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A technique to make a shielding of uranium for transport of the radionuclide Mo-99

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The transport of radionuclides to use in the nuclear medicine needs some care in such way that people will be safe. For this, it is used any security measures. One of this is shielding of heavy materials such as uranium, technetium and lead. This work talks about the process of choosing uranium as a shielding material for radionuclides such as Mo-99, used in the manufacture of technetium generators for the diagnosis of cancer and other diseases, as well as the processes used to assemble the shield.