

Image Transmission

Only X-rays of patients receiving Zimmer Biomet implants should be transferred upon completion of the ONE Planner Hip/ROSA Hip Imaging Protocol.

Transfer DICOM images with appropriate DICOM attributes to Zimmer Biomet. For additional information regarding DICOM transfer options, please see 2162.1-GLBL-en Personalized Solutions Image Transfer Overview.

Protocol Elements (Required)

DICOM Field Name	DICOM Tag	Content
Referring Physician Name	0008, 0090	Orthopedic Surgeon Name (complete last name, complete first name)
Patient Name	0010, 0010	Last name, First name, Middle name
Patient Date of Birth	0010, 0030	YYYY/MM/DD
Acquisition Date	0008, 0022	YYYY/MM/DD
Protocol Date	0018, 1030	For Left Hip, specify: ZBHIPL For Right Hip, specify: ZBHIPR (Either Protocol Name or Study Description)
Study Description	0008, 1030	For Left Hip, specify: ZBHIPL For Right Hip, specify: ZBHIPR (Either Protocol Name or Study Description)
Imager Pixel Spacing	0018, 1164	X-ray pixel spacing must be lower than 0.5 mm
Institution Name	0008, 0080	
Institution Address	0008, 0081	

Protocol Elements (Recommended)

DICOM Field Name	DICOM Tag	Content
Photometric Interpretation	0028, 0004	MONOCHROME2, where the background is black and the bone is white
Laterality	0020, 0060	
Gender	0010, 0040	M or F
Rescale Slope	0028, 1053	
Rescale Intercept	0028, 1052	
Samples per Pixel	0028, 0002	
Distance Source to Detector	0018, 1110	
Image Type	0008, 0008	To determine if X-ray was derived or not
Window Center	0028, 1050	
Window Width	0028, 1051	

ONE Planner Hip/ROSA Hip Imaging Protocol

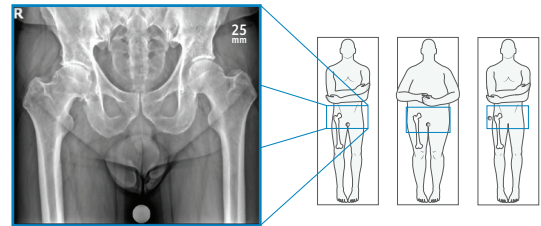
See additional guidelines for patient positioning and spherical marker placement in the ONE Planner Hip/ROSA Hip Training Guide available from the Personalized Solutions Team.

Spherical Marker

- ONE Planner Hip/ROSA Hip protocol is best performed with a spherical marker
- Use of a spherical marker aids in the templating process
- Please see 3551.1-GLBL-en Spherical Marker Suggestions for additional guidelines and considerations

Preferred View: Bilateral AP Hip X-ray (Low AP Pelvis)

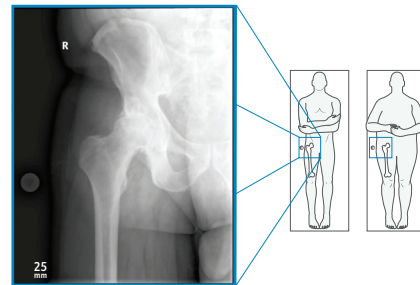
- Can be performed supine or standing
- Position patient for low pelvis
- Include entire spherical marker
- Required annotations: laterality and spherical marker size



Alternate View: Unilateral AP Hip X-ray

Only perform if unable to do Bilateral AP Hip X-ray due to patient body habitus

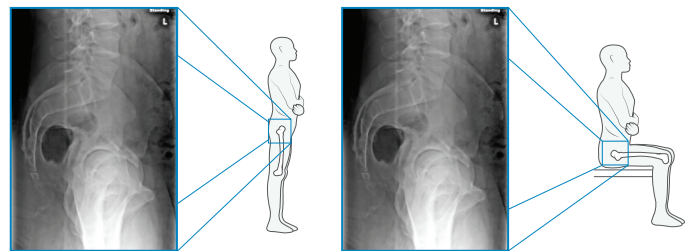
- Can be performed supine or standing
- Position patient for AP hip
- Include entire spherical marker
- Required annotations: laterality and spherical marker size



Lateral Standing Hip X-ray & Lateral Sitting Hip X-ray

Spherical marker is not to be used for lateral images

- Left lateral X-rays are required to use the optional pelvic tilt assessment feature of ONE Planner Hip
- Lateral imaging is optional and dependent on surgeon preference
- Surgeon must indicate on imaging order if lateral imaging is to be performed
- When performed, both sitting and standing left lateral X-rays are required
- Required annotations: laterality and sitting/standing



Personalized Solutions Customer Support

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See further documentation referenced in 3507.3 ONE Planner Hip/ROSA Hip Imaging Protocol

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