

New orthosis for adolescent idiopathic scoliosis

Multitom Rax True2scale Body Scan¹ clinical case
Institute and Polyclinic for Diagnostic and Interventional
Radiology, University Hospital Carl Gustav Carus,
Technical University Dresden, Germany



¹ Option

The products/features (mentioned herein) are not commercially available in all countries. Their future availability cannot be guaranteed. Results from case studies are not predictive of results in other cases. Results in other cases may vary.



Study ID 5aad142

Clinical background and indication for Multitom Rax True2scale Body Scan¹

Patient

Female | *Age range* 9 - 12 years | *BMI range* 13 - 16 kg/m²

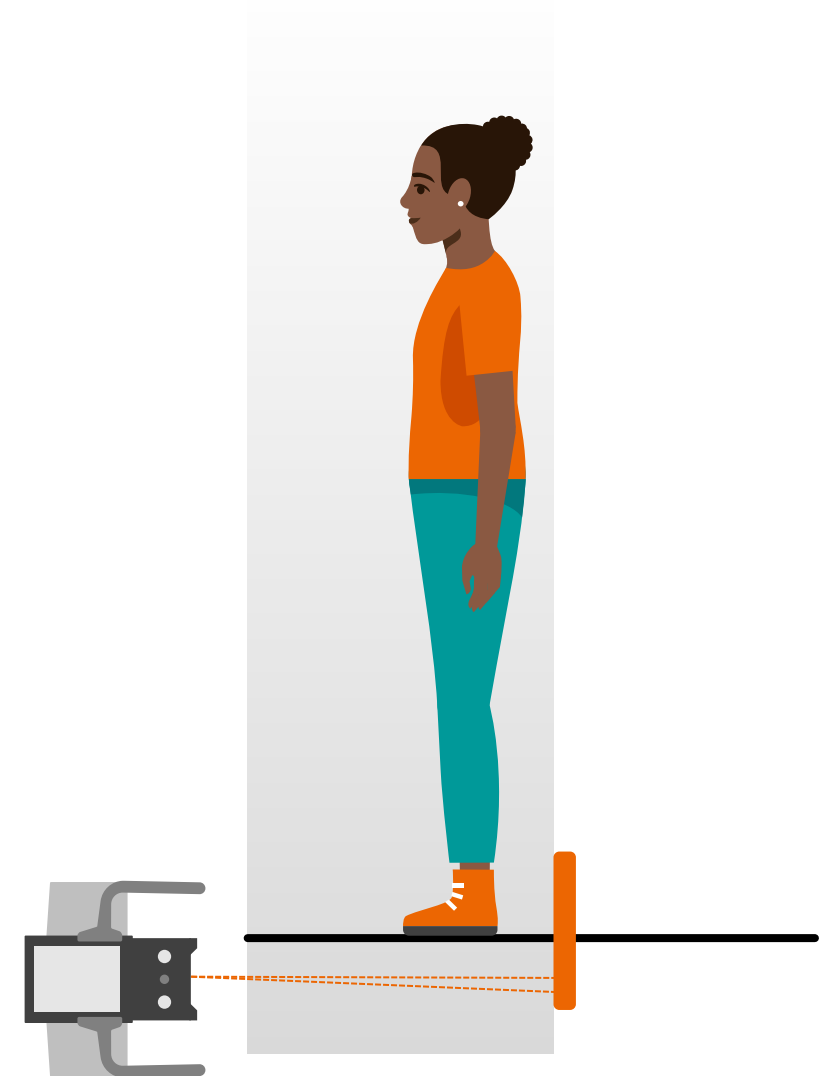
Anamnesis

Patient with idiopathic scoliosis (AIS) with new orthosis.

Indication for True2scale Body Scan¹

Control with orthosis.

Standard imaging in the radiology department of University Hospital Carl Gustav Carus, Technical University Dresden.



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Multitom Rax True2scale Body Scan¹ Settings



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True2scale Body Scan in one plane using upright pediatric 10J protocol

<i>Scan range</i>	62 cm
<i>Scan time</i>	3 sec
<i>Tube voltage</i>	73 kV
<i>Current time product</i>	292 mAs
<i>Dose area product</i>	3.28 $\mu\text{Gy}\cdot\text{m}^2$

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Multitom Rax True2scale Body Scan¹

Diagnostic findings

The images with the new orthosis show a significant correction of the scoliosis.

Endplates can be identified for each vertebral body.

Further treatment of scoliosis with orthosis.



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“True2scale Body Scan offers an overall good image impression with diagnostic quality.”¹

Sophia Blum, MD

University Hospital Carl Gustav Carus Dresden, Germany

¹The statements by Siemens Healthineers customers described herein are based on results that were achieved in the customer's unique setting.

Since there is no “typical” hospital and many variables exist (e.g., hospital size, case mix, level of IT adoption) there can be no guarantee that other customers will achieve the same results.



The products/features (mentioned herein) are not commercially available in all countries. Their future availability cannot be guaranteed. True2scale Body Scan is an option.

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Dr. Sophia Blum is employed by an institution that receives financial support from Siemens Healthineers for collaborations.