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Technologists Poster Session 4

Tuesday October 13, 2009 08:00h - 09:30h
Room: Hall 117

TP094 A software for automatic calculation of ^{99m}Tc -MAA dosage

08:54h -
08:57h

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Introduction: In the day-to-day practice of a radiopharmacy it is necessary to calculate the number of particles and the activity in a dose of ^{99m}Tc -MAA, because the concentration of particles is constant in time but the radioactive concentration decrease. The calculation of these parameters is not too complex, but it is annoying and time-consuming. **Objective:** The goal of this project is to develop a form to calculate number of particles in a dose of ^{99m}Tc -MAA and other parameters in the labelling of MAA. **Materials and methods:** For developing a form incorporating these calculations we have used Visual Basic 6.0 and Visual Studio Installer. **Results:** We have developed a form for automatic calculation of number of particles, volume and activity of doses, labelling volume and labelling activity in ^{99m}Tc -MAA preparations. This form is included in a software called Nucleolab, which is freely available at <http://serfa.radiofarmacia.org/?m=27> **Conclusion:** This new software have an easy-to-use interface that makes the calculation complexity of ^{99m}Tc -MAA preparations completely hidden for the user, saving you the time that you previously spent on these laborious calculations and reducing the risk of error.

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