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***Mastering Digital Radiography***

**Digital Radiography Overview**

* Digital Paradigm
* CR and DR – Variable KV’s
* Optimal KV’s
* CR Techniques Charts That Are Universal
* DR Detectors
* CR, DR and Film – The Differences
* Quick Proof That EI Numbers are Essential
* Exposure and Deviations Index’s – Old and New
* EI Ranges
* Changed Exposure Index (EI) Numbers
* Flat Screen Monitors

**Digital Radiography Necessities**

* The Ferlic Filter and Sliders Bags
* What Grid Cut-off now Looks Like!
* What does kV and Mas do?
* Critiquing Digital Image’s
* Level and Windowing
* Automatic rescaling
* Technique/Dose Creep
* mAs=Dose=EI
* 72” SID is the New 40’
* Exposure Distance Conversion Chart

**Adaptive Radiography**

* Upper Anterior Rib Series
* The “AP” Sternum
* Why a Lateral Chest is so Important

**Significant Experiments**

* QC with the P+Phantom
* AP Chest X-ray-Scatter, Dose and Background Radiation
* Off Focus Radiation
* How Much Radiation is Absorbed?

**Mastering Digital Radiography**

* Legal Controversies
* ASRT on Post Collimation Cropping
* What does it take for a Digital Universal Technique Chart to Work?
* How the Vendor Set Your System up
* Possibly Dropping Your EL ranges
* Universal Technique Charts for CR
* Lower Techniques are Scary and Hard to Believe
* How to Use the 4 Different Technique Charts
* Decrease Radiation Dose – 15% Rule with mAs
* Pinnacle Health Proves the Numbers
* How Low Can You Go?
* Universal Technique Charts for DR
* Differences Between All the Charts
* Doses Should be the Lowest Ever
* Inland Imaging
* Image Gently & Image Wisely Campaigns

 **~ Agenda Subject to Change ~**

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