

Restoration Case Scan Precautions

1

Scanning precautions

Create Order

Fill in patient's information → Choose teeth → Choose treatment type → Save the order → Start scanning

BLZ-INTRAORAL SCAN

Order Information

Patient

Mary

Date

2023-05-25 16:39

Order ID

0017

Doctor

魏坤

Notes

Back

View Model

UPPER

12 11 21 22 23 24 25 26 27 28

13 14 15 16 17 18

Clear All

LOWER

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

Clear Current

Crowns/Copings

Coping

Anatomic Crown

Offset Copin

Provisional Crown

Pontics

Reduce Pontic

Anatomic Pontic

Inlays/Veneers

Veneer

Inlay/Onlay

Offset Inlay

Residual Dentition

Antagonist

Implant based

No Implant

Material

Acrylic/PMMA

New

Save

Scan

BLZ Dental
Redefining scanning experience

BLZ Dental

Preparation before scanning

Extraoral

1. Check whether the scanner is connected well
2. Check if the mirror in scanning tip is clean and without any damage.
3. Prepare mouth mirror, saliva suction tube, gloves
4. Adjust the position of the dental chair and turn off the searchlight

Intraoral

1. Saliva cleaning: Use a three-purpose gun, saliva suction tube or cotton balls to dry
2. Blood cleaning: Use cotton balls with epinephrine to compress the bleeding or apply hemostatic cream
3. Gingival retraction: Make the shoulder of prep-tooth leak out and make the margin line clear.

Scanning requirements

Single tooth restoration

- **Scanning range:** half of the arch with tooth that need to do restoration
- **Occlusion:** scan the side of the bite with tooth that need to do restoration
- **Occlusion range:** 2-3 back molars area

Multiple tooth restoration

- **Scanning range:** full upper and lower arches
- **Occlusion:** scan both side of the bite
- **Occlusion range:** 2-3 back molars area

2

Data Judgement

4 aspects for data judgement



Margin line

- Clear margin line without saliva and blood.

Adjacent teeth

- Complete adjacent teeth data without blood, saliva and caries.



Occlusion

- Correct and stable occlusal relationship



Undercut

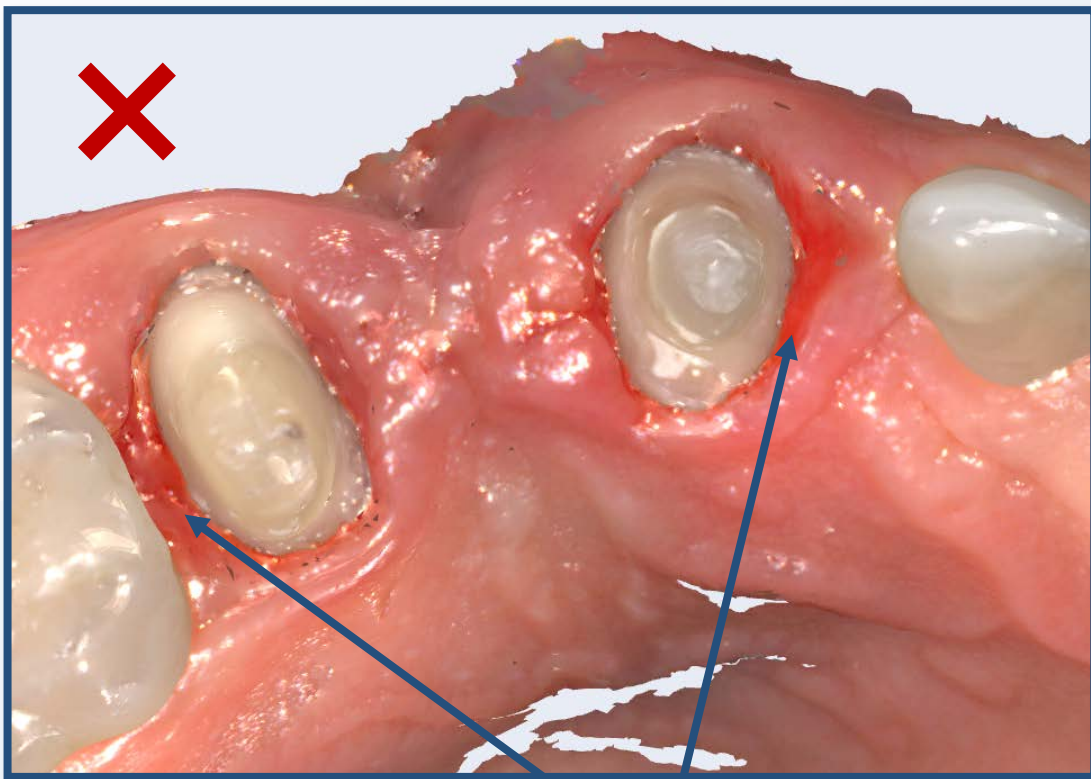
- Prep-tooth surface is smooth and without undercut.



3

Common questions & solutions

Margin Line

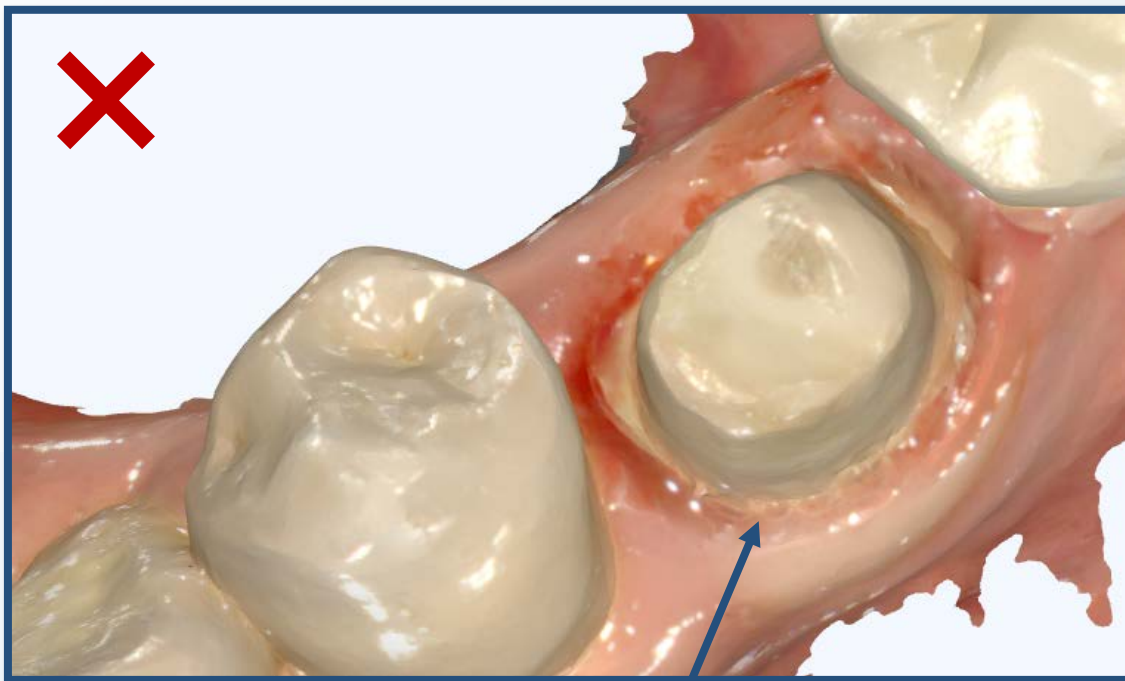


Wrong data: Gum damage, redness and swelling, bleeding along the margin lines



Correct data: No damage to the gums, no bleeding, and clear margin lines

Margin Line

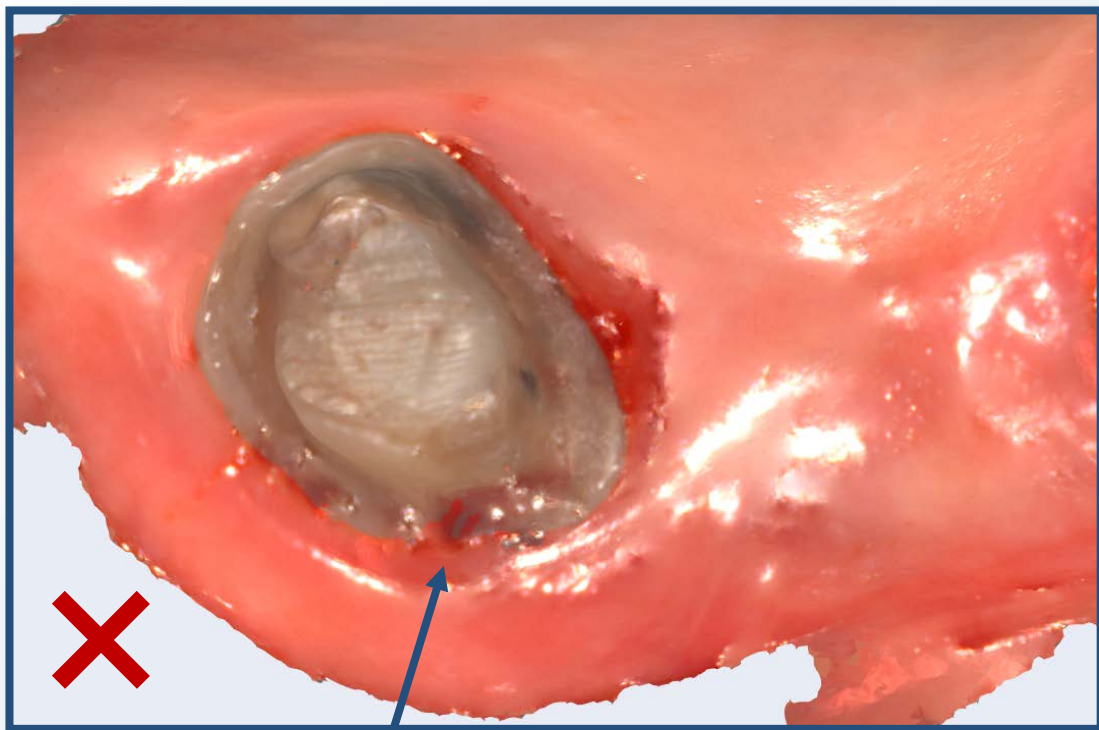


Wrong data: There are saliva bubbles, which affects the accuracy of the margin line.

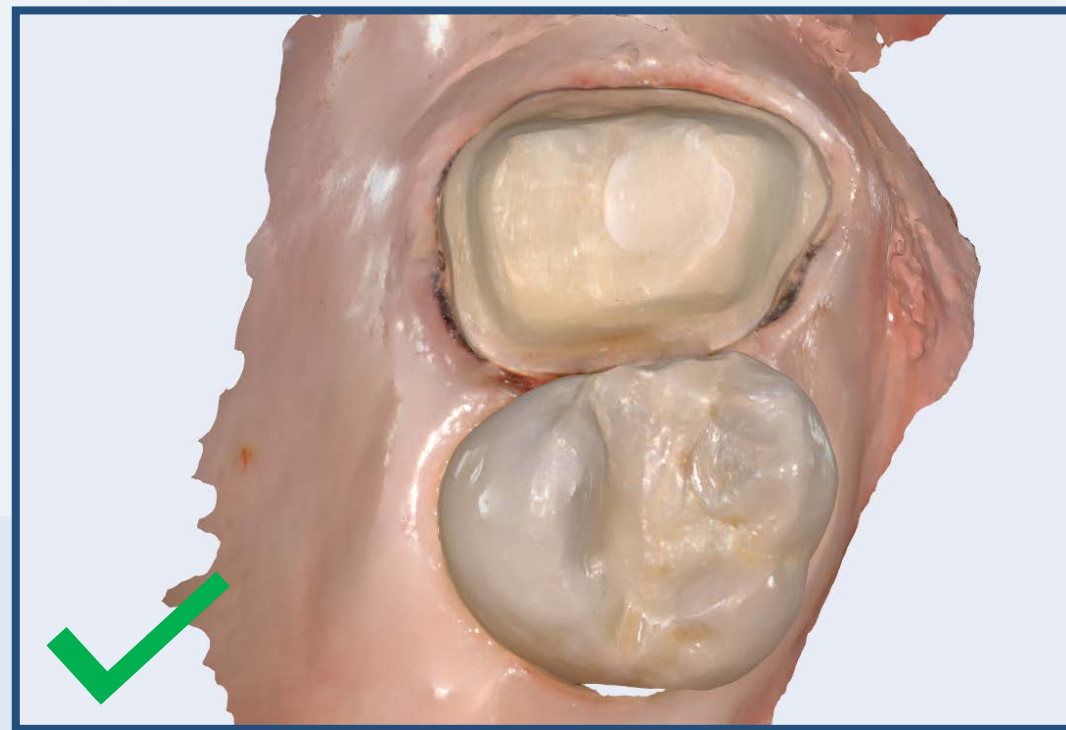


Correct data: No saliva bubbles, and margin line is clear

Margin Line

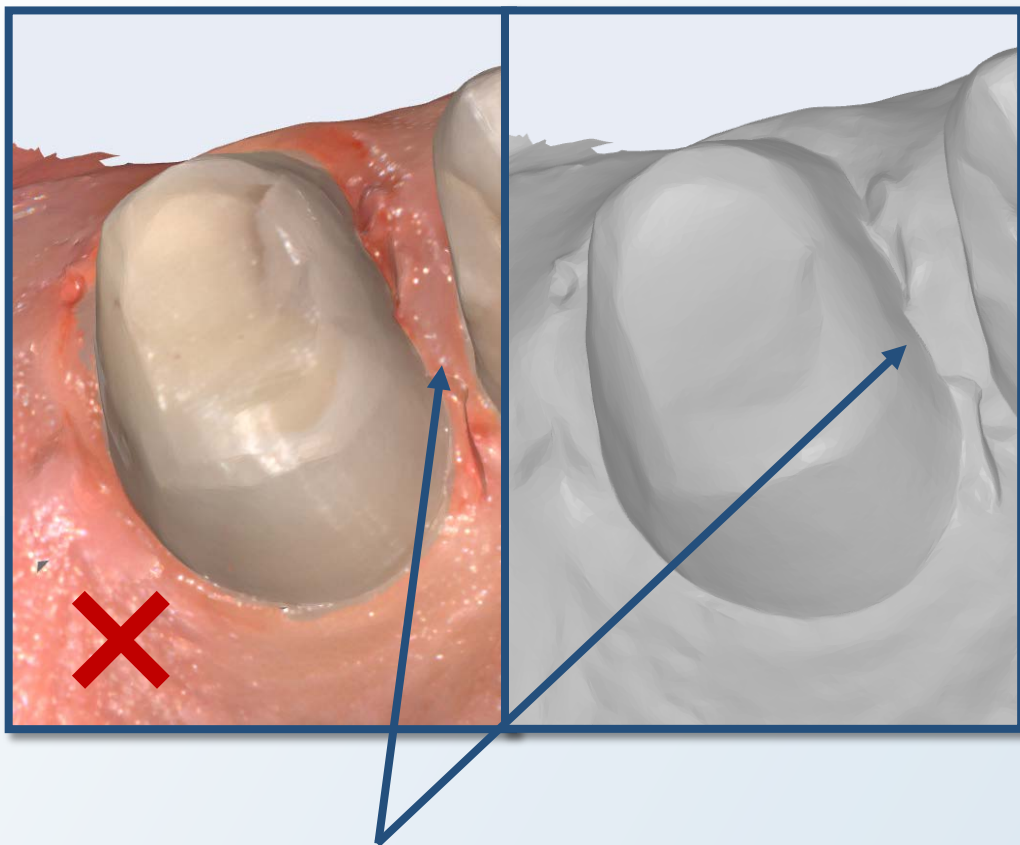


Wrong data: Margin line is covered by gingival

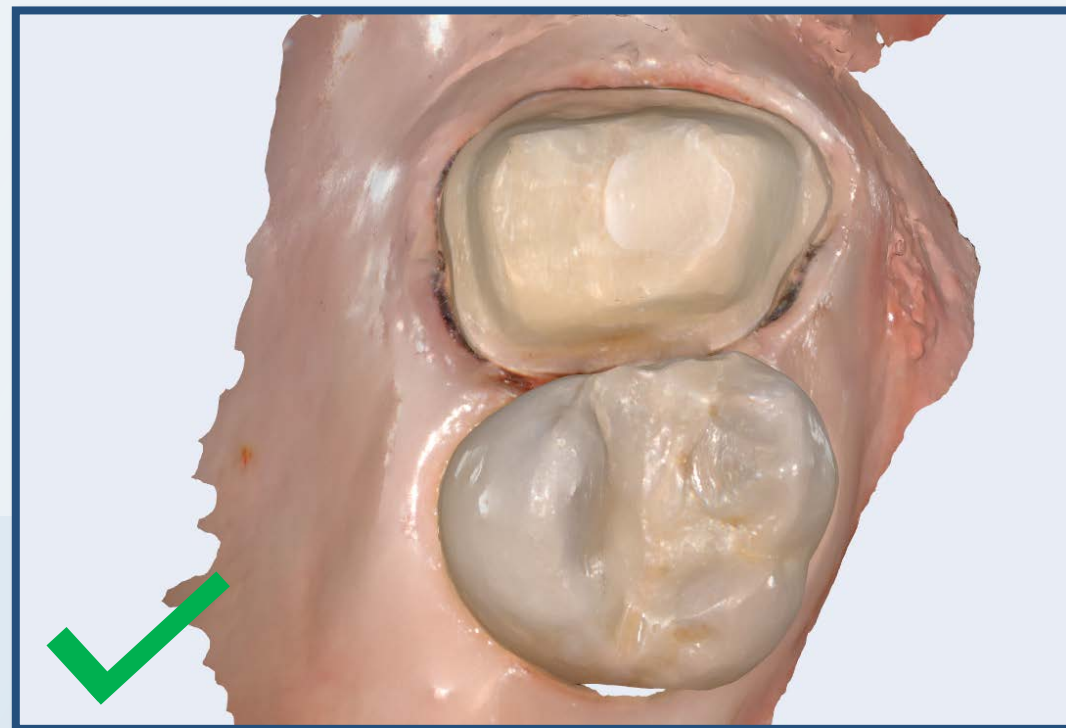


Correct data: The marginal line is complete and clear, which is not obscured by the gums.

Margin Line



Wrong data: Margin line is covered by gingival

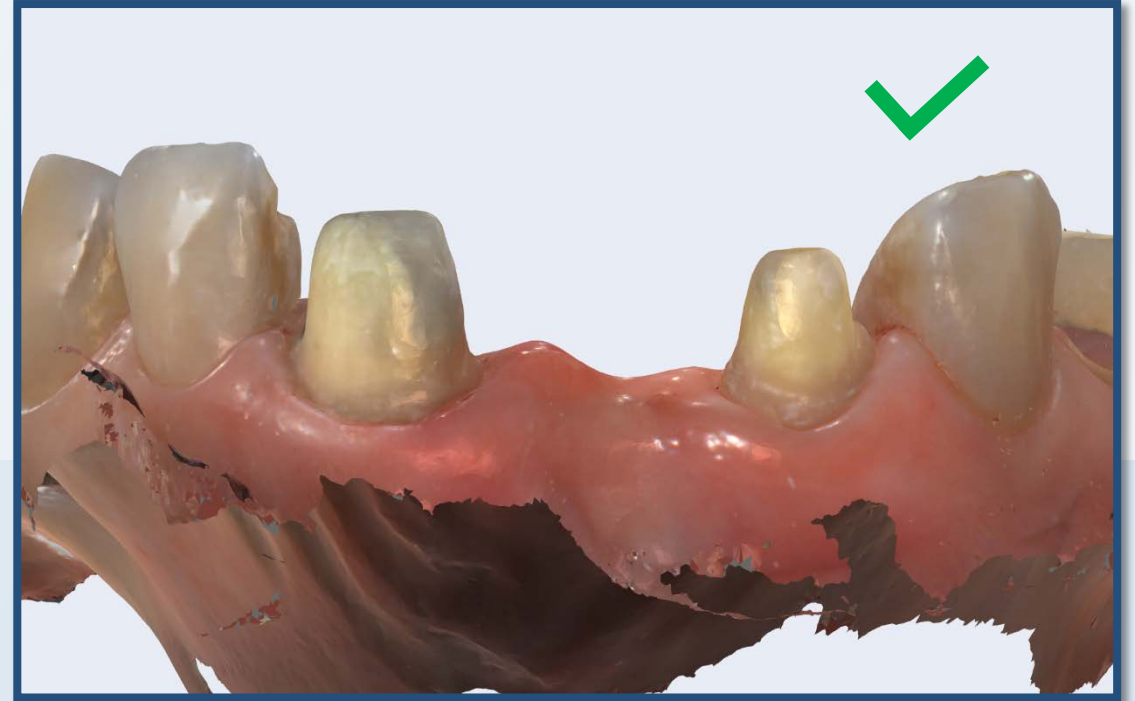


Correct data: The marginal line is complete and clear, which is not obscured by the gums.

Undercut

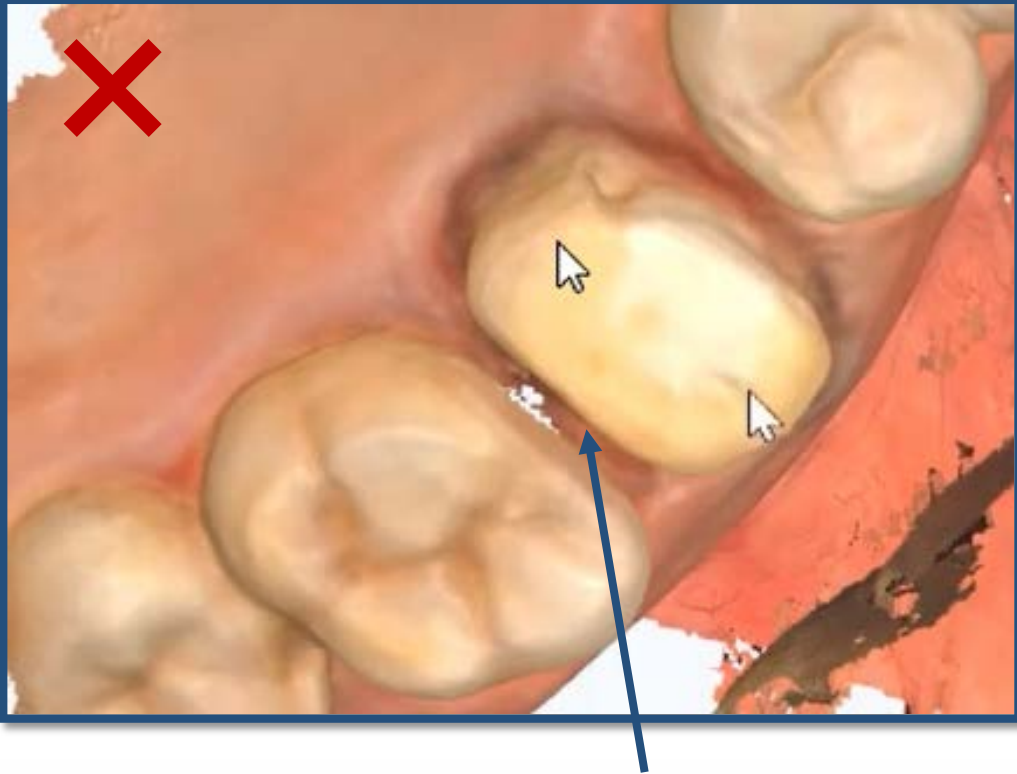


**Wrong data: There is undercut on prep-tooth,
which could affect crown design later**



Correct data: There is no undercut on prep-tooth.

Adjacent teeth



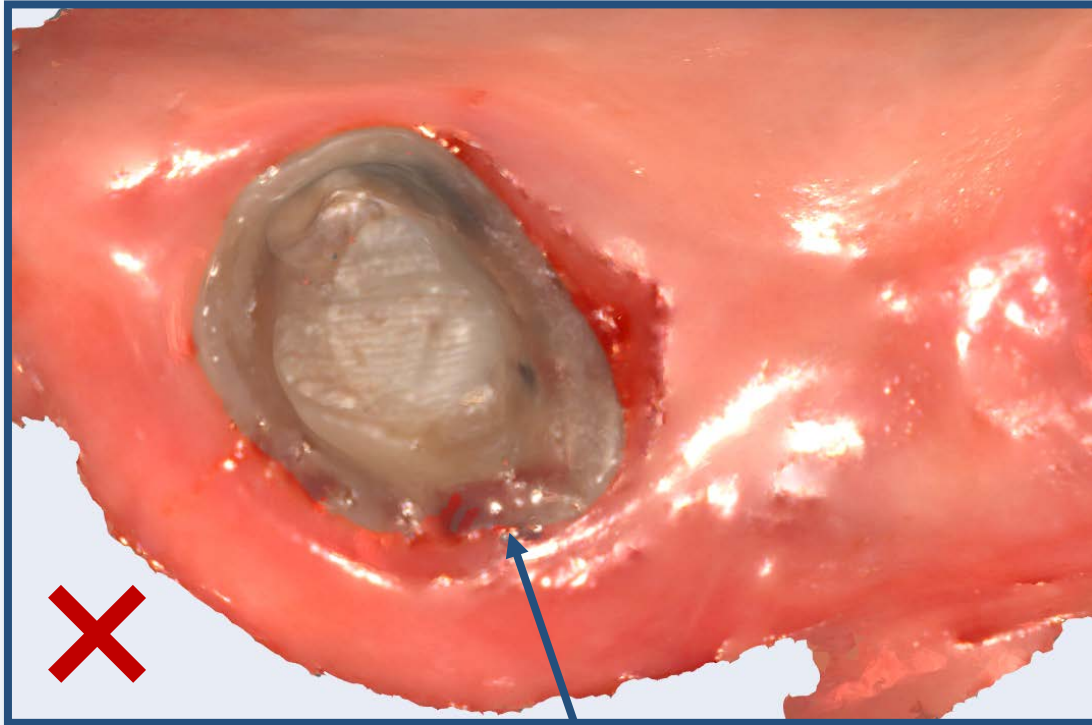
Wrong data: incomplete adjacent teeth data could affect crown design



Correct data: complete adjacent teeth data

Note: If the adjacent teeth are not completely scanned, but if the area not scanned is in the undercut under the teeth contact point, it will not affect the contact between the designed crown and the adjacent teeth. And the data can be used for crown design normally.

Prep tooth

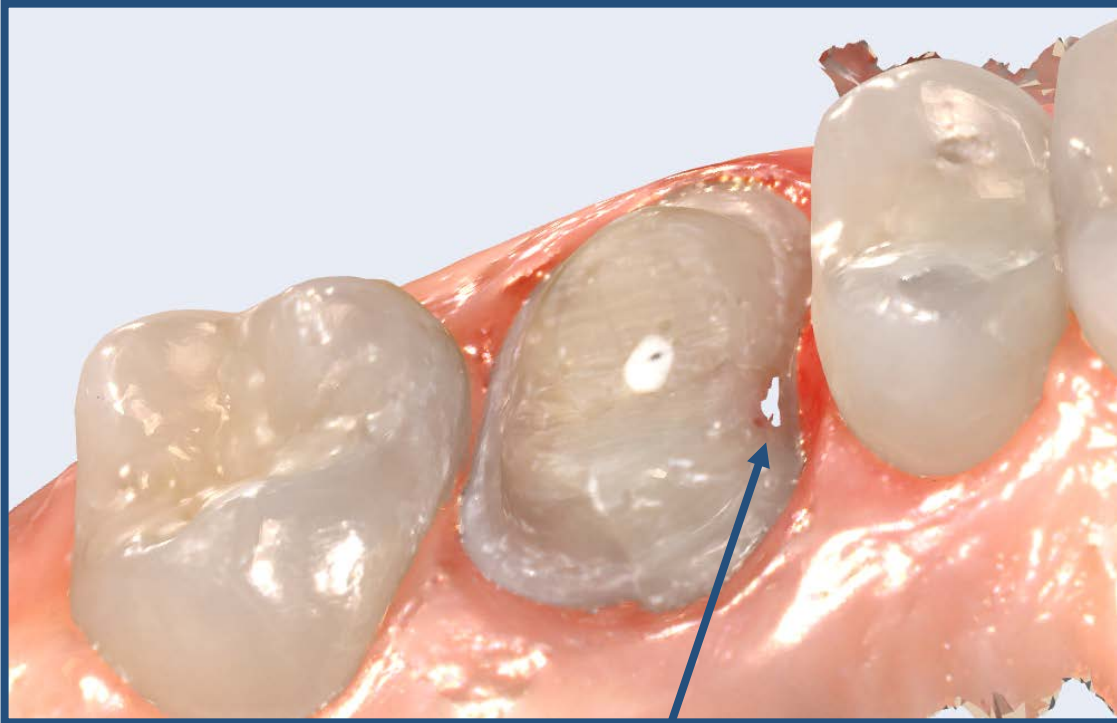


Wrong data: There are saliva and blood on prep-tooth, which affects the accuracy of scanned data.

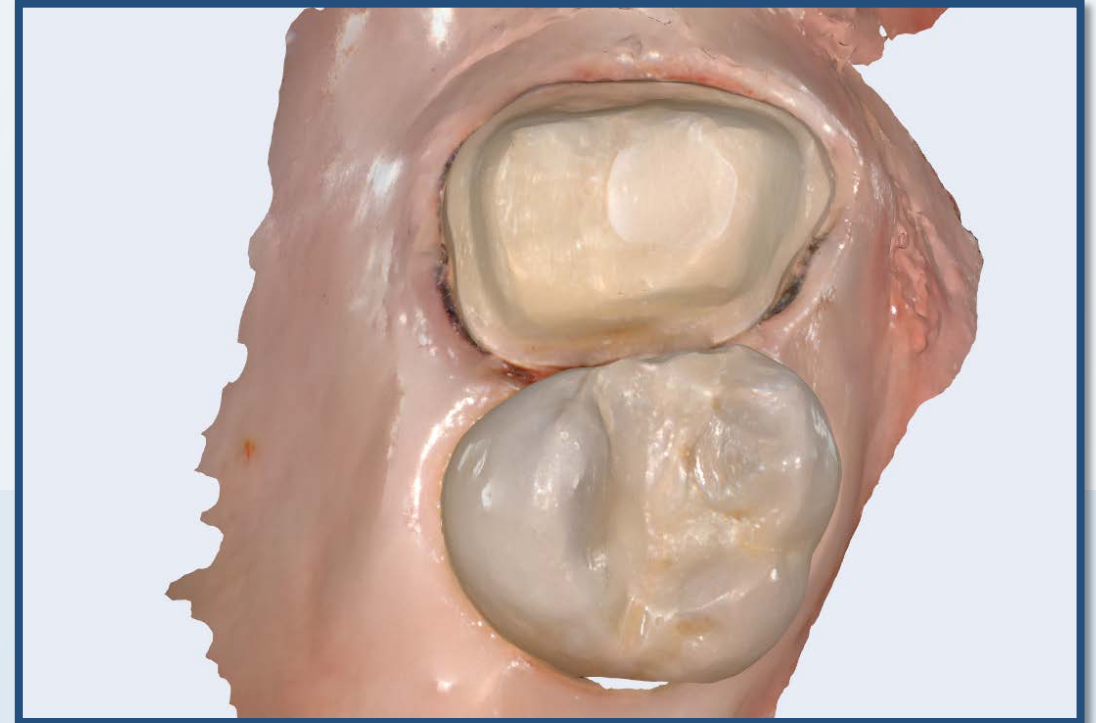


Correct data: Prep-tooth is dry without saliva or blood on the surface.

Prep tooth

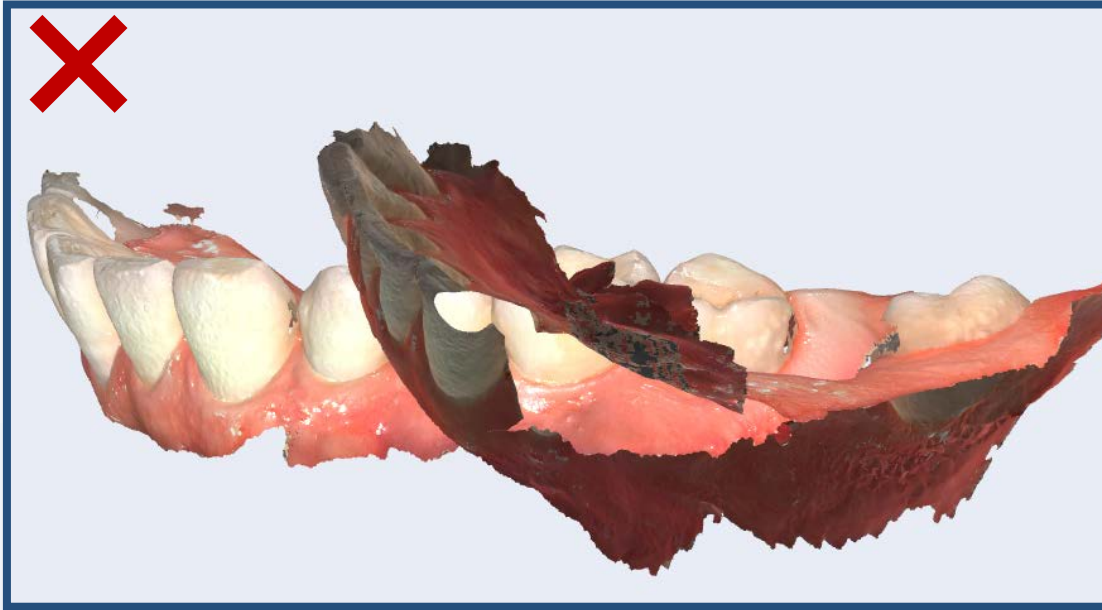


Wrong data: Prep-tooth is not scanned completely, scanned data is not accurate.



Correct data: prep-tooth is scanned completely.

Occlusion



Wrong data: occlusion scanned data is not enough causing wrong alignment of two arches.

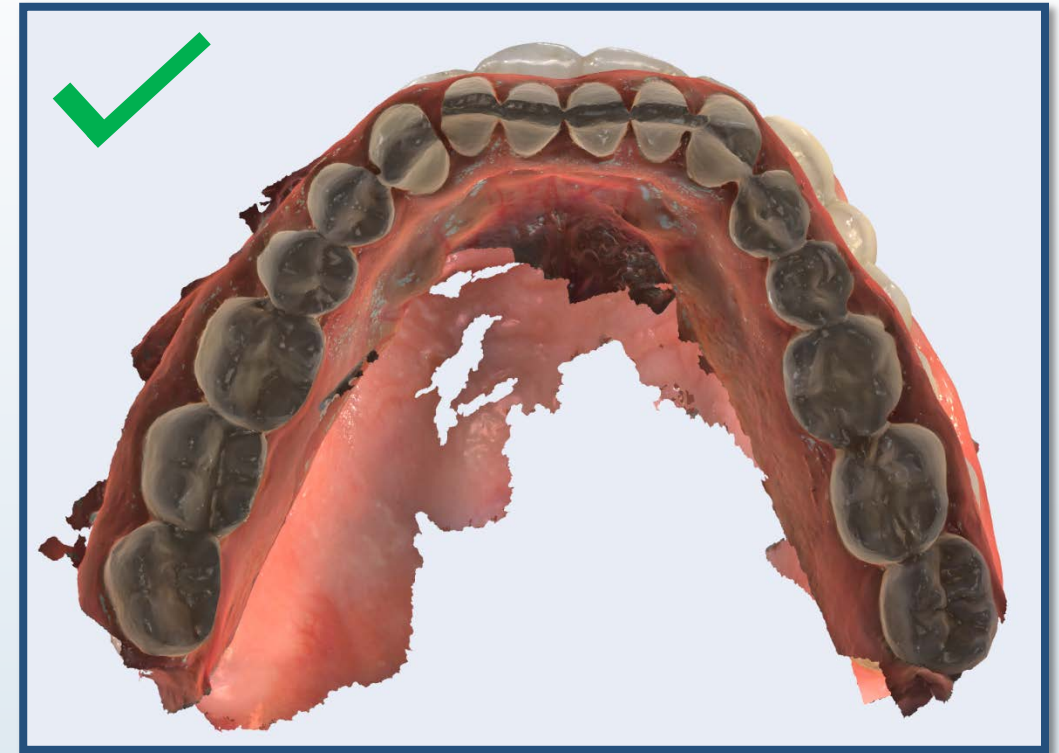


Correct data: occlusion scanned data is enough, and alignment is correct.

Occlusion



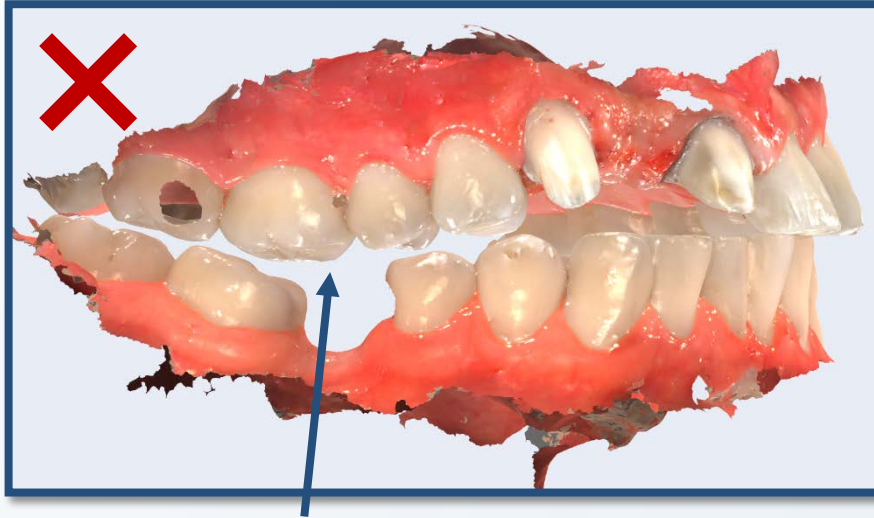
Wrong data: collision of upper and lower arches



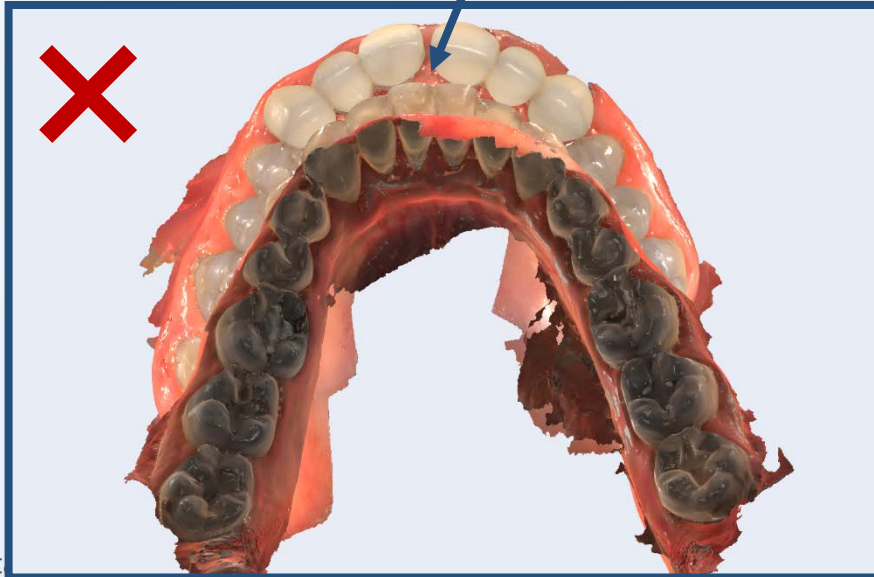
Correct data: correct occlusal relationship

Note: if the collision distance of upper and lower arches is less than 0.1mm, the occlusal data can be regarded as correct and can be used for later design.

Occlusion



Wrong data: gaps between upper and lower arches



Correct data: occlusal relationship is correct and can show the real situation of patient's occlusion.

Thanks



Scan and Follow BLZ Dental User Group!