



THE UNIVERSITY OF MELBOURNE MD STUDENT CONFERENCE **PUZZLES**

MDSC Puzzles 2025 Pathway 4, Subject 4: Radiotherapy

This radiation source produces, in the following order: an alpha particle, a positron, an electron, two further alpha particles, another electron, and two positrons.

Reactants

- A factor that prevents or delays a patient's timely discharge
- Cell newly released by bone marrow
- Electives
- Enzyme often confused with one produced by the kidneys
- F, W, and Y are these types of amino acids
- Father of epidemiology
- HMG-CoA reductase inhibitor
- Relating to a seizure

Products

- A heterozygous individual that possesses a recessive gene mutation but does not express the associated trait or disease
- Bitter substance in wine
- Bright spots on magnetic resonance imaging
- Common symptom of obstructive sleep apnoea
- Immature ovum
- Referring to the "roof" of the midbrain
- Suffix often contrasted with -cidal in the context of antimicrobial mechanism of action
- This type of pain is typically sharp, localised, and well-defined