



Influence of Orange Peel Extract on Male Chickens' Reproductive Systems to Lessen Gamma-Ray-Induced Oxidative Damage

Qusay Kh. Al-Dulamey¹ & Abdalrahman Al-Salihi^{2,*}

¹Medical Physics Department, College of Science, Mosul University, Mosul, 00964, Iraq

²Department of Basic Sciences, College of Dentistry, University of Basrah, Basrah, 00964, Iraq

*Corresponding author E-mail: abdalrahman.hassan@uobasrah.edu.iq

<https://doi.org/10.29072/basjs.20250314>

ARTICLE INFO

ABSTRACT

Keywords

Cocks; Dose rate;
Gamma radiation;
Semen size; Sperm

The study aims to determine the effects of oxidative damage caused by gamma radiation on adult chickens reproductive system. The overall sperm is (1×10^6 cells per ejaculation) rather than concentration in (1×10^6 cells per ml.). The data of cock chicken semen size, concentration of semen, and most sperm rose considerably respect to increasing the old,