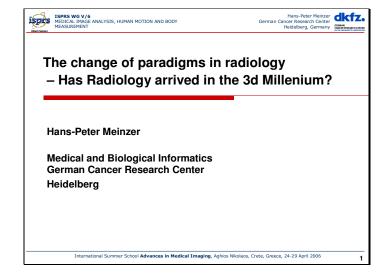
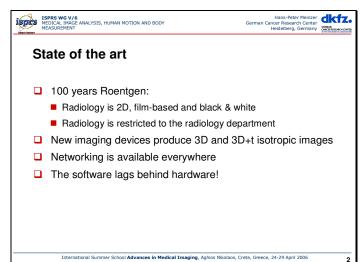


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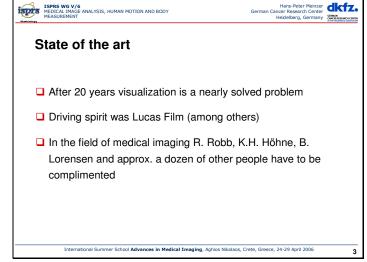






3

4



STATE OF THE MAINT MADE ANALYSIS, HUMAN MOTION AND BODY

State of the art

Volume visualization

Both techniques have their own applications or may be combined

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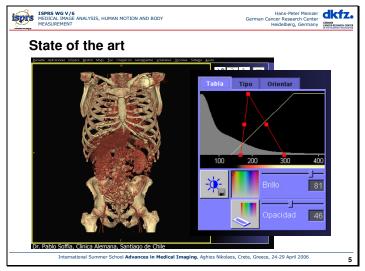
Agenta Cancer Research Center Medical Imaging, Aghios Nikolaos, Crete, Greece, 24-29 April 2006

Agenta Cancer Research Center Medical Imaging, Aghios Nikolaos, Crete, Greece, 24-29 April 2006

Agenta Cancer Research Center Medical Imaging, Aghios Nikolaos, Crete, Greece, 24-29 April 2006



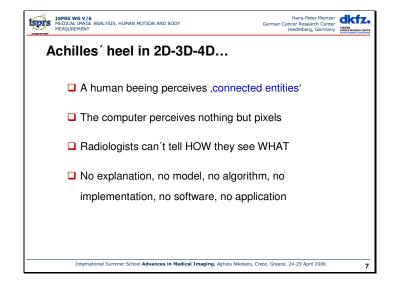
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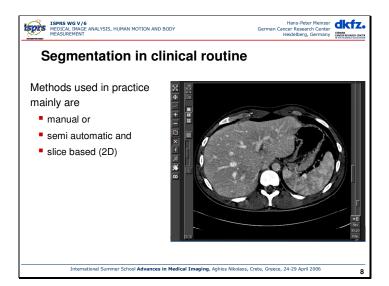




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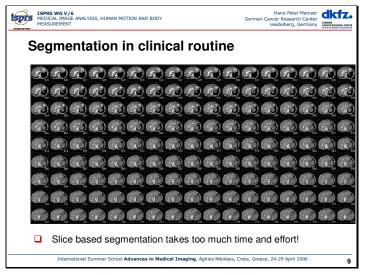


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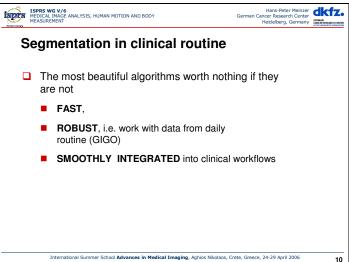




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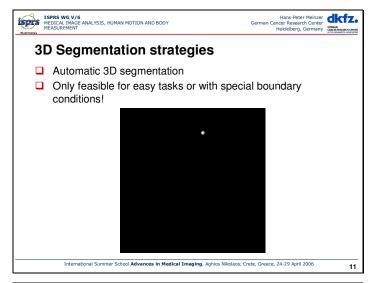


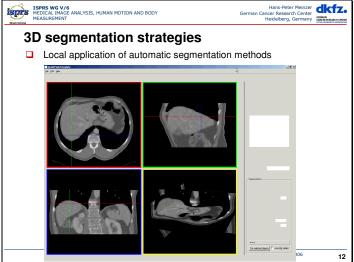
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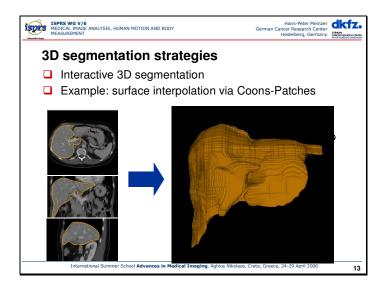






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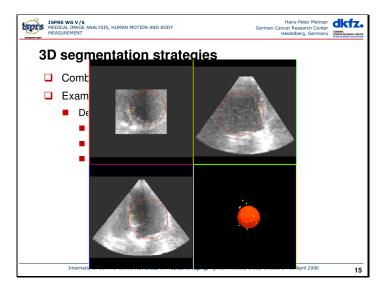
Hans-Peter Meinzer
German Cancer Research Center
Heidelberg, Germany ISPRS WG V/6
MEDICAL IMAGE ANALYSIS, HUMAN MOTION AND BODY
MEASUREMENT 3D segmentation strategies □ Segmentation using statistical shape models Calculation of a "mean" organ shape and its shape variances

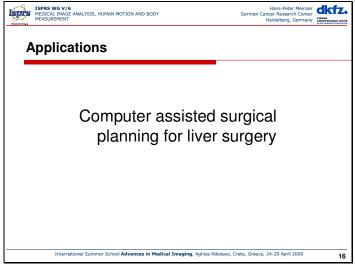
> Adaption of the model to the concrete patient

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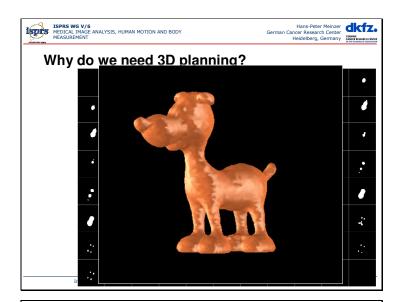
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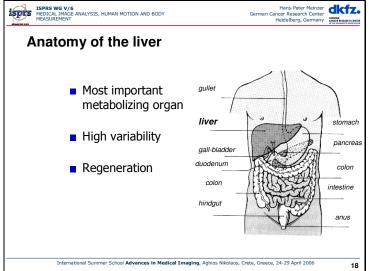






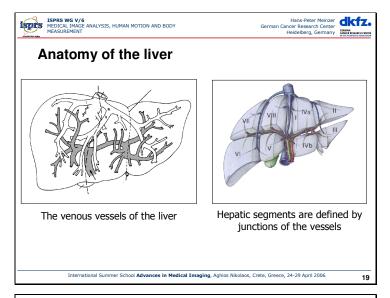
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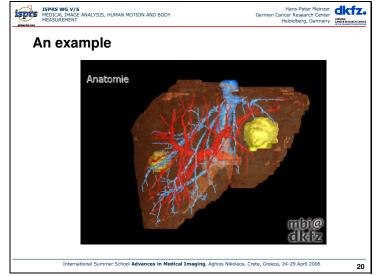




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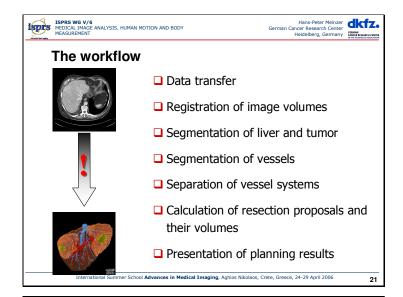
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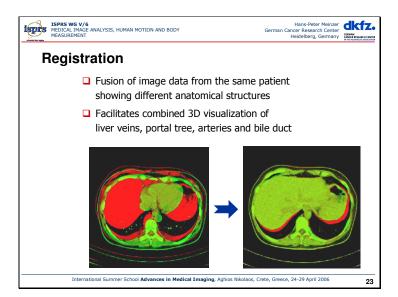
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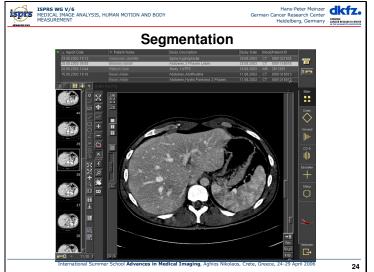






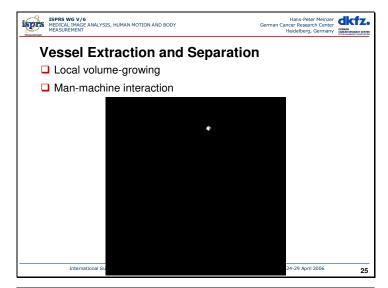
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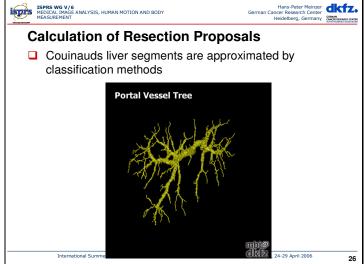






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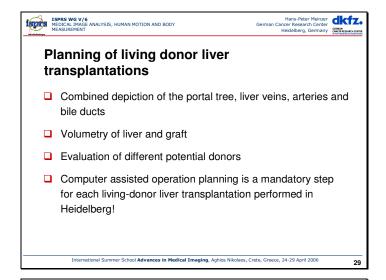
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ISPRS WG V/6
MEASUREMENT

Case I: Anatomically feasible

Donor

50 year old Wife

Calculated graft size:
728 ml / 662 g / 61%

Real graft size:
726 ml / 650 g / 61%

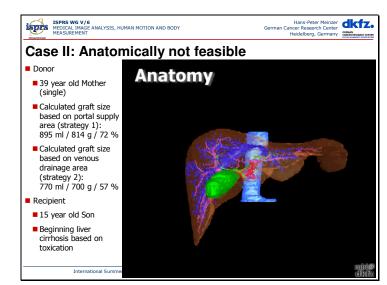
Recipient

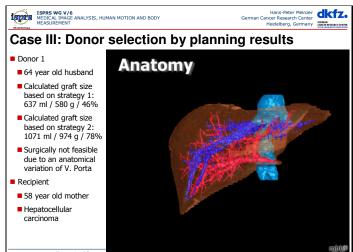
54 year old Husband

End stage liver cirrhosis based on hepatitis B



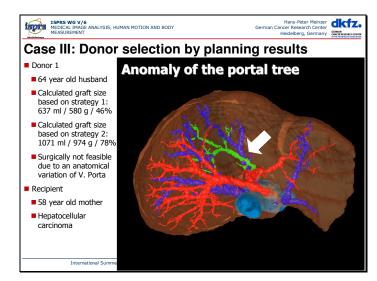
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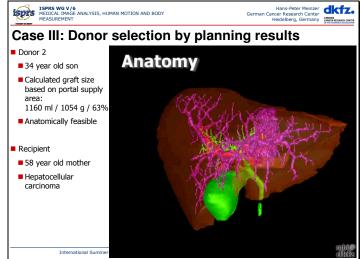






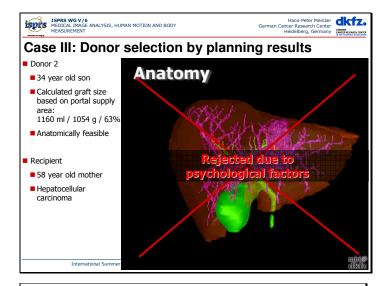
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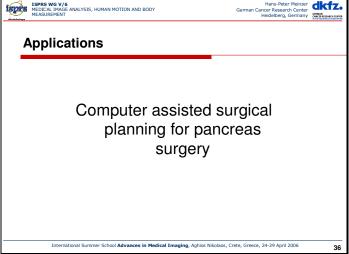






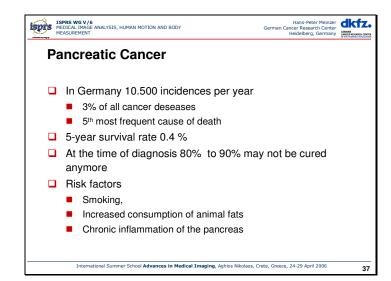
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Stomach
Vena cava
Vena porta
Bile ducts
Left Kidney
Duodenum

Mesenterial artery and veins

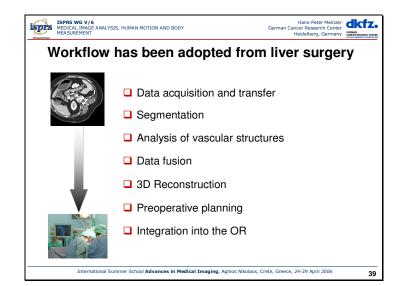
Mesenterial artery and veins

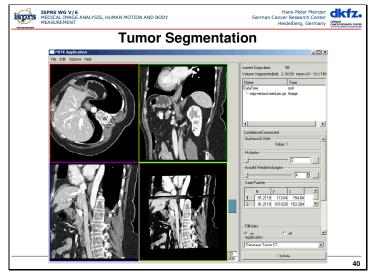
Wena cava

Mesenterial artery and veins



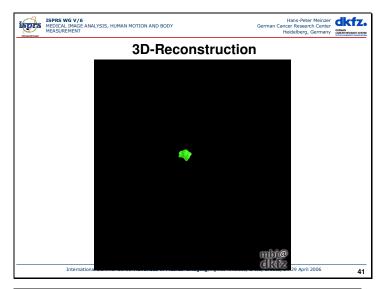
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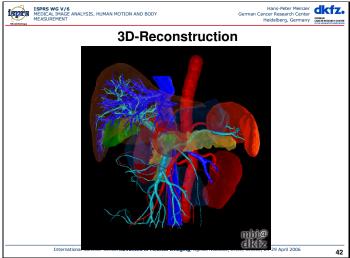






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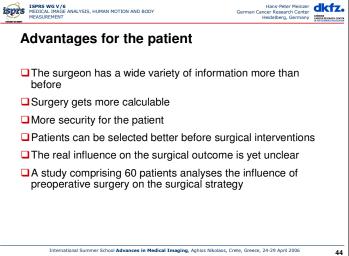






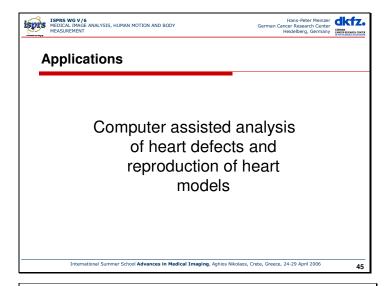
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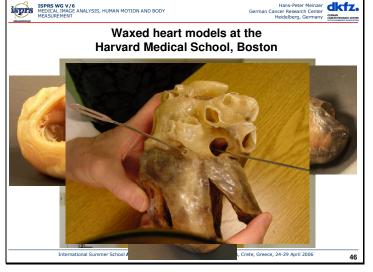






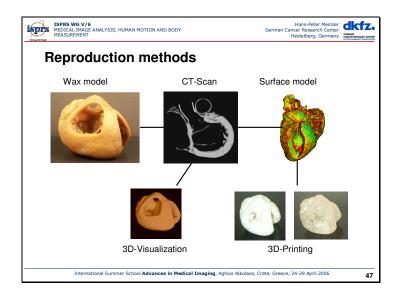
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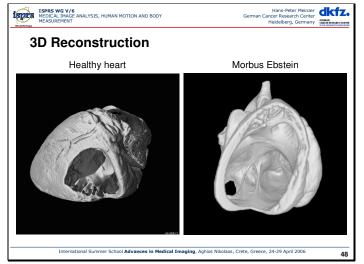






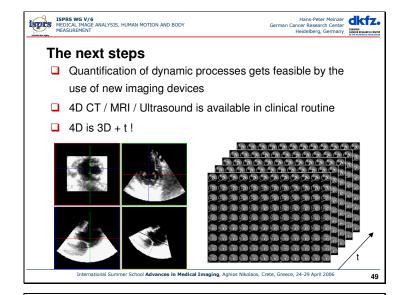
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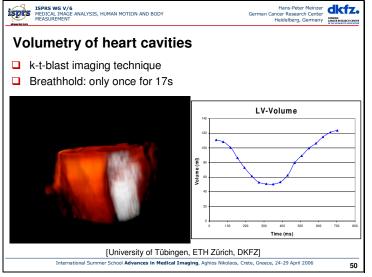






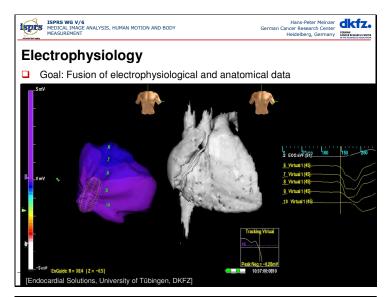
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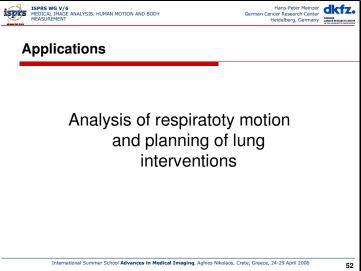






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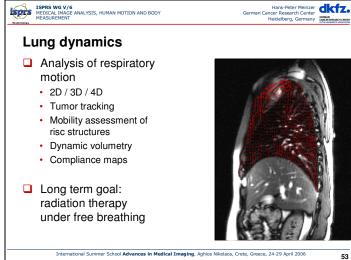


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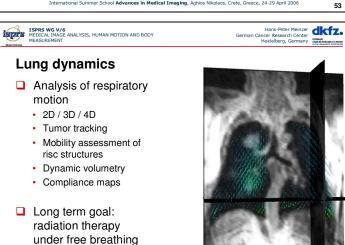
MEDICAL IMAGE ANALYSIS, HUMAN MOTION AND BODY MEASUREMENT



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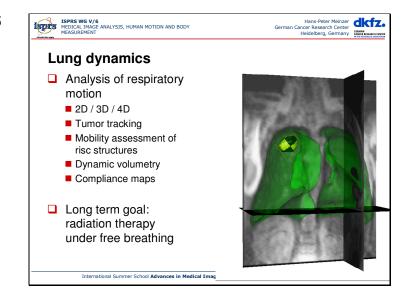


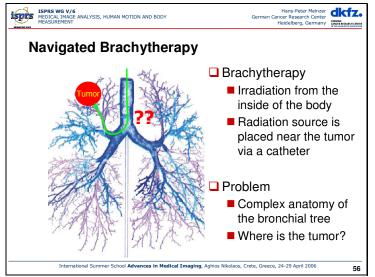
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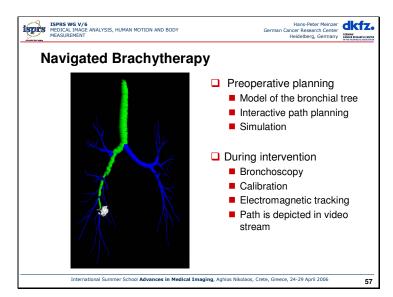
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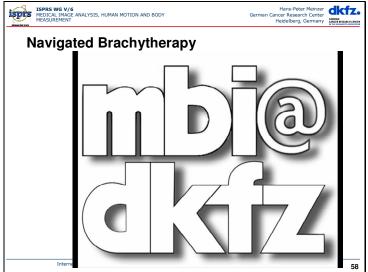






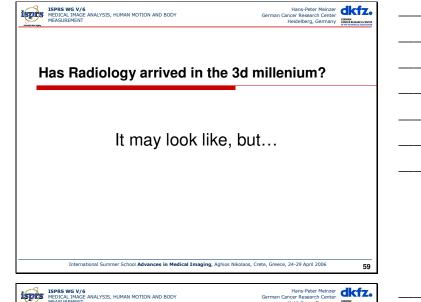
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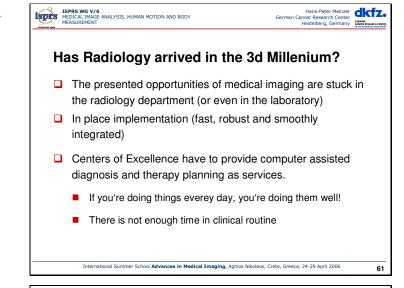
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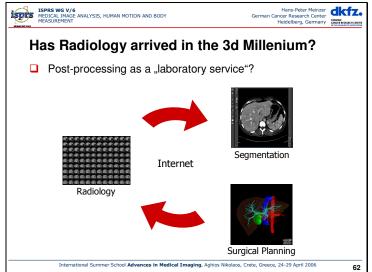


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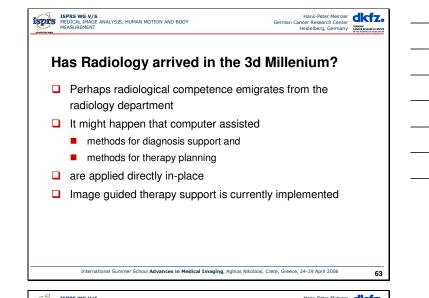
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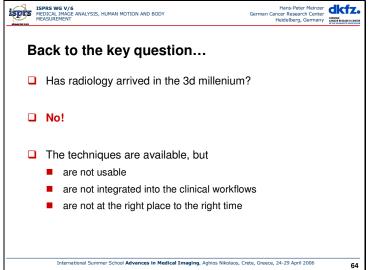






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MEDICAL IMAGE ANALYSIS, HUMAN MOTION AND BODY

The team...

The team...

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MEDICAL IMAGE ANALYSIS, HUMAN MOTION AND BODY
MEDICAL IMAGE ANALYSIS, HUMAN MOTION AND BODY
MEDICAL IMAGE ANALYSIS, HUMAN MOTION AND BODY

The team...

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