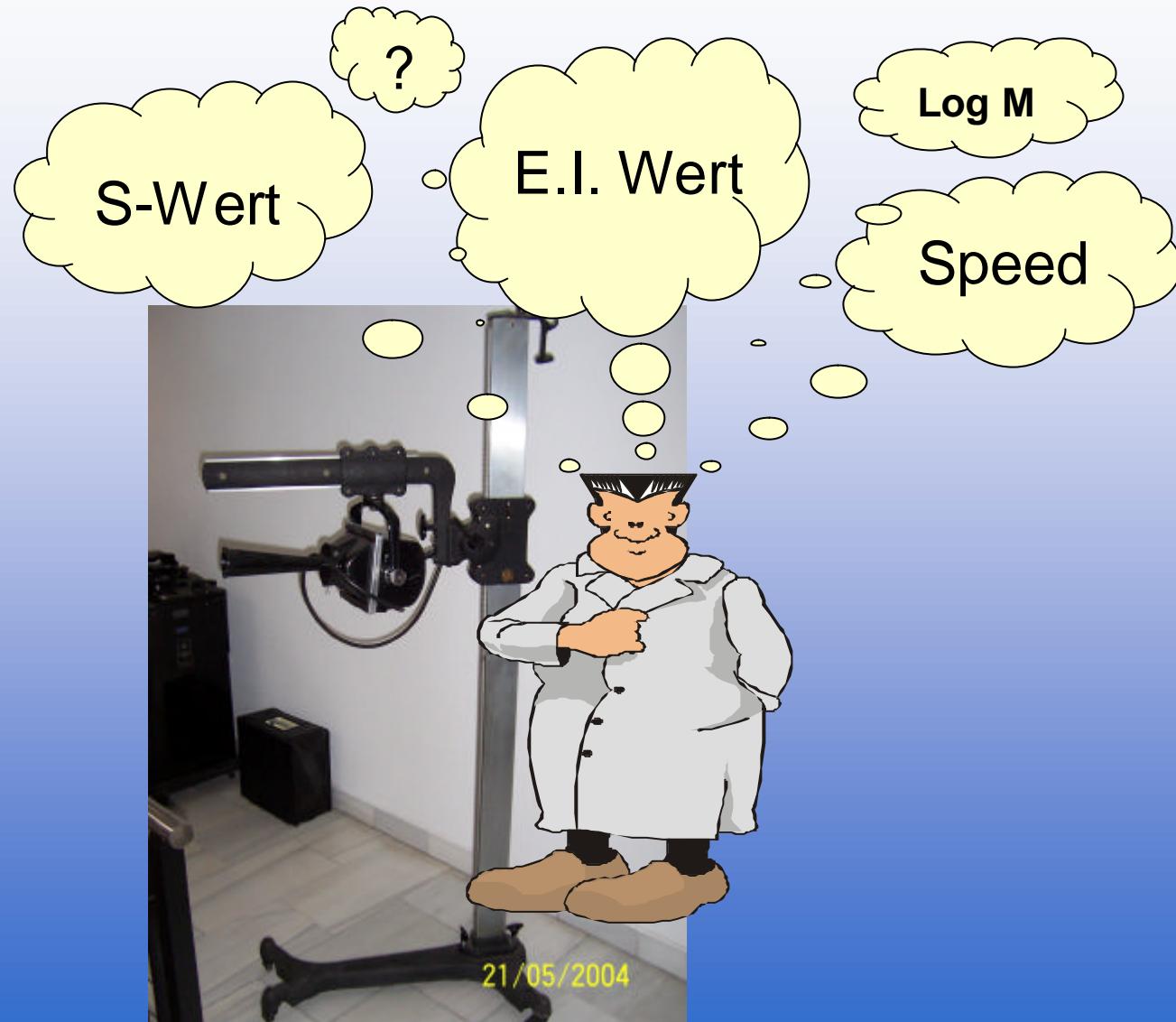




# Gemeinsame Dosisindikatoren für CR- and DR- Systeme

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# Exposure Index: Heute



June, 18, 2004

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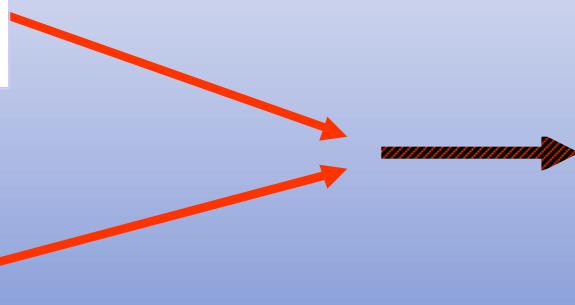
# Exposure Index: KODAK



KODAK CR  
Speicherphosphor  
Systeme



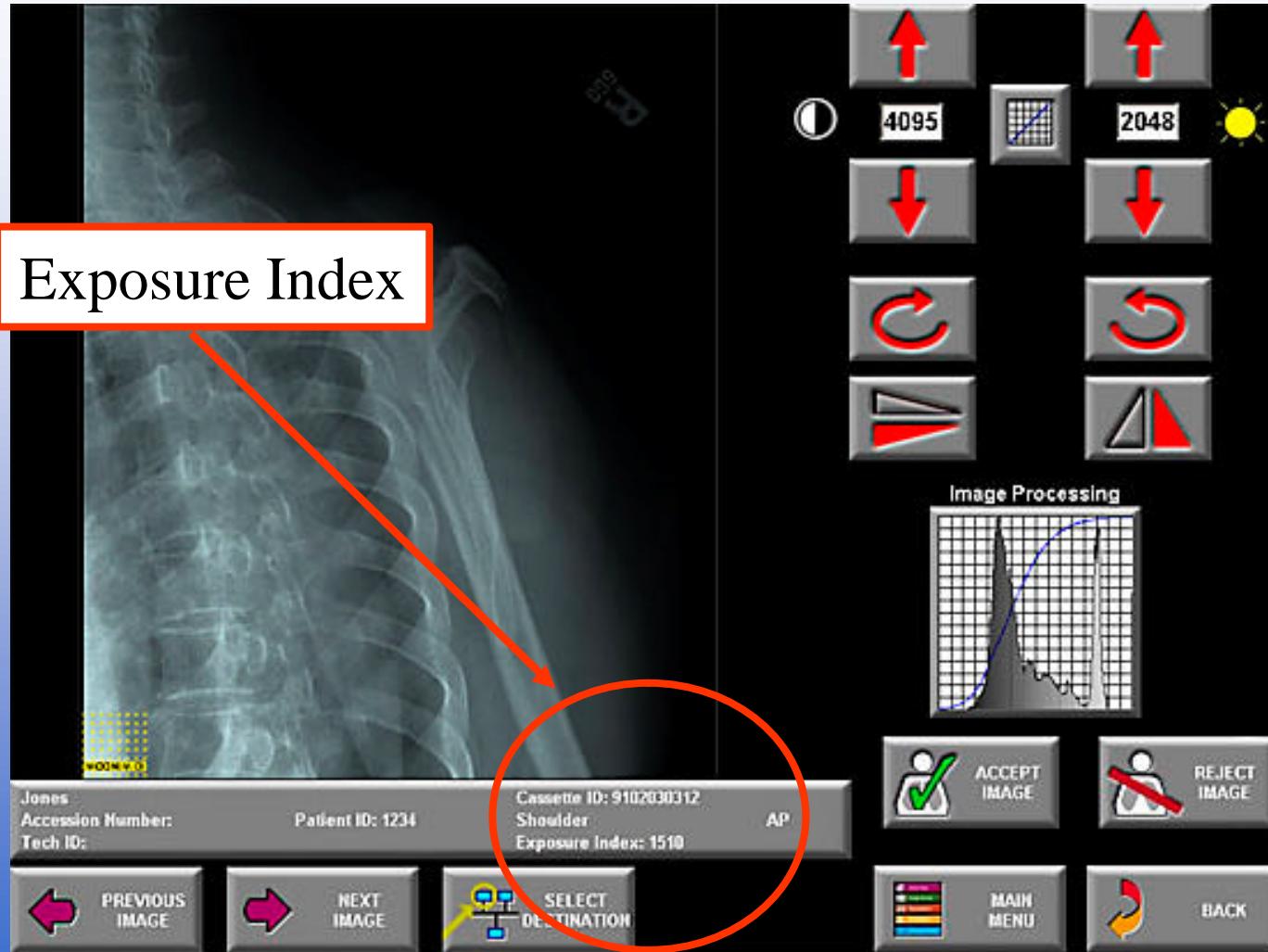
KODAK DR  
Flatpanel Systeme



Gemeinsame S/W Plattform  
Gleiche Bildparameter  
Gleiche E. I. Berechnung



# Exposure Index: KODAK CR

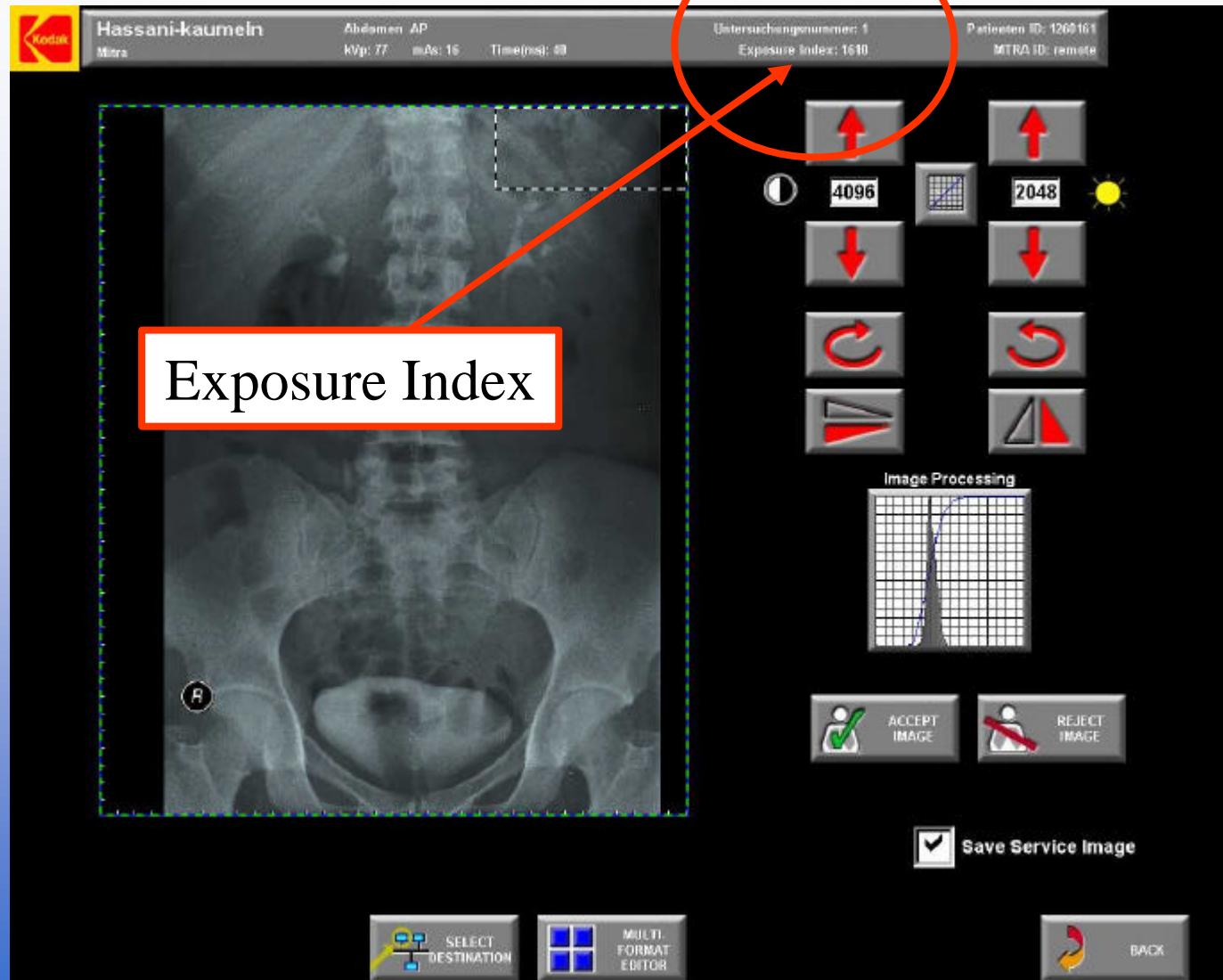


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# Exposure Index: KODAK DR



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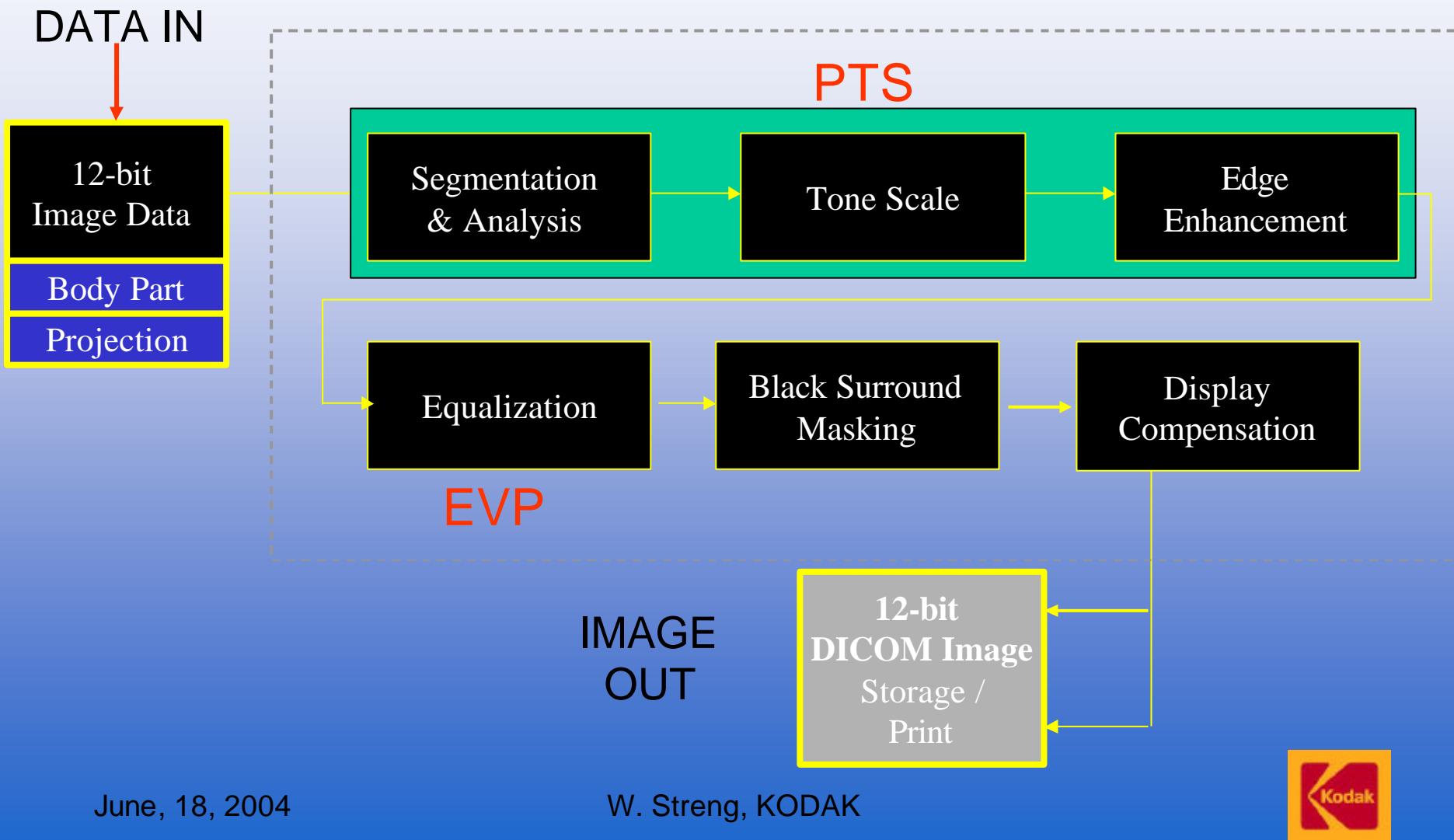


# KODAK CR/DR E.I. Berechnung

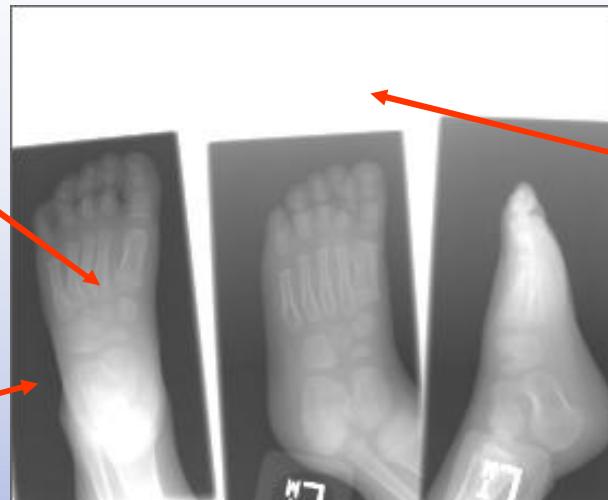
- Segmentierung des Objekts notwendig
- Histogramm basierend
- Durchschnittl. Pixelwert des anatomischen Objekts
- Steigt mit Detektordosis
- KV abhängiger Wert (steigt bei niedriger KV und gleicher Dosis)
- Abhängig von der Objektposition



# KODAK CR/DR Display Processing



# KODAK CR/DR E.I. Faktor

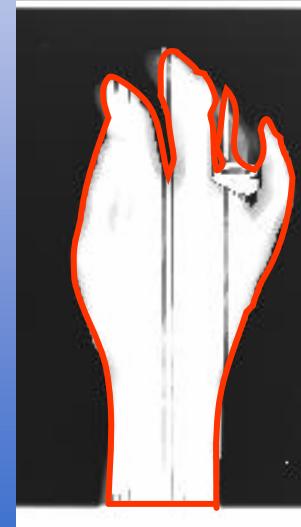
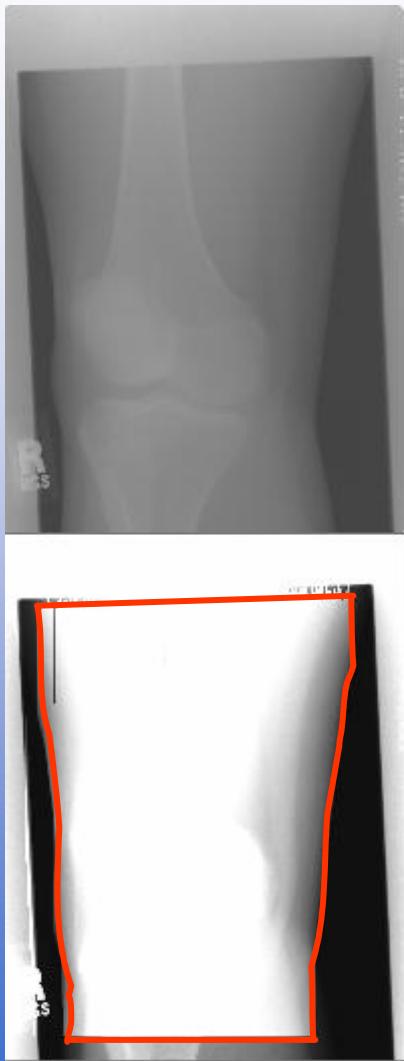
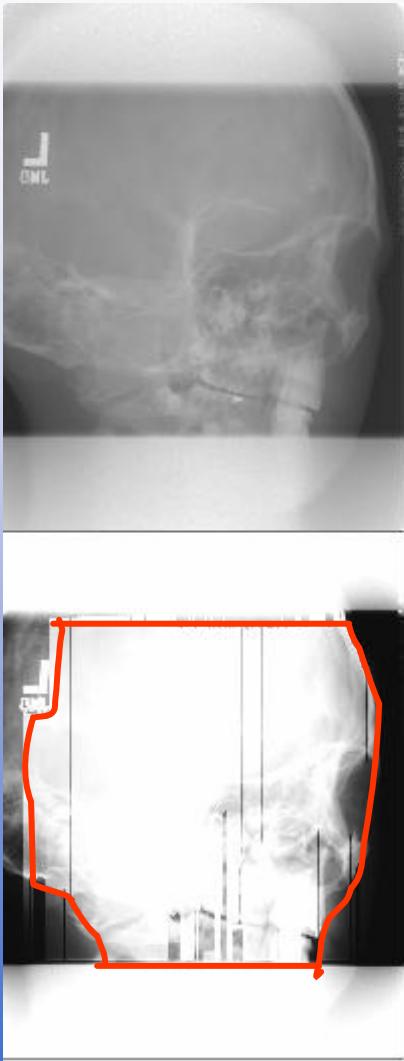


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# KODAK CR/DR E.I. Faktor

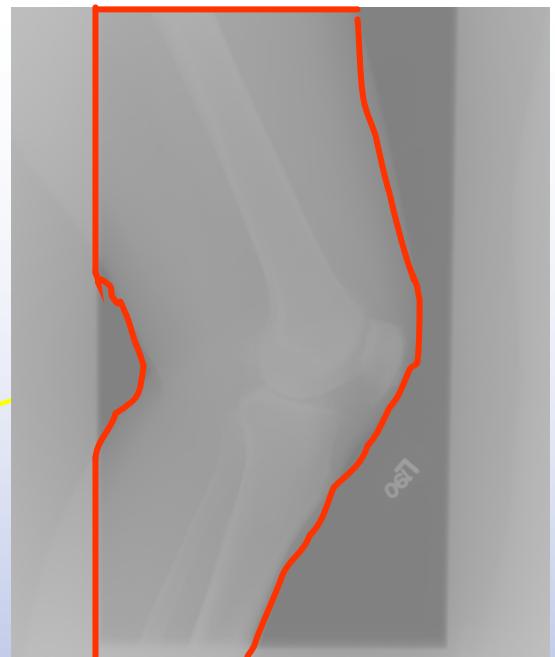
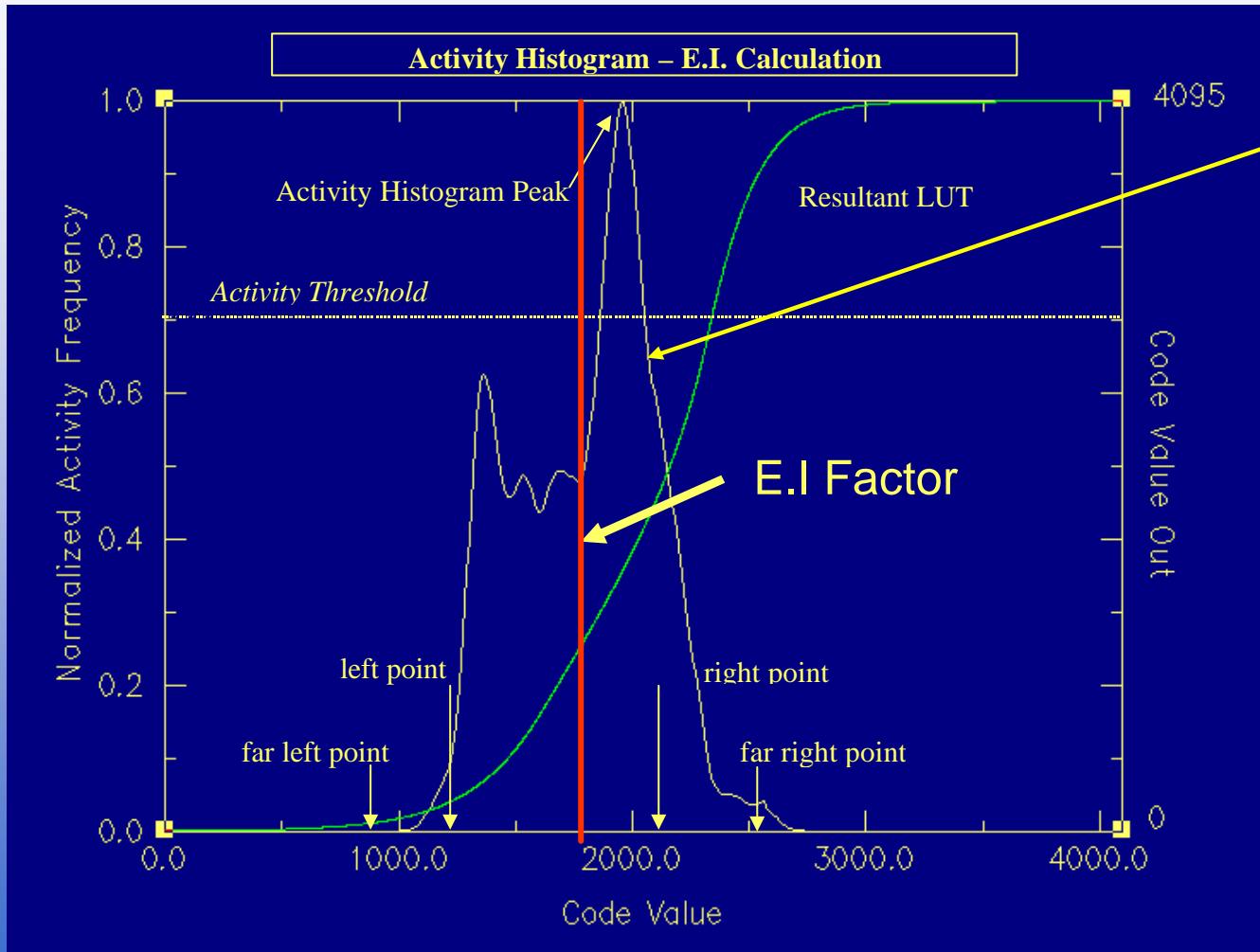


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# KODAK CR/DR E.I. Faktor

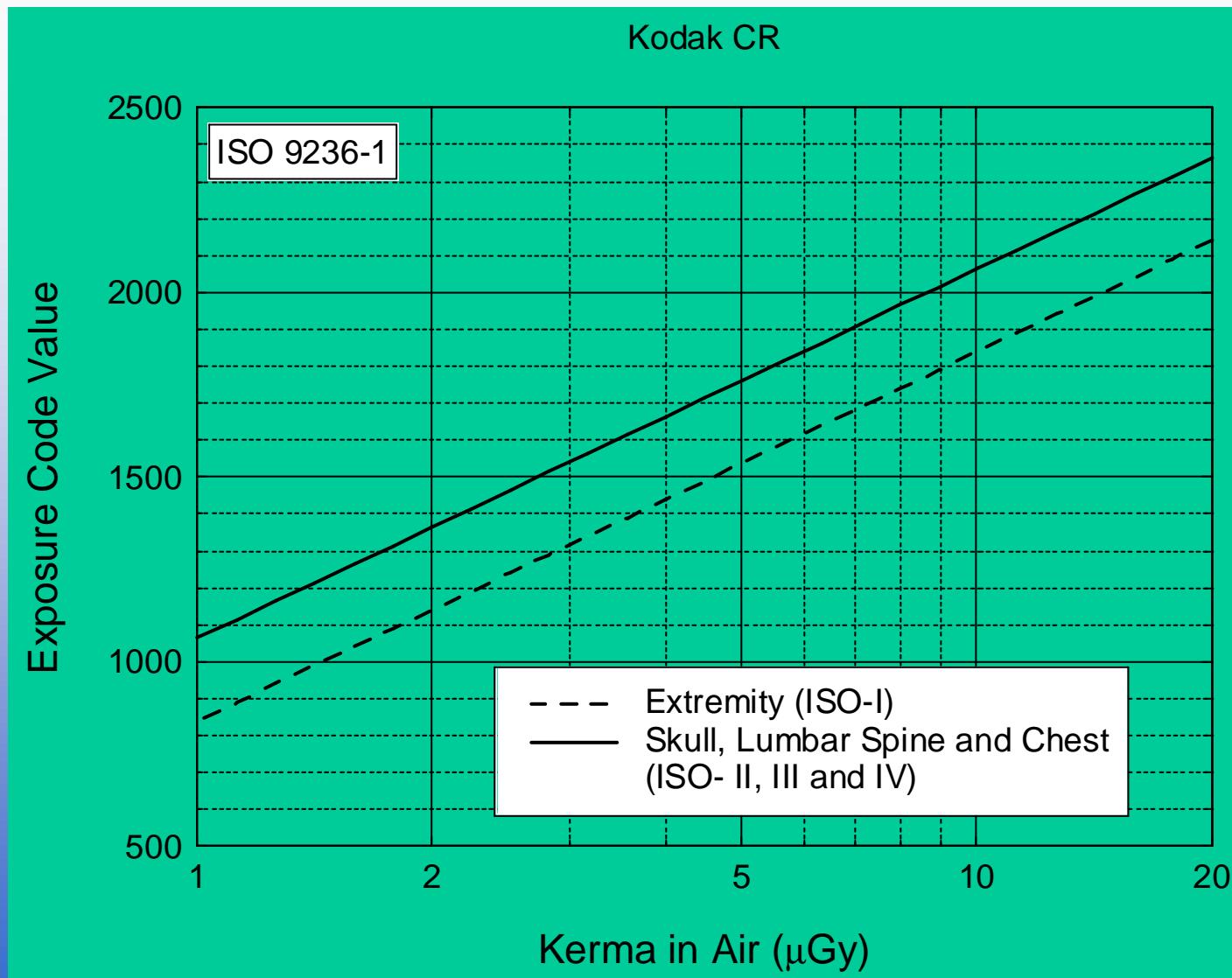


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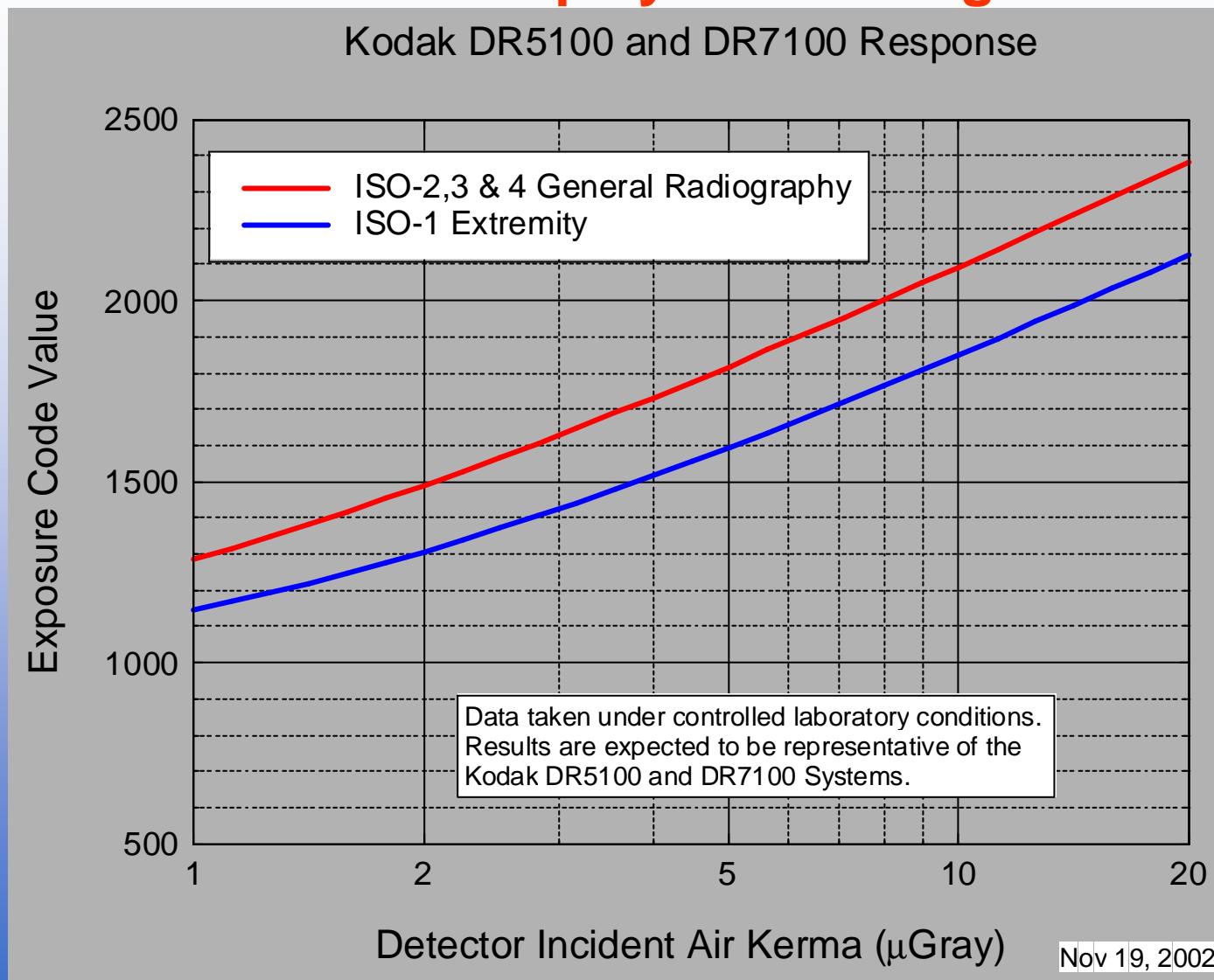
# KODAK CR/DR Display Processing



- ISO-1 = Extremitäten  
50 KVP, 100+/- 50 ms
- ISO-2 = Schädel  
70 KVP, 200+/- 100 ms
- ISO-3 = L-Säule  
90 KVP, 200+/- 100 ms
- ISO-4 = Lunge  
120 KVP, 20+/ 10 ms



# KODAK CR/DR Display Processing

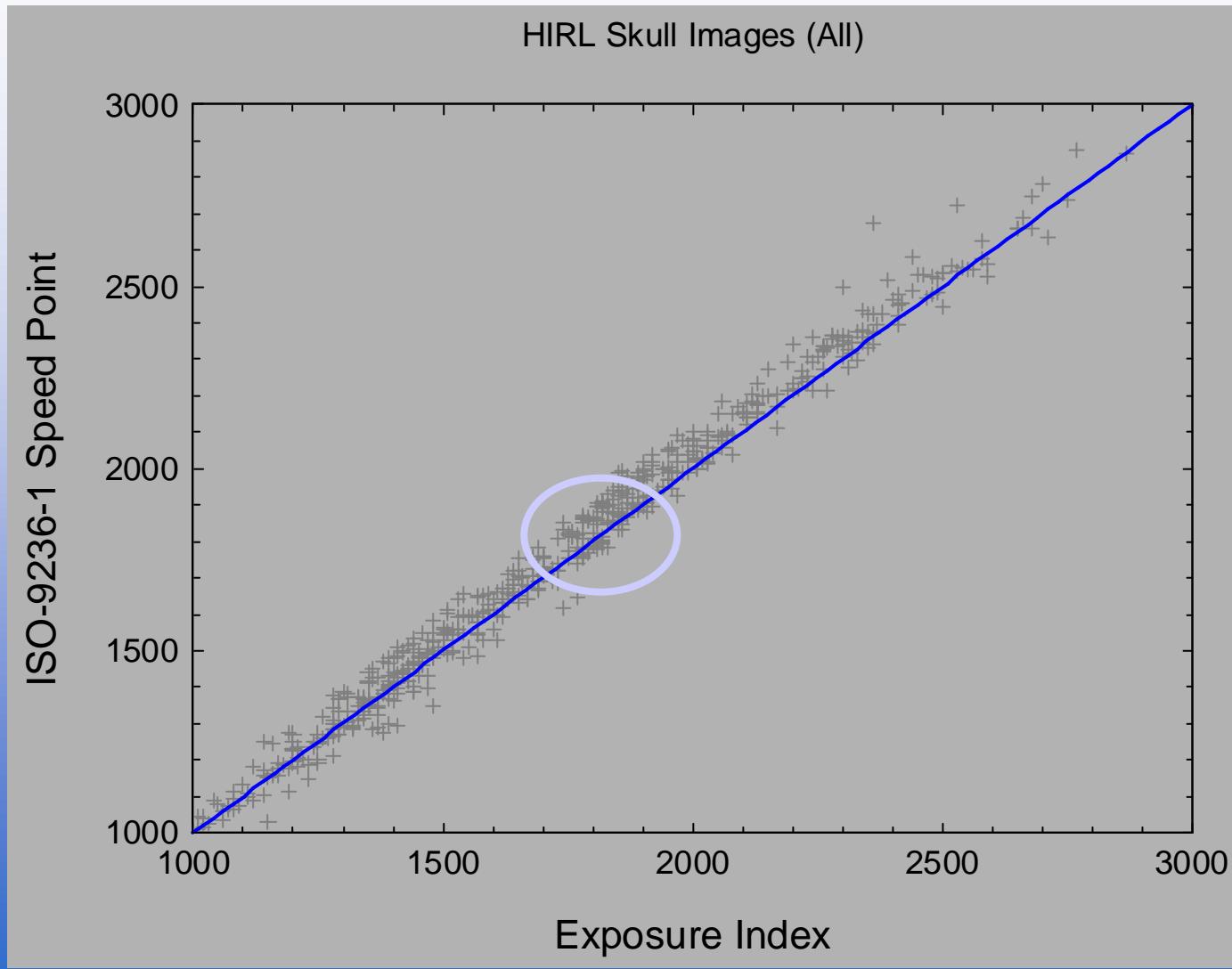


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# KODAK CR/DR E.I. - v.s. - Speed Points



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