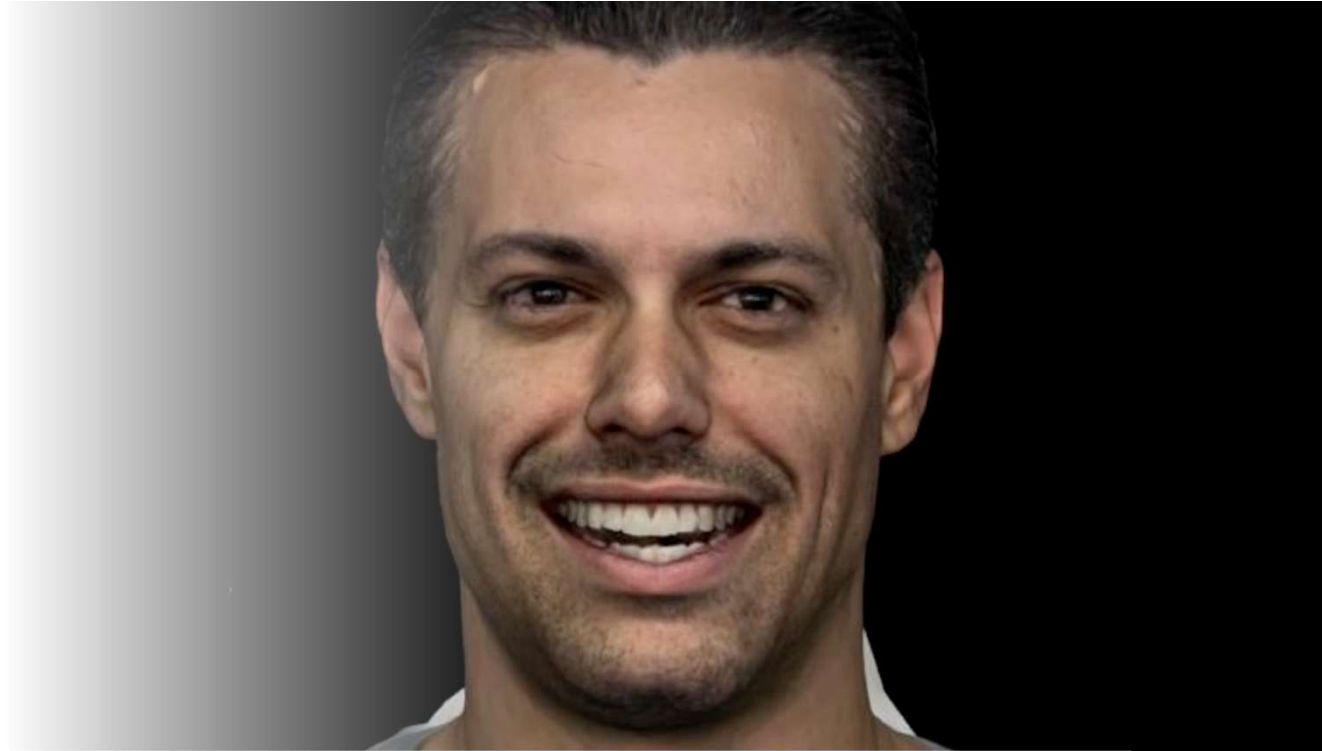
5 Photos

1 Video

From the 2 facial scans we can get the DSD photo protocol and much more



Files overlapping and design process



3. Scans required

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3. Scans required

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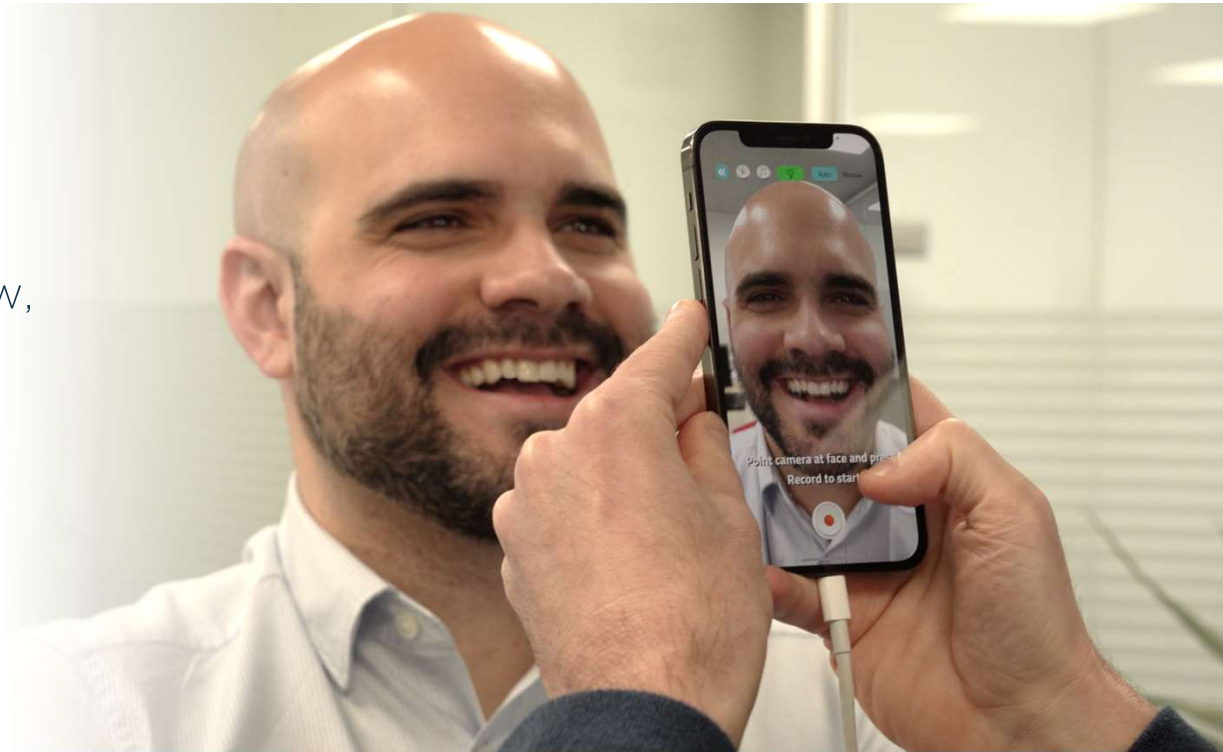
1. Materials

- Iphone 12 and above
- Qlone Dental Pro app
- Adequate light source
- Ejector-type teether
- Uniform background
- Good internet connection



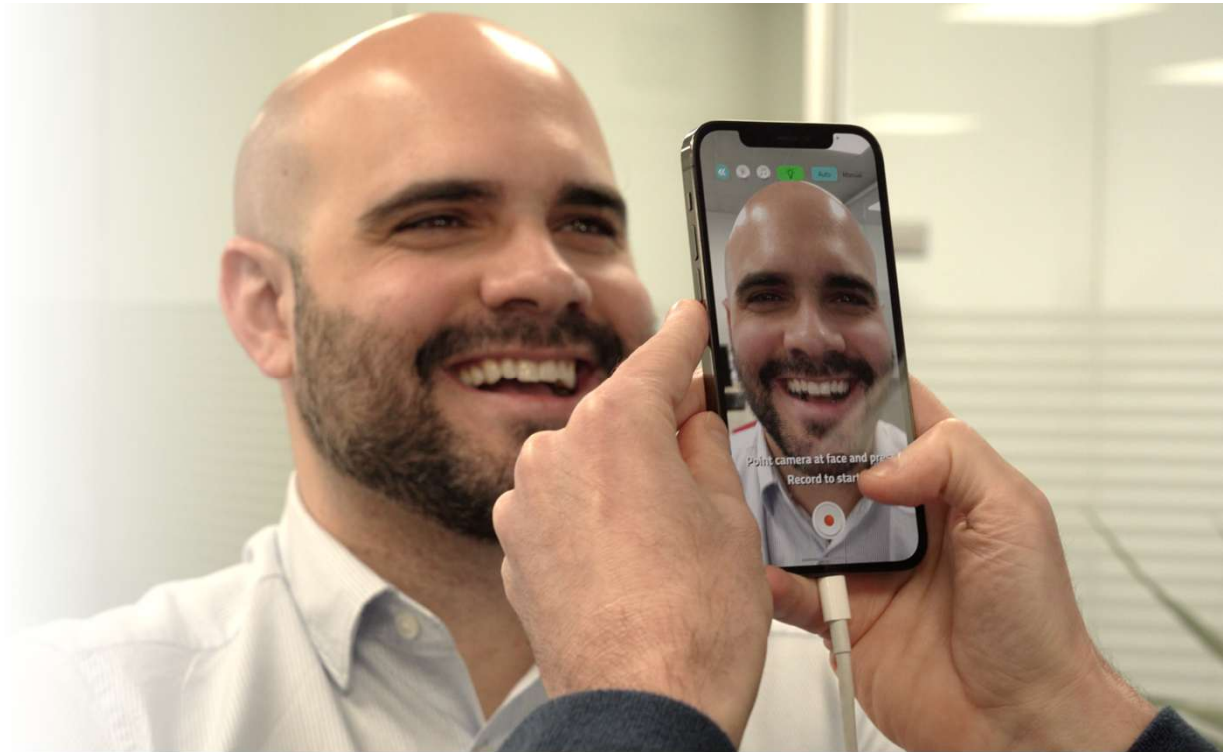
The ideal lighting

- The best lighting for scanning is **natural light**, as it provides uniform illumination. Ideally, position the patient near a window, with the light source behind the operator and facing the patient.
- If using **artificial light**, it should be evenly distributed and positioned in front of the patient, avoiding shadows that could compromise scan quality.



The ideal background

- Additionally, the background should be uniform and free of distractions, as the scanner may interpret elements in the background as part of the face. A plain white background is ideal, ensuring the patient is well-separated from it.



2. Facial Scan Capture

1. Open the **Qlone Dental app** and make sure the light bulb on the screen is **green**.
 - If it is not green, adjust the position of the phone or change the lighting.
 - If you tap the light bulb, the light level will be displayed (it should be above 150).



2. Facial Scan Capture

2. Patient and operator position

- The operator stands in front of the patient, approximately 30 cm away.
- The patient's face should occupy the entire screen of the device.



2. Facial Scan Capture

3. Scanning Sequence

1. Main Movement

Start the capture with the record button.

2. Lateral movement:

- From the center to the left until you are in a perpendicular position.
- Return to the center.
- Go to the right until you are in a perpendicular position.

Always keeping the same distance



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2. Facial Scan Capture

3. Vertical movement (half moon):

- From the right perpendicular position, start the half moon movement from right to left, with the scanner at a lower angle, capturing the jaw, jowls and neck.
- Complete the reverse half moon from left to right, now from a higher angle, capturing the forehead and top of the head.



2. Facial Scan Capture

4. Capture dental details (if frames are available):

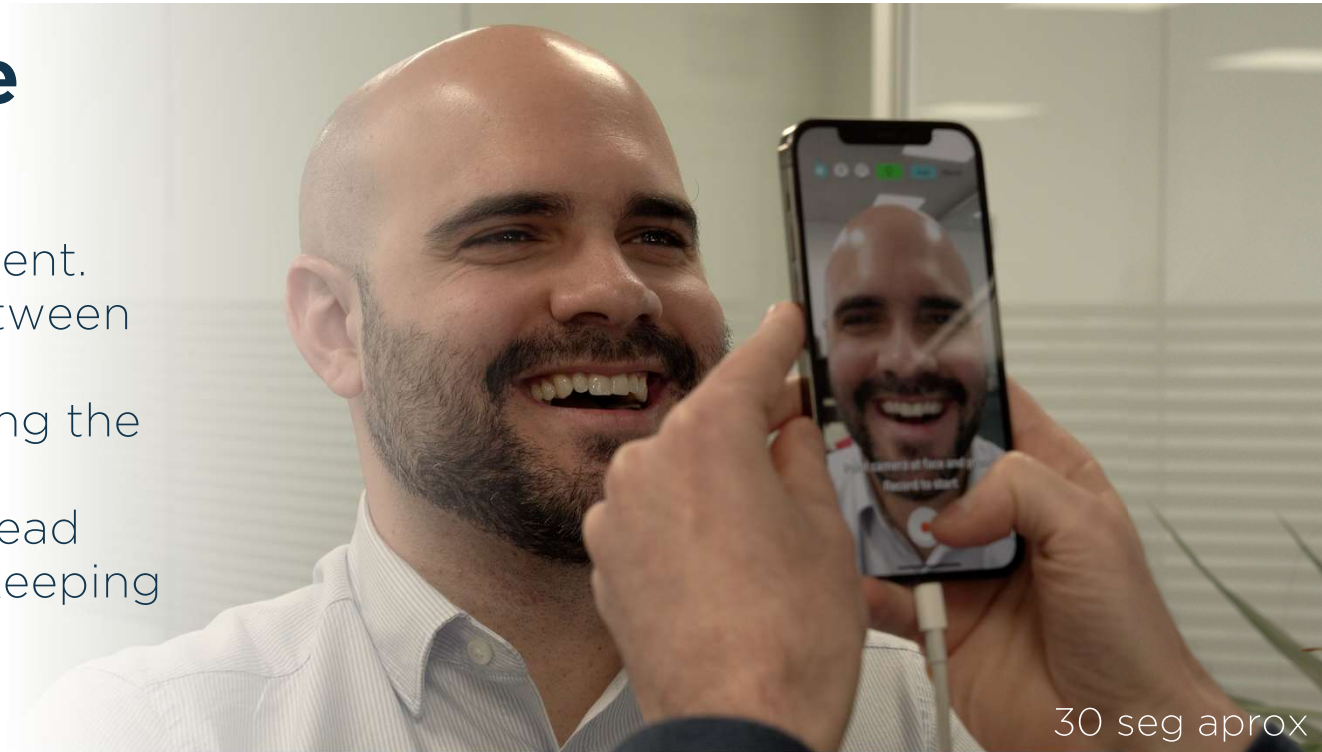
- Bring the scanner closer to the mouth (10 cm distance).
- Capture images manually in the following sequence:
 - Left perpendicular → diagonal → center → diagonal → right perpendicular.



2. Facial Scan Capture

5. Tips for Optimal Scanning

- ✓ Maintain fluid and constant movement.
- ✓ Always keep the same distance between the device and the patient.
- ✓ Avoid sudden changes in light during the capture.
- ✓ Ask the patient not to move their head while the scan is being performed keeping their gaze on a fixed point
- ✓ Make sure both ears are visible



The Result



The Result

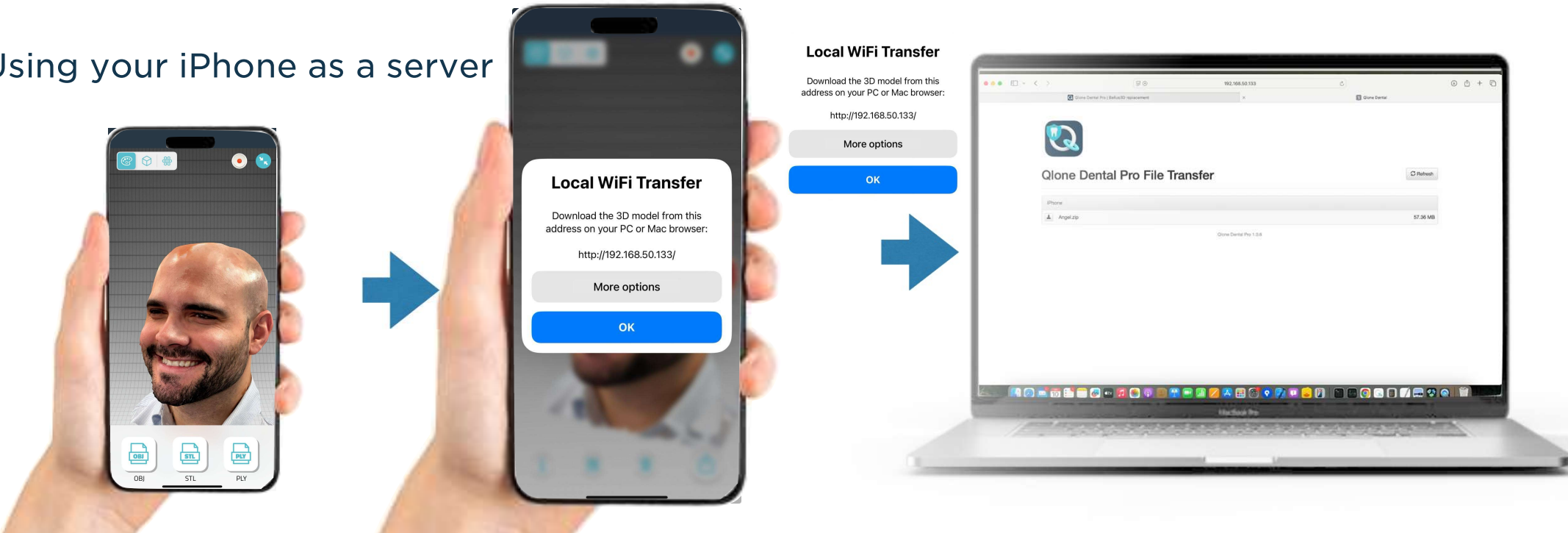


3. Export scan

1. Process the image in the application.
2. Export in PLY for compatibility with the DSD Planning Center.

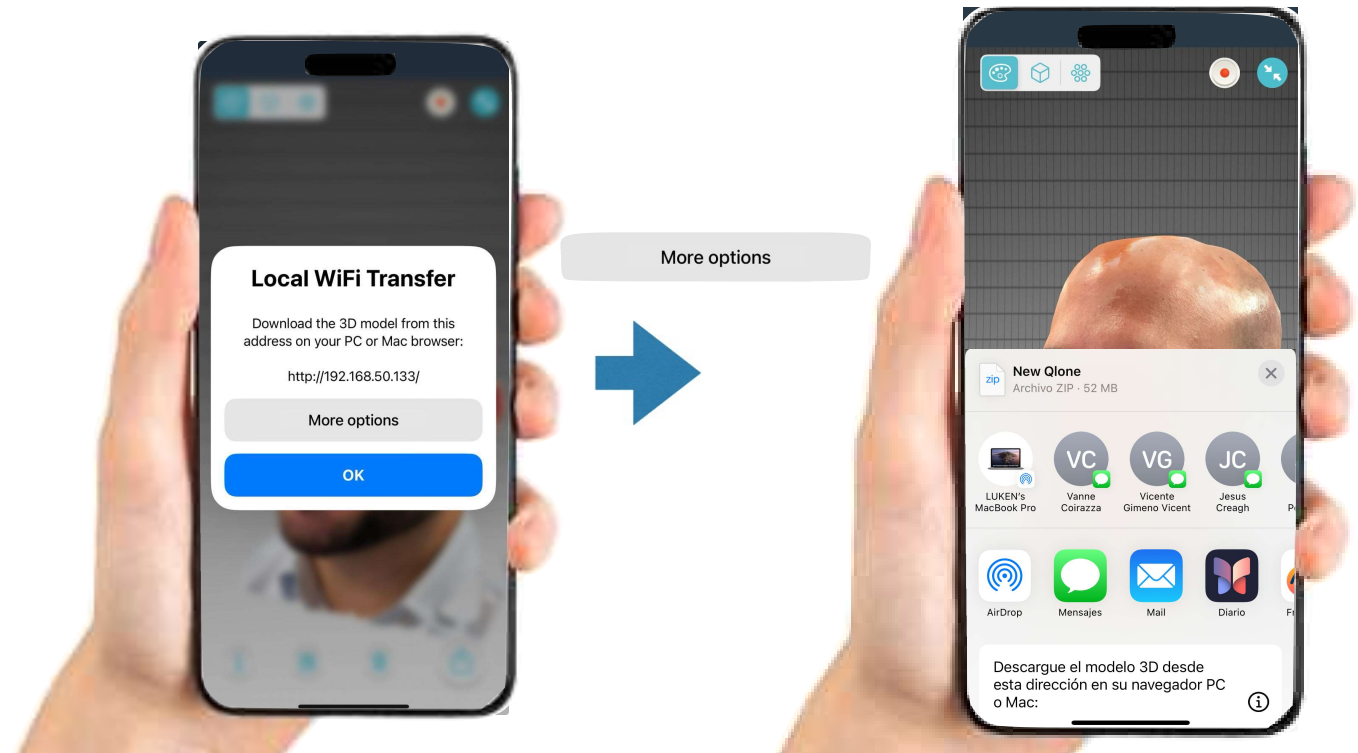


1. Using your iPhone as a server



1. Traditional methods

- Airdrop
- Email
- Message



Files overlapping and design process



Reviewing your cases



DSD 1st APPOINTMENT FACIAL SCANNER PROTOCOL



1. Materials

- Iphone 12 en adelante
- Qlone Dental Pro app
- Fuente de luz adecuada
- Mordedor tipo eyector
- Fondo uniforme
- Buena conexión a internet



2. Captura de Escaneo Facial

- 1. Abrir la aplicación y asegurarse de que la bombilla en la pantalla esté en color verde.
- • Si no está en verde, ajustar la posición del teléfono o cambiar la iluminación.
- • Si se toca la bombilla, se mostrará el nivel de luz (debe ser superior a 150).
- • Evitar contraluces y preferir luz natural cerca de una ventana.



2. Captura de Escaneo Facial

- 2. Ubicación del paciente y del operador
- • El operador se coloca frente al paciente, con una distancia aproximada de 30 cm.
- • La cara del paciente debe ocupar toda la pantalla del dispositivo.



2. Captura de Escaneo Facial

3. Secuencia del Escaneo

1. Movimiento Principal

1. Iniciar la captura con el botón de grabar.

2. Movimiento lateral:

- Desde el centro hacia la izquierda hasta quedar en posición perpendicular.
- Regresar al centro.
- Ir hacia la derecha hasta estar en posición perpendicular.



2. Captura de Escaneo Facial

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Manteniendo siempre la misma distancia



2. Captura de Escaneo Facial

3. Movimiento vertical (media luna):

- Desde la posición perpendicular derecha, iniciar el movimiento en media luna de derecha a izquierda, con el escáner en un ángulo inferior, capturando la mandíbula, papada y cuello.
- Completar la media luna inversa de izquierda a derecha, ahora desde un ángulo superior, capturando la frente y parte superior de la cabeza.



2. Captura de Escaneo Facial

4. Captura de detalles dentales (si quedan fotogramas disponibles):

- Acercar el escáner a la boca (10 cm de distancia).
- Capturar imágenes manualmente en la siguiente secuencia:
 - Izquierda perpendicular → diagonal → centro → diagonal → derecha perpendicular.



4. Parámetros Específicos para la Primera Consulta

Escaneos requeridos

Escaneo facial en máxima sonrisa:

- Paciente debe sonreír de forma exagerada y constante.
- Se recomienda que el paciente muerda un eyector en los sectores posteriores para estabilidad.



4. Parámetros Específicos para la Primera Consulta DSD

Escaneo facial en reposo:

- Paciente debe mantener la boca ligeramente entreabierta.
- Si hay exposición dentaria, se debe capturar con precisión.

5. Consejos para un Escaneo Óptimo

- ✓ Mantener un movimiento fluido y constante.
- ✓ Mantener siempre la misma distancia entre el dispositivo y el paciente.
- ✓ Evitar cambios bruscos de luz durante la captura.
- ✓ Pedir al paciente que no mueva la cabeza mientras se realiza el escaneo.



2. Captura de Escaneo Facial

1. Procesar la imagen en la aplicación.
2. Exportar en formatos OBJ y PLY para compatibilidad con el DSD Planning Center.



