



ARTEMIS

SHIELDING

Artemis Shielding

Presented by:

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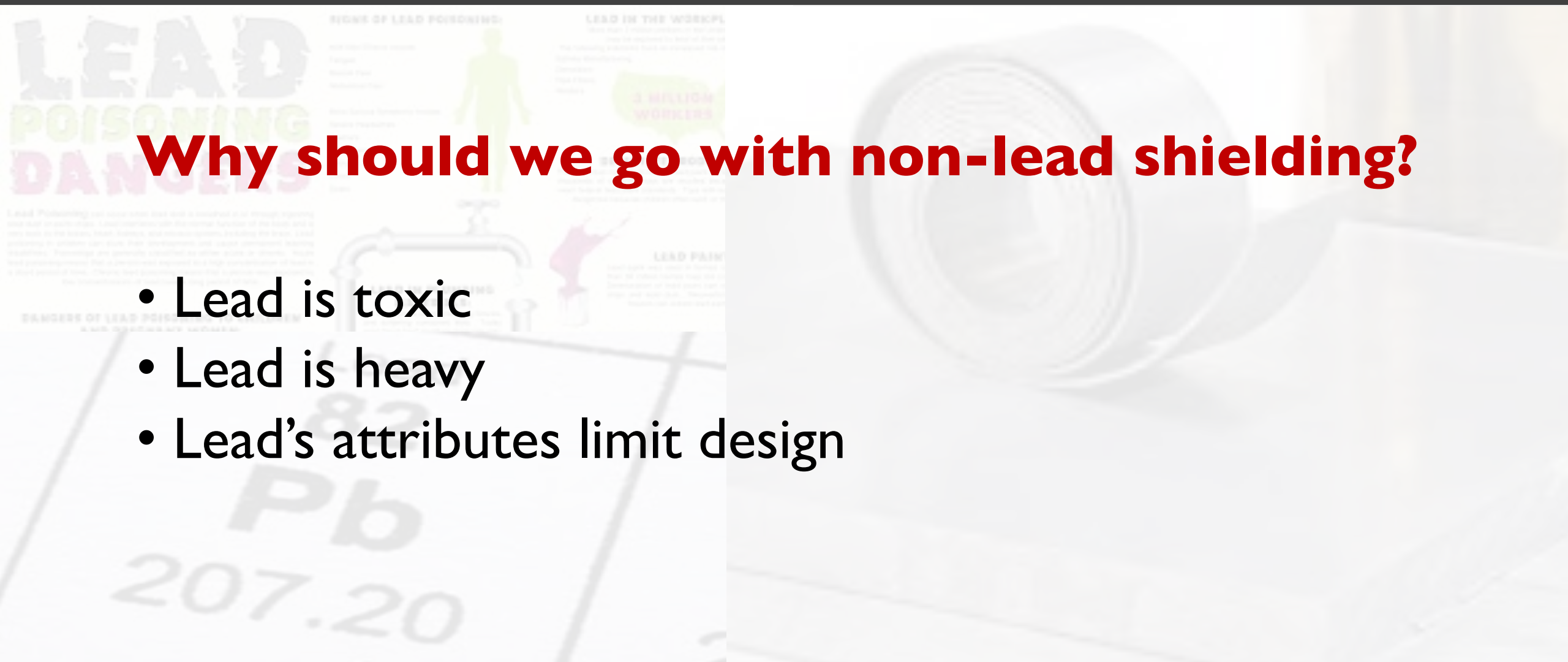
Versant Medical Physics & Radiation Safety

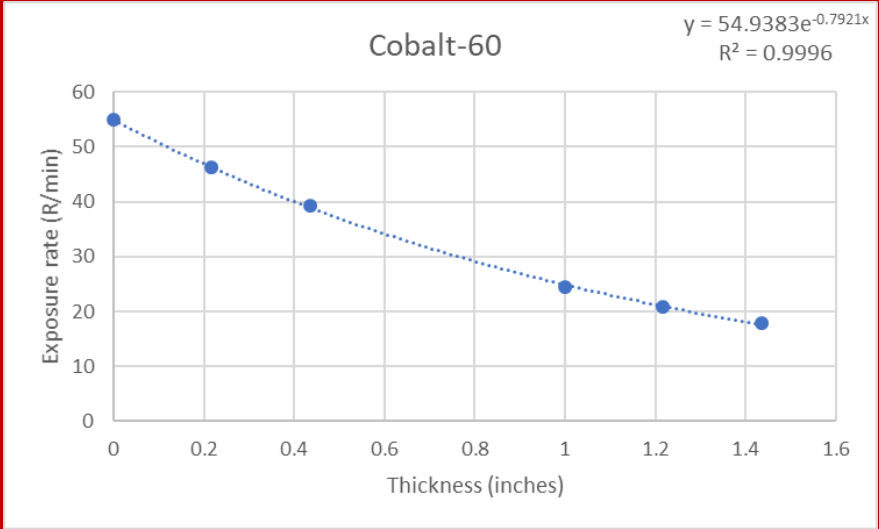
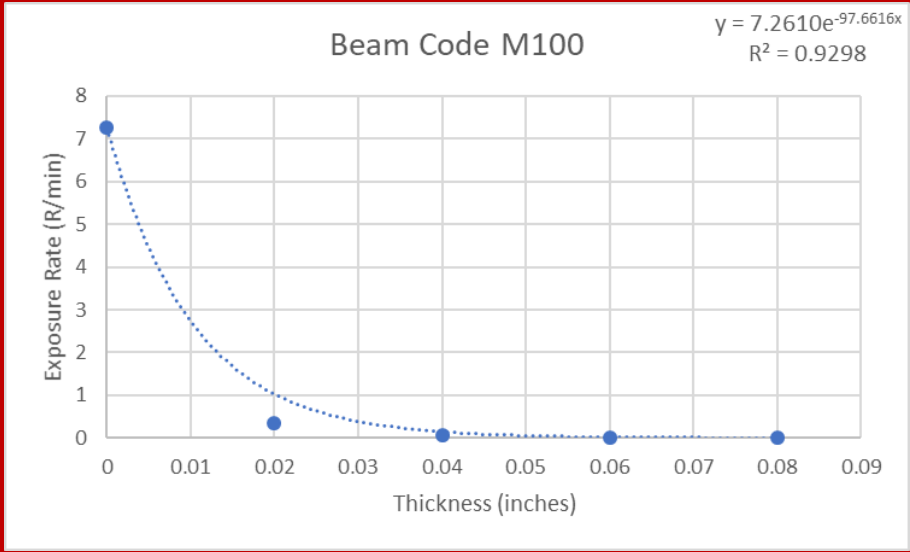
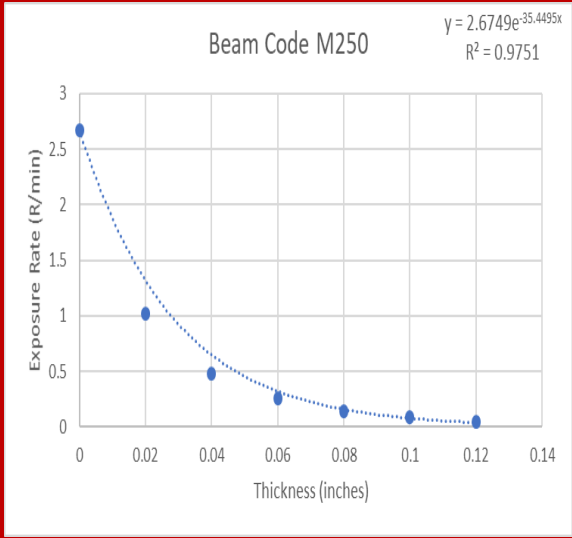
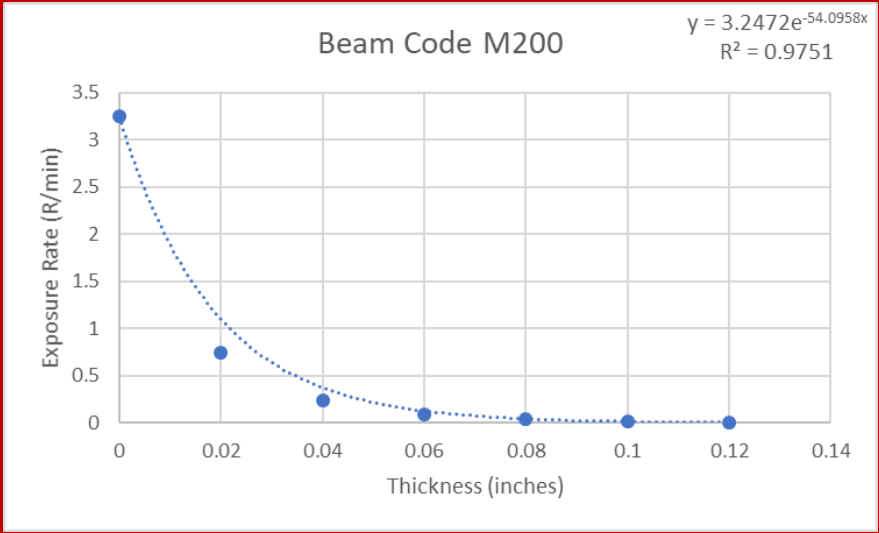
What is Artemis Shielding?

- Non-lead shielding products

Why should we go with non-lead shielding?

- Lead is toxic
- Lead is heavy
- Lead's attributes limit design





Calculations & Graphs

Results of Calculations

Nanotek has better attenuation properties than lead.



NANOTEK is lighter

Attenuation %

Model	80 kVp	90 kVp	100 kVp	120 kVp	Core Weight: LBS	Unisex Front Projection Apron Weight - Medium
NANOTEK RSM-80MFP	96.20%	95.90%	93.80%	91.00%	0.86	5.44 lbs.
NANOTECK RSM-100MFP	97.60%	97.10%	96.10%	94.40%	1.04	6.58 lbs.
NANOTEK RSM-120MFP	98.70%	98.00%	97.40%	96.30%	1.227	7.76 lbs.

Attenuation %

Model	80 kVp	90 kVp	100 kVp	120 kVp	Core Weight: LBS
.425mm Lead	95.10%	93.20%	92.50%	91.10%	1.24
.50mm Lead	97.00%	96.10%	95.00%	93.40%	1.45

NANOTEK

Lighter than the equivalent lead

- Save on shipping and installation costs
- Perfect for mobile X-ray and CT platforms

Safer

- Non-toxic
- No special equipment needed to install or remove



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Why NANOTEK?



- **Recycles**
- **Customizable**
 - Polymer based so, it can be molded
 - Polymer can be formulated to be more rigid or flexible
- **ASTM and IEC-certified**



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SAFETY & COMPLIANCE PACKAGES

Physics & Radiation Services

- Shielding Calculations
- Physics Checks
- State Requirements

NANOTEK Radiation Shielding Material

- Lead-free and non-toxic
- Lightweight shielding
- Recyclable material

Radiation Safety Program Consulting

- Dosimetry badges and management
- Training – Fluoro and custom options
- Ongoing support



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SHIELDING



**Lighter, more flexible
= comfort**



Veteran owned company in Fort Payne, Alabama

CEO: Buddy Lockwood, Retired Special Forces Operator

COO: Joe Priest, Retired Special Forces Operator

Chief Material Scientist: Dr. Paul Fenelon

Chief Medical Physicist (Consulting): Mrs. Sandy Konerth

For information on any of our products please visit www.artemisshielding.com or call (256) 979-1146.

Questions?

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