

Introduction to Biomedical Engineering, Homework on nuclear medicine

Hsiao-Wen Chung, Ph.D.

2003/12/2

Write down or type your answers on A4 sheets, double-spaced, with 12-pt font size. Graphs and references are welcome. Due 2003/12/16. Hand in together with the homework on X-ray techniques given to you last week.

1. Briefly describe the hardware system for a gamma camera (Anger camera). Give you answer in less than two pages.
2. Describe the functional mechanism of a “wet” ^{99}Mo - $^{99\text{m}}\text{Tc}$ generator and the elution process in less than one page.