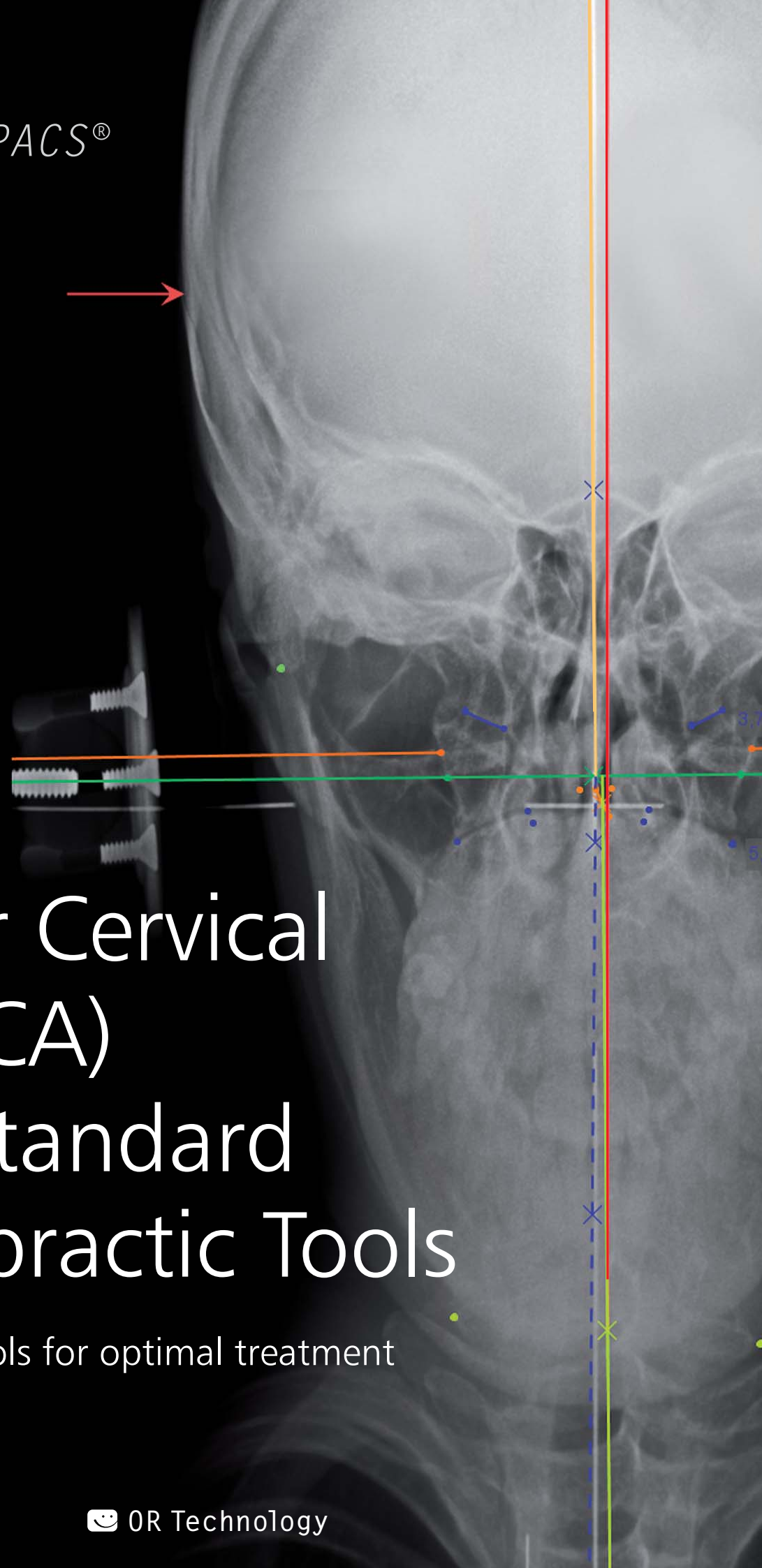
dicomPACS®



Upper Cervical (NUCCA) and Standard Chiropractic Tools

Diagnostic tools for optimal treatment

OR Technology

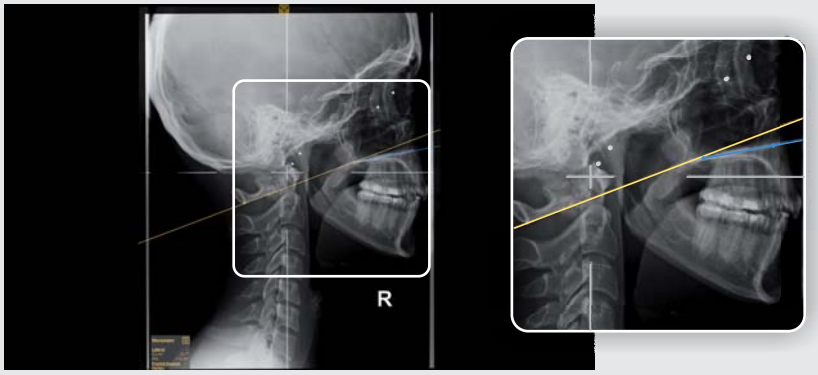
dicomPACS®

Special Tools

***dicom**PACS*® Diagnostic tools for Upper Cervical Chiropractic (NUCCA)

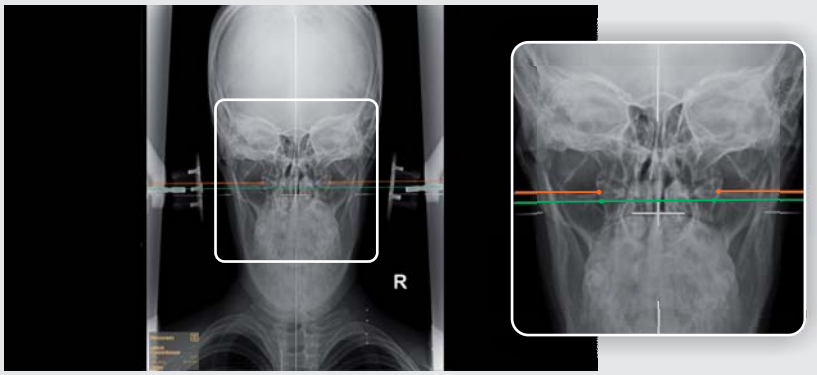
The Upper Cervical Chiropractic tool set has been created in cooperation with leading NUCCA experts from the US and Canada. It offers a variety of ways to reach a fast and accurate diagnosis. Templates like the Cephalometer, Grid, Circumscale, and Relatoscope enable you to continue working as you are used to.

S-Line and Hard Palate Line
You simply set two points each on C1 and the hard palate to create the S-Line and the Hard Palate Line. We will show you the horizontal angles.

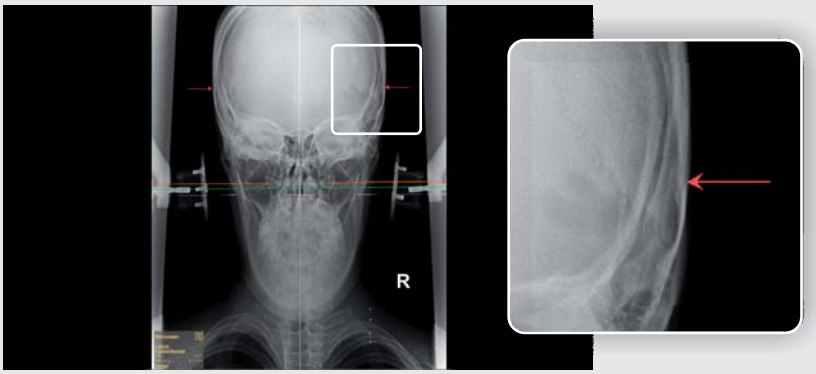


Raw Data Box
All measured values will be shown in the raw data box. You can also show and hide values manually.

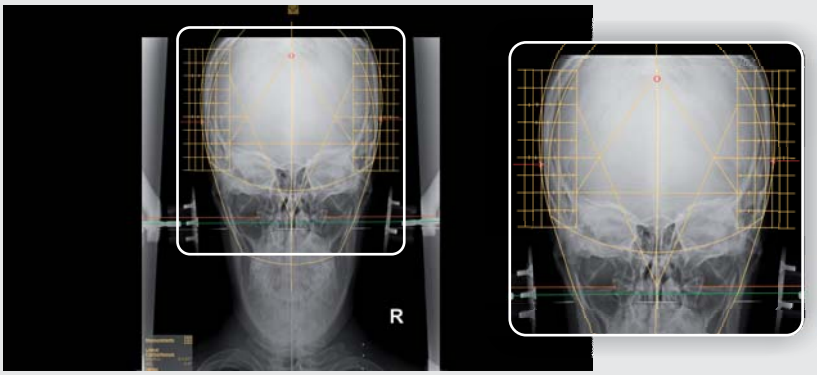
Atlas Plane Line and Atlas Check Line
The horizontal angle and the angle between Atlas Plane Line and Atlas Check Line will be shown in the raw data box.



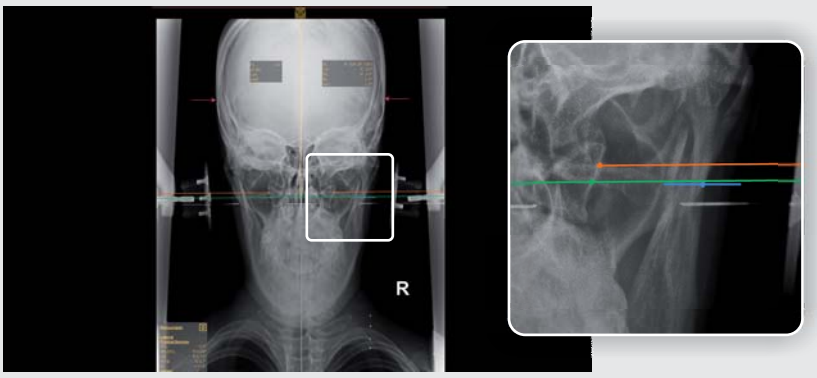
Squamous Sutures
Mark as many lateral aspects of the skull as you wish and even change the appearance of the markers.



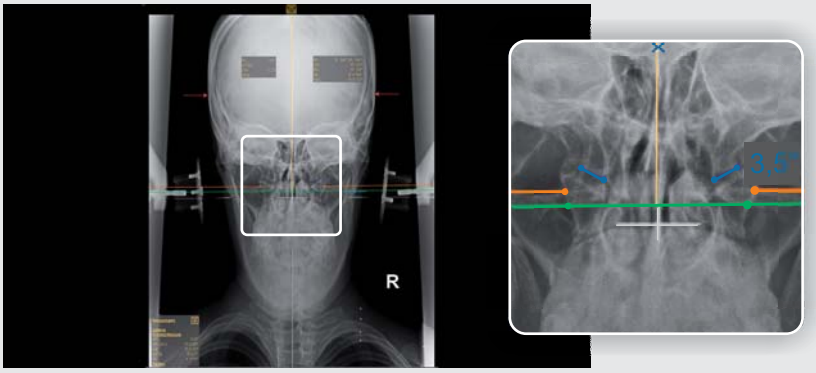
Cephalometer and Central Skull Line
Use the Cephalometer to draw the Central Skull Line. Laterality and Skull Tippage will be calculated automatically. The Four Elements and Listing Information will be inserted.



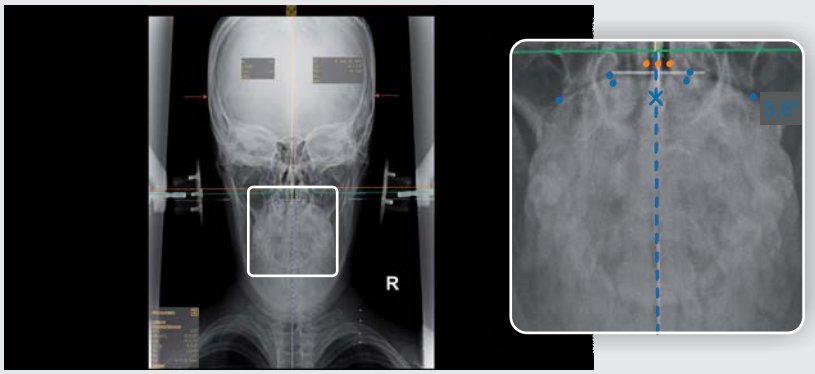
Plane Line
Set two points and the line will be shortened automatically. The distance to the Atlas Plane Line will be shown in the raw data box.



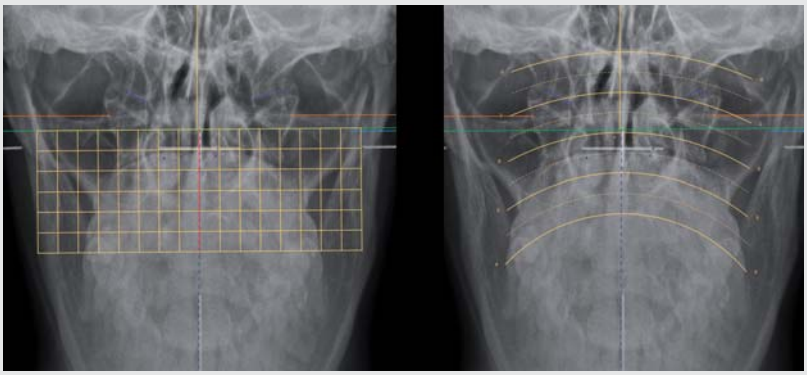
Condylar Circle
Choose between the three point and four point Condylar Circle. The middle point will be shown. You can set the calculated measurement manually to the value you prefer. The Relatoscope will use the shown value.



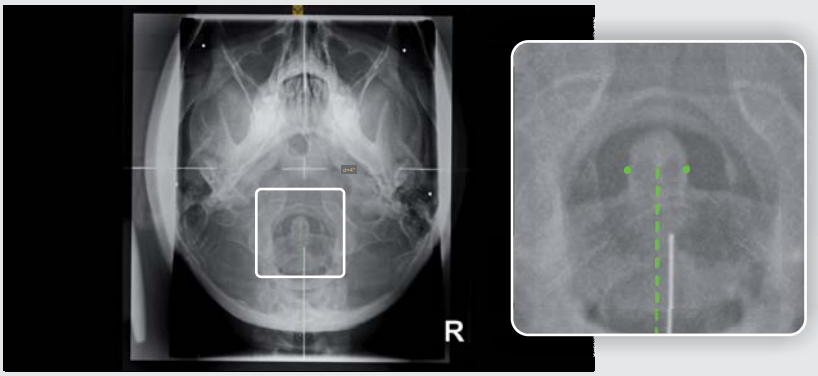
Axial Circle
The Body Center Line will be set automatically and the Axial Circle will be calculated and shown on the side of laterality. You can set the calculated measurement manually to the value you prefer.



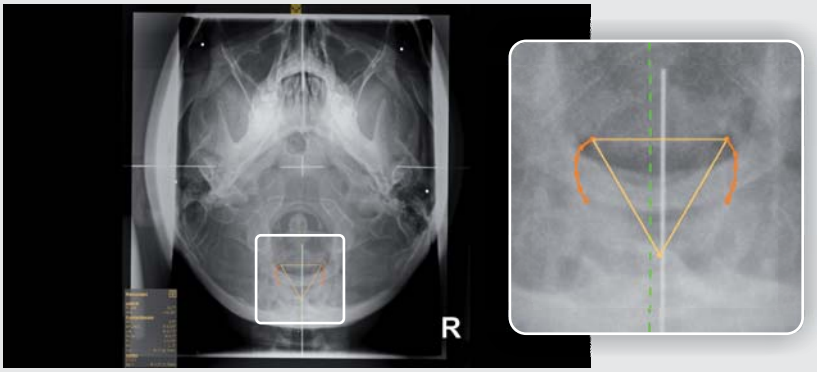
Circumscale and Grid
Activate the Circumscale or Grid template to double check the measurements of Condylar and Axial Circle and to set the points of the Axial Circle properly.



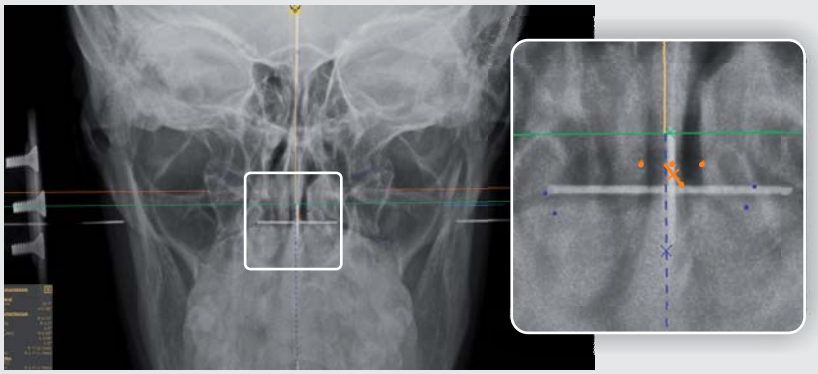
Odontoid Center on Vertex
Mark the lateral aspects of the dens and the Odontoid Center Line will be inserted.



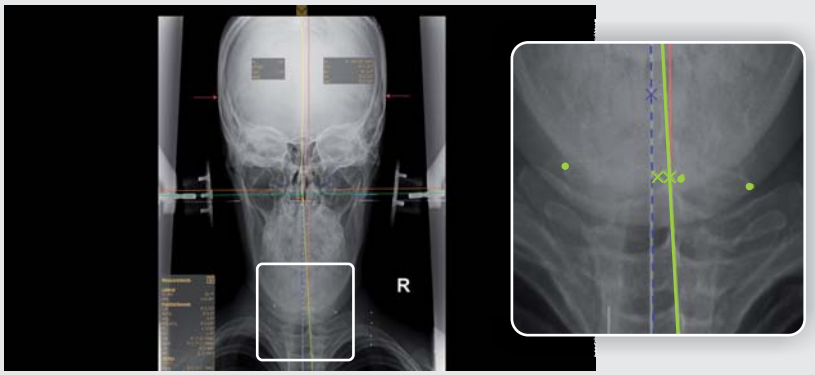
Vertex Square
After marking the C2 canal, the Vertex Square will be inserted and the Spinous value will be calculated depending on the Condylar Circle.



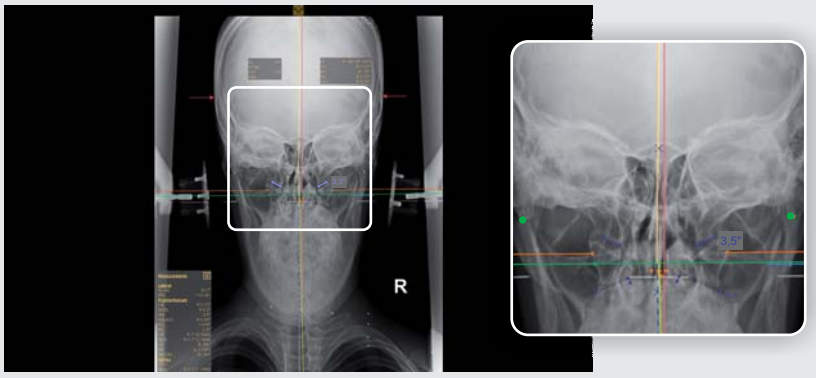
Odontoid, Spinous and Relatoscope
Use the Relatoscope to apply the Spinous value from Vertex to Nasium View. Mark the lateral aspects of the dens and the (corrected) Odontoid will be inserted automatically.



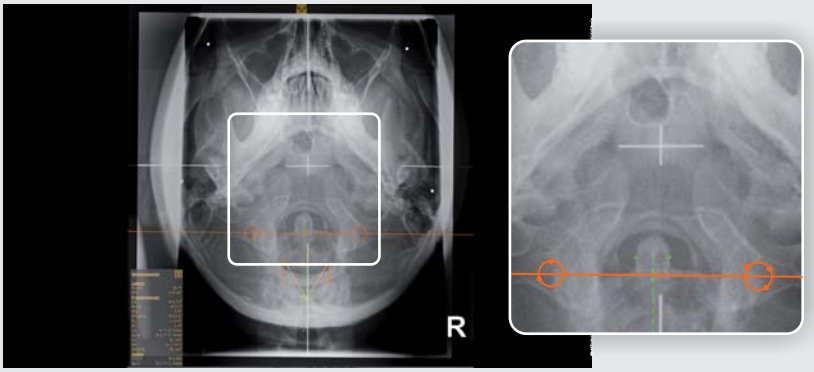
Lower Angle and Angular Rotation
The Lower Angle and Angular Rotation will be calculated automatically after setting the Inferior Point. You can also set a corrected Inferior Point.



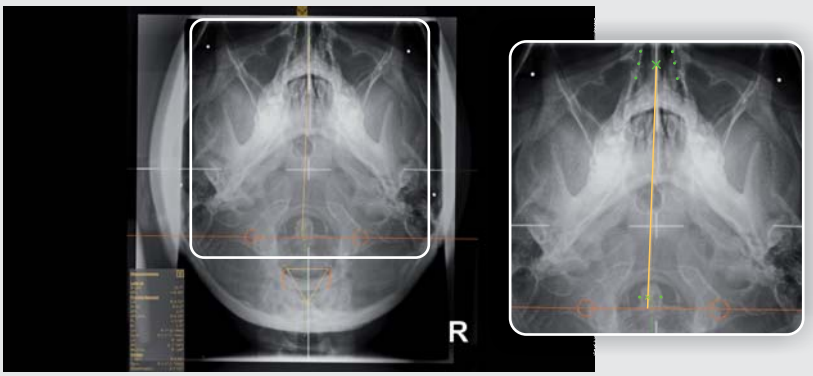
Intermastoid Line
Mark the inferior tips of the mastoid processes. The measured value, its orthogonal divergence from the Central Skull Line, will also appear in the raw data box.



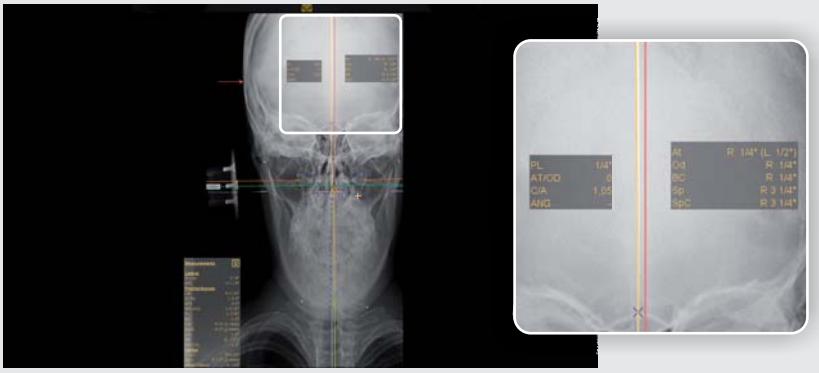
Vertex Atlas Line
After marking the transverse foramina of the atlas with three points each, we will draw the Vertex Atlas Line and show the convergence of C1 and C2.



Vertex Skull Line
After marking the nasal structures, click the Inferior Point button. The point will be set automatically depending on the Listing Information value and the Vertex Skull Line will be inserted. Atlas Rotation will be calcuated.

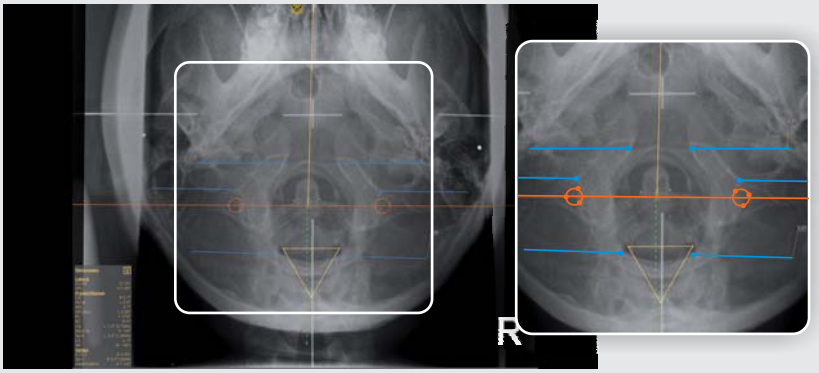


Four Elements and Listing Information
The Four Elements and Listing Information will be inserted on the opposite side and on the side of laterality and are completely editable.



Annotation Helpers
For every tool we have created a help window containing all steps and keyboard shortcuts you need to know. The window can be folded up and down and hidden completely.

Vertex Check Lines
Draw as many Vertex Check Lines as you wish. You can also apply angle measurements to them. It is also possible to combine nearly every annotation with angle or distance measurements.



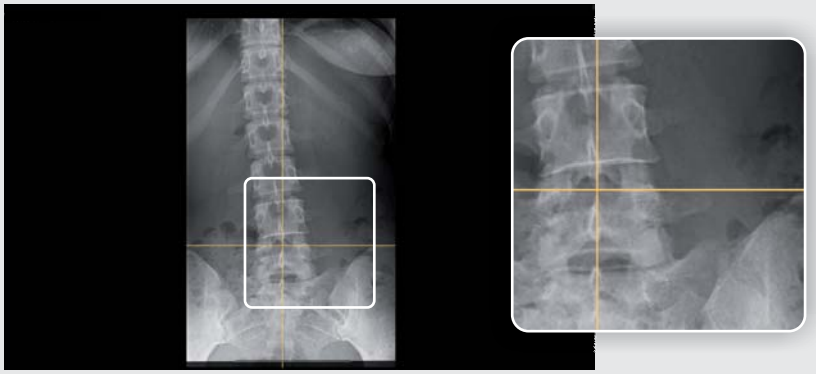

L: 8°

Standard Chiro Tools

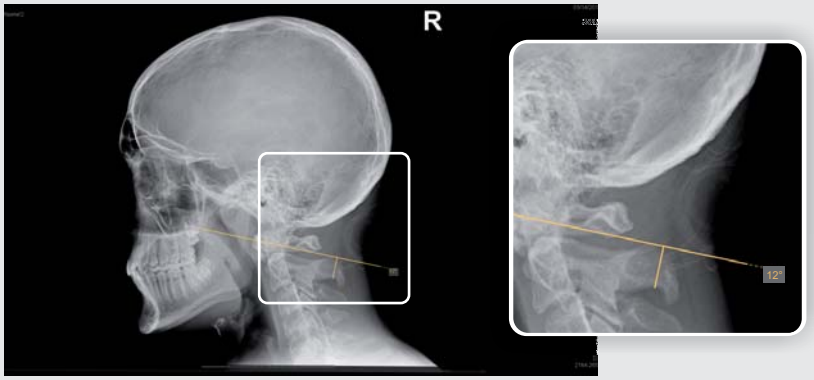
Diagnostic tools for optimal diagnosis

The Chiro Tools have been developed in cooperation with experts from the US and Canada. They help to make an accurate diagnosis and plan further treatment efficiently. After you select points of interest manually, the tools generate automated center lines and points, defined curves, angle measurements and much more for you. Of course all standard tools are included, e.g. distance measurements, angle, Cobb angle and mark spots.

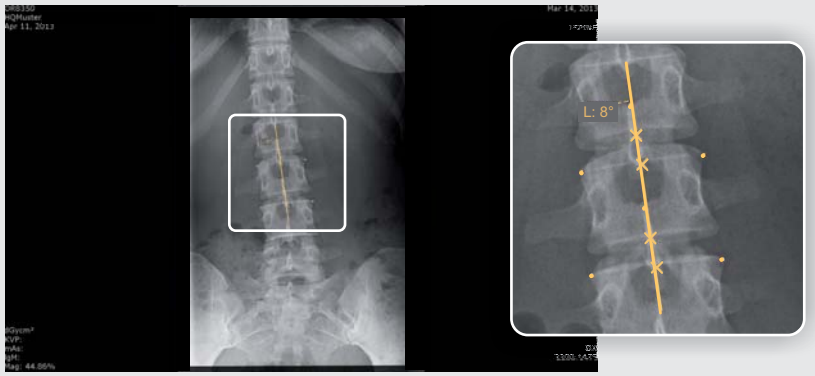
Axis line
The tool creates a vertical or horizontal axis, depending on the direction, in which the mouse pointer is moved.



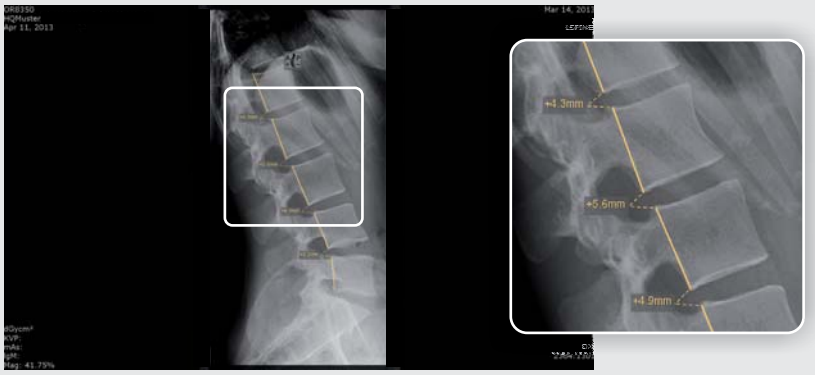
Orthogonal line
This tool is used to mark perpendicular lines on existing or yet to be drawn baselines. The divergence from the x/y-axis (nearer axis) is displayed by default.



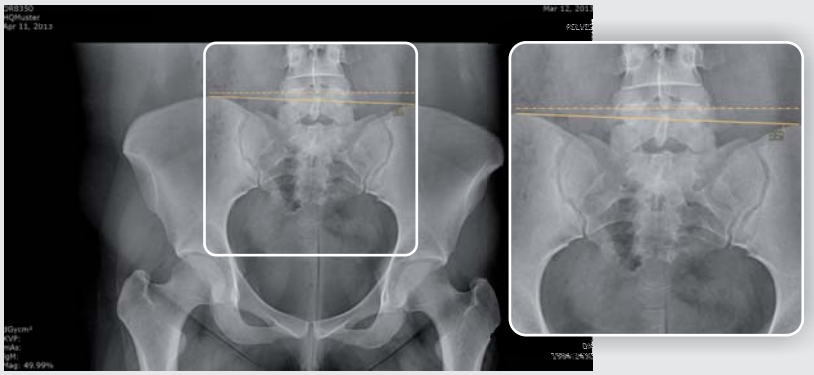
Vertebrae line
This tool generates a vertical line of six points (2x3) along the spinal canal and displays the lateral divergence and side of laterality in degrees.



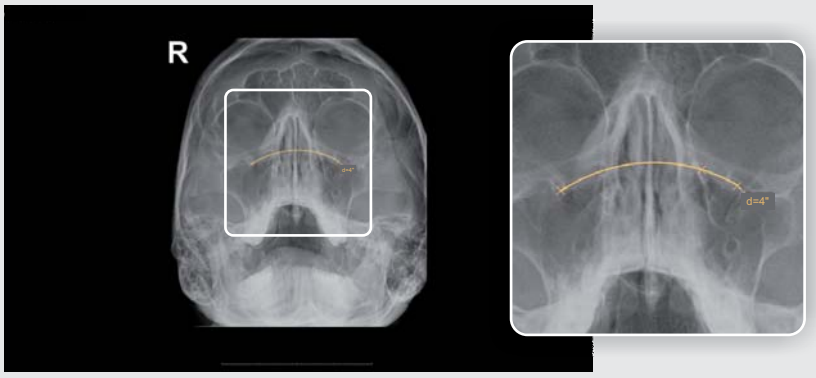
George's line
This tool is used to draw vertical lines on each vertebra along the spine in a lateral view and to calculate their distances (in mm or inch).



Horizontal or vertical level
This tool calculates the horizontal or vertical level. By default the nearer axis is used for calculation.

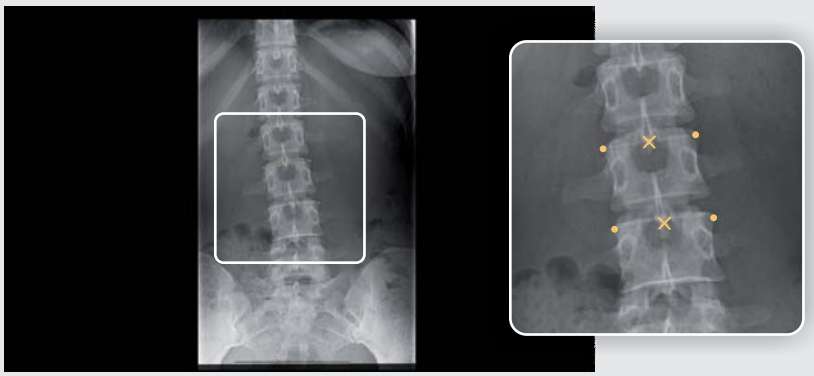


Circumscale
An arc is drawn through three defining points and the diameter of the corresponding circle is displayed by default.



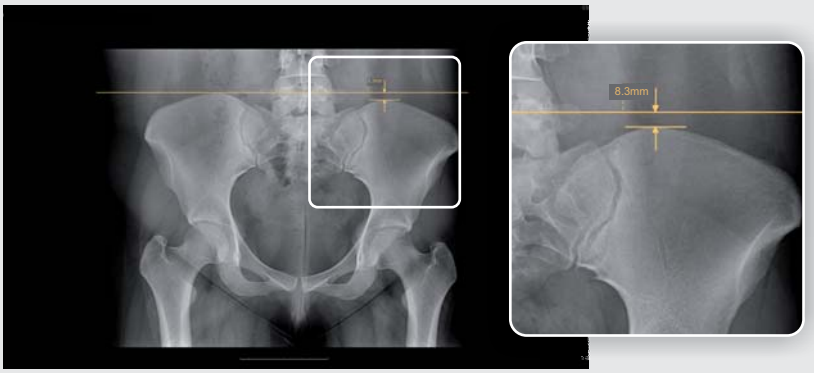
Spinal curve
This tool is used to draw an arc in the lateral view of the spine. The annotation uses a fixed radius set by default to 220 mm. Radius or degree can be adjusted manually.

Center point
This tool calculates the center point between two points.

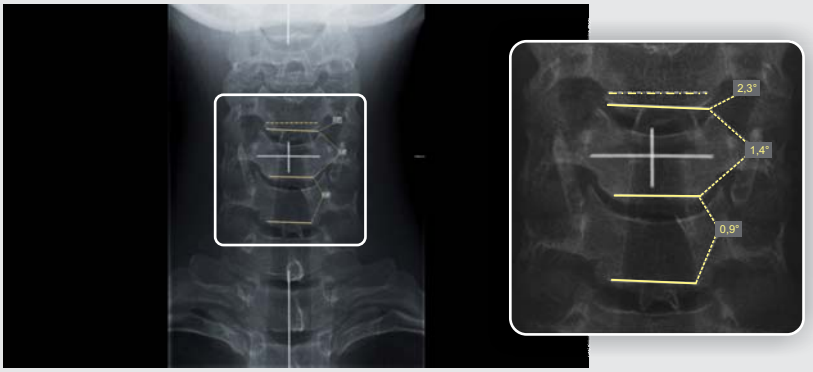


Distance comparison
This tool compares the distances between three set points (between point 1and point 2 and between point 2 and point 3) and shows the larger distance.

Pelvic obliquity
This tool is a measurement that is calculated automatically after two simple clicks which generate two horizontal lines showing the distance between these two parallels.



Edit/combine annotations
You can change the appearance of each annotation indiviually as well as the default. Annotations (points and measurements) can also be combined with already drawn points and lines.



Version 002_01_2016

Portfolio

Overview - products of OR Technology

Medici DR Systems

DR retrofits - digital upgrade set for existing X-ray systems incl. ***dicom**PACS®**DX-R*** acquisition software, also available for stationary and mobile X-ray machines

Leonardo DR Systems

DR suitcases - compact suitcase solutions for portable X-ray incl. ***dicom**PACS®**DX-R*** acquisition software

Amadeo X-ray Systems

Complete digital X-ray systems (incl. stand, bucky, generator, flat panel incl. ***dicom**PACS®**DX-R*** acquisition software etc.) as well as mobile and portable X-ray solutions

Divario CR Systems

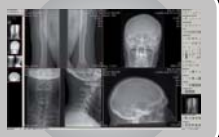
CR solutions - CR systems for digital X-ray with cassettes incl. ***dicom**PACS®**DX-R*** acquisition software

X-ray Accessories

Accessories for X-ray (e.g. radiation protection walls, gloves etc.)

dicomPACS®

Image management (PACS) - comprises acquisition, processing, diagnosis, transfer and archiving of image material



ORCA

Cloud-based archive solution - safe, long-term archiving of patient data with intelligent usage of internal databases, communication platform with colleagues and specialists and transfer of image data to patients

dicomPACS® DX-R

X-ray Acquisition Software

X-ray acquisition software [only for OEMs] - acquisition and diagnostic software for X-ray images from flat panels or CR systems

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