

The US Transuranium & Uranium Registries (USTUR): Learning from People Living Long, Healthy Lives with Body Burdens of Plutonium!

Anthony (Tony) C. James, Ph.D.
Director, USTUR
Research Professor, College of Pharmacy
WSU Tri-Cities Campus, Richland, WA

Joint Radiological and Nuclear Engineering Seminar, University of Cincinnati/Ohio State University, Tuesday, April 18th, 2006, 11:00 – 12:00.

Beginning in the 1960's with the mission of acquiring and providing precise information about the effects of transuranic elements in man, the USTUR has followed up to 'old age' almost 500 volunteers who worked at weapons sites and received measurable internal doses. Most of our 120 living Registrants were exposed in the 1950s or 60s, and their average age is now 83 ± 4 y.

Dr. James will touch on these areas in which new or additional information is being gained at the USTUR:

- Validation of new 'field' methods for assessing 'realistic' tissue doses in individual cases.
- Quantification of individual variability in actinide biokinetic behavior and resulting tissue doses – based on our existing 25 whole-body donations and 16 active whole-body Registrants.
- Human, experienced-based predictive model of the effectiveness of chelation therapy.
- Reality check on how well our plutonium workers were protected in the early years of the nuclear industry.
- Reality check on the 'claimant favorable' assumptions made in adjudicating EEOICPA compensation claims.
- Limitation check on litigation plaintiffs' claims that reference models of actinide tissue doses are too unreliable to have any meaning.

For more information, please contact Dr. Sam Glover, NIOSH/OCAS, Cincinnati, OH, seg3@cdc.gov, (513) 533-6829.

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