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RADIOPAQUE POLYMER FOR ANATOMICAL CORROSION PREPARATIONS

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DISCLOSURE

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Corrosive anatomical specimens are widely used in education and research. 3D models allow to visualize intraorgan blood and lymphatic vessels, bronchial tree, cavities of hollow organs etc. Morphology of organs and tissues could be studied using macroscopic analysis or radiography. Adding colour and further colour differentiation of the structures makes possible to show diversifications of arteries and veins or other hollow structures such as bile and urinary tract, trachea, bronchi, and digestive organs.

The presented radiopaque polymer composition for the creating of corrosive anatomical specimens contains a polymer, a liquid component, a radiopaque agent, a dye, which differs in that the powder "Protacryl M" is used as the polymer, the liquid "Protacryl M" is used as a liquid component, in as a radiopaque agent - barium sulfate, as a dye - a universal dye, with the following ratio of ingredients in wt. %: powder agent "Protacryl M" 30-50; liquid agent "Protakryl M" 10-30; barium sulfate 10-30; universal dye 10-30.

30-50%

10-30%

10-30%

10-30%

X-ray

Corrosive preparation

The presented polymer X-ray contrast composition for the creating corrosive anatomical specimens is effective, economical, technological, safe, affordable, and stable. The claimed formula makes it possible to produce radiopaque corrosive specimens of internal organs and their parts of humans and animals in health and disease. The presented composition is used in morphological departments. Approbation in the conditions of the Department of Human Anatomy of medical institutes, Chechen State and Penza State Universities has confirmed its effectiveness and reliability.

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CERTIFICATE OF ATTENDANCE

This is to certify that

Ilia Miltykh

has attended

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