

## **FS 55**

### **Presentation of case studies for CT-protocol optimization**

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4 cases with optimization potential as well as software tools for necessary data analysis are presented. The approach to data analysis is demonstrated in a step-by-step way. This includes the extraction of important exposure parameters such as kV, mAs or collimated slice width.

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### **Discussion of the case studies**

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The other 3 case studies are analyzed individually. The exposure parameters are determined by means of software tools from the image data and the respective problems are worked out. A comparison is made with the “Leitlinien der Bundesärztekammer” and the dose reference values.

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### **Proposal for Solutions**

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Optimization proposals are presented for all 4 case studies. The effect of optimization on dose and image quality are presented. There is the possibility for interactive discussion and the introduction of other optimization suggestions from the auditorium.