Fig. 2 Secondary effects of three kinds of shielding materials, PMMA, polythylene (PE), and aluminum.

References

3 - 97 Anti-radiation Effects of Angelica Polysaccharide

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The root of *Angelica sinensis*, also known as “Danggui”, was a popular herbal medicine and widely used in China for gynecological diseases for a long time. In the last few years, polysaccharides as one of the main compounds in *Angelica sinensis* have also attracted much attention. *Angelica polysaccharide* belongs to the ‘activating blood and dissolving stasis’ kind of traditional Chinese medicine. It has many kinds of effect, include improving blood system, promoting immune system and anti-tumour.

We investigated the effect of *Angelica polysaccharide* protected normal human cells from X-rays. Human embryonic lung fibroblast cell line (MRC-5) treated with different concentrations of *Angelica polysaccharide* extracts were evaluated after treatment with X-rays by MTT assay. Control group were not treated with X-rays.

The result shows that X-ray radiation reduces the number of surviving cells. However, with treatment of *Angelica polysaccharide* before radiation, the reduction of surviving cell number is significantly depressed.

References