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Clinical Outcomes of Chelation Therapy
Conflicts of Interest

No conflicts of interest reported.
Method of Ca/Zn-DTPA Chelation

- Modification of chelation designed for radioactive actinide metals:
  - 1L normal saline bag.
  - Initially slow saline infusion for 30 minutes then sped up infusion for remaining 1 hour.
  - 2.5ml iv Ca-DTPA at time 0 by iv; then 2.5 ml at time 80 minutes.
  - Patient instructed to keep up high oral fluid intake.
  - 24hr urine collection started at time of completion of chelation.
  - The following day same steps repeated with Zn-DTPA.
Gd content increased in the urine, with an overall mean of 30.3-fold increase in the monthly regimen ($P < 0.001$)

Gd content increased in the urine, with an overall mean of 12.9-fold in the weekly regimen ($P < 0.001$)

Increase Gd seen with Linear GBCAs

Increase Gd also seen with Macrocyclic CGBCAs
Overall, symptoms improved in 13 patients, unchanged in 10, and worse in 2 (n=30).

Significant clinical improvement was present for:
- headache, brain fog, and bone pain for the monthly regimen;
- arm pain and leg pain for the weekly regimen.