



FIGURE 9 Three radium retention functions are plotted for comparison.

one that is higher than a result obtained from the Norris function. Thus, the low-level cases have been found to have higher initial systemic intakes and doses than previously thought.

Lucas and Keane (unpublished data) extended this analysis so that correct intake values could be calculated for cases with large radium intakes, where radiation damage results in slower losses of radium at long times after acquisition. These techniques have produced corrected initial systemic intakes for all of the measured radium cases; these new values have been used in this report. The values are summarized in the appendix, which lists all of the measured radium cases.

### The Center for Human Radiobiology

The formation of the CHR in 1969 brought many changes to the RPY Division. So many papers were submitted for the annual report that separate