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^{111}In (III) uptake by inflammatory and normal tissues

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Tissue distributions of ^{111}In (III) in the rats bearing granuloma, inflammatory tissue induced by turpentine oil, were compared with those of ^{67}Ga. The results showed that indium-111 resembles ^{67}Ga in the manner of uptake by inflammatory and normal soft tissues. The effect of cold-$InCl_3$ on ^{111}In (III) uptake showed that transferrin is not involved in the uptake of ^{111}In (III) into inflammatory tissues but is involved in the uptake into liver and spleen.

Key words: ^{111}In (III) uptake, Inflammatory tissue, Transferrin