

# Osteoarthritis of the knee

Multitom Rax True2scale Body Scan<sup>1</sup> clinical case  
Krankenhaus der Augustinerinnen, Cologne, Germany



<sup>1</sup> 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 5aad077

# Clinical background and indication for Multitom Rax True2scale Body Scan<sup>1</sup>

## Patient

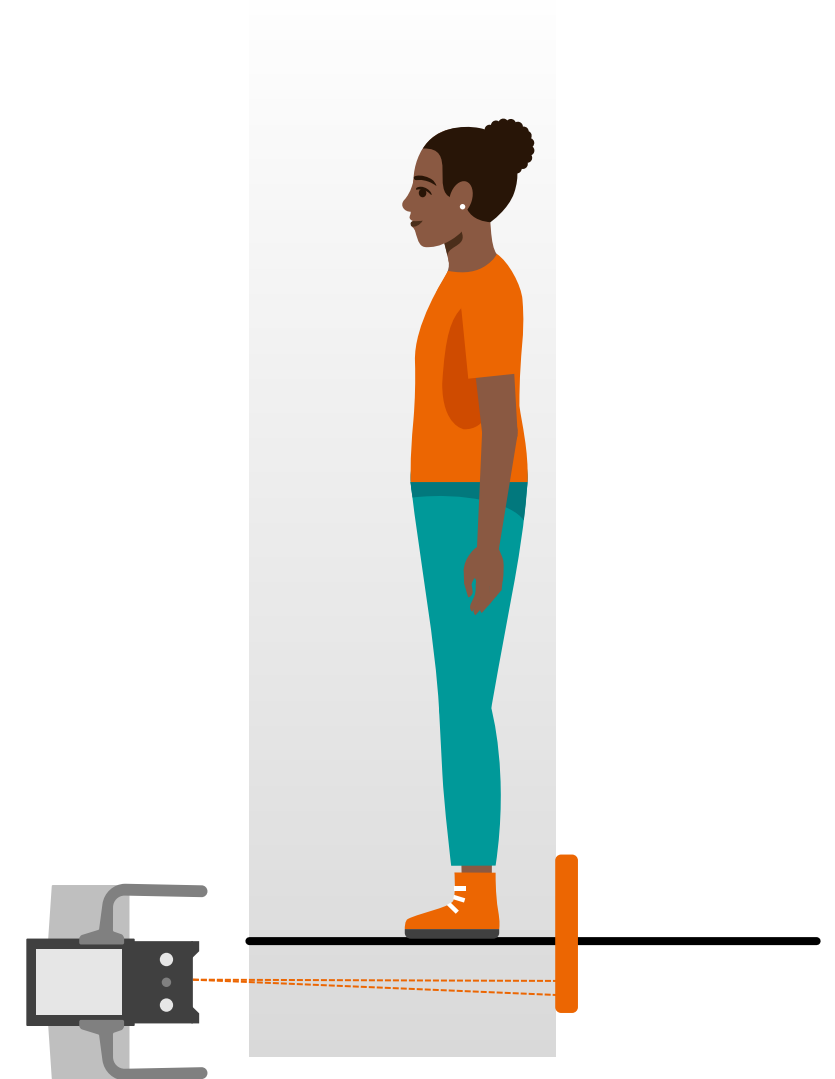
Female | Age range 70 - 80 years | BMI range 25 - 30 kg/m<sup>2</sup>

## Anamnesis

The patient suffered osteoarthritis. A hip replacement had already been performed. She reported knee pain under weight-bearing conditions with gonarthrosis.

## Indication for True2scale Body Scan<sup>1</sup>

A long leg examination was required for preoperative planning.



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# Multitom Rax True2scale Body Scan<sup>1</sup> Settings



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## True2scale Body Scan in one plane using **upright M** protocol

<i>Scan range</i>	93 cm
<i>Scan time</i>	4 sec
<i>Tube voltage</i>	81 kV
<i>Current time product</i>	161 mAs
<i>Dose area product</i>	24.6 $\mu\text{Gy}\cdot\text{m}^2$

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# Multitom Rax True2scale Body Scan<sup>1</sup>

## Diagnostic findings

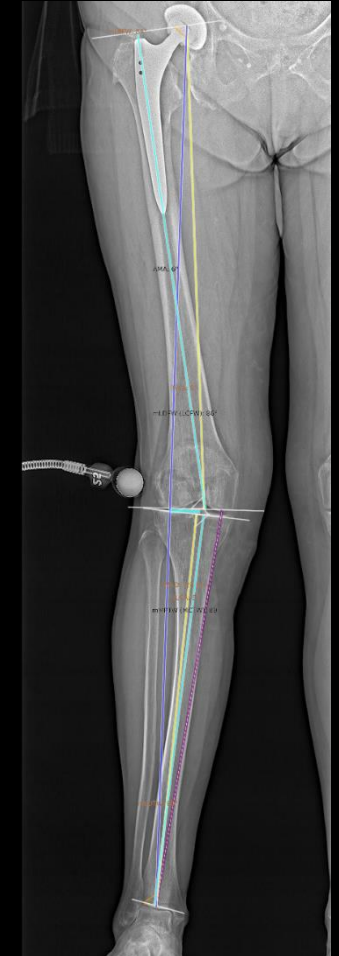
Measurement of mechanical and anatomical leg axes for preoperative 2-dimensional planning of a total knee replacement.

*Zoom into the True2scale  
Body Scan of the leg*



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*Measurements on the  
True2scale examination  
using mediCAD®  
planning software*



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*“All important anatomical structures are assessable on True2scale Body Scan with good image contrast, good spatial resolution and minor image noise.”<sup>1</sup>*

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<sup>1</sup>The 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.



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