

Spine / Back / Neck

Scoliosis

4D Structural Analysis of the Entire Body

This diagnostic method is also known as video raster stereography (VRS) and enables identification of spinal deformations completely without x-ray. This is important for children who are still growing, who suffer from scoliosis or Morbus Scheuermann, and who have to be measured on a regular basis. Besides, this procedure can present the spine in a three-dimensional way, as opposed to other imaging methods. With this contact-free method, a projector throws parallel measurement lines onto the back, using white light, and a video camera forwards the pattern to a computer. Special software then converts the data into a three-dimensional image. This method also enables the simulation of correctional measures on-screen, in order to find the therapy that most suits the patient in question.