## Monte Carlo Simulation of the Dose from Radiosynoviorthesis Using

## Sn-117m, Er-169, and Re-186 Including Stochastic Macrophage Motion

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## Session Title: Monte Carlo Simulation and High-Performance Computing

**Radiosynoviorthesis** is the treatment of arthritic joints using radionuclides. Currently, Er-169 and Re-186 are used for small- and medium-sized human joints, respectively. These simulations suggest that Sn-117m could replace both Er-169 and Re-186 in these joints.

