## Calcium ion Dynamics in Muscle Damage: Role of Ryanodine Receptor



Calcium ion (Ca<sup>2+</sup>) dynamics and its regulation in the regional selective muscle damage post-ECC:

1 The appearance of "leaky" RyR 2 Site-specific heterogeneous Ca<sup>2+</sup> accumulation

O Mitochondria translocation and accumulation adjacent to the region undergoing damage and sequestering Ca<sup>2+</sup>

Tabuchi, Ayaka; Poole, David C.; Kano, Yutaka. Intracellular Ca2+ After Eccentric Muscle Contractions: Key Role for Ryanodine Receptors. Exercise and Sport Sciences Reviews 53(1):p 23-30, January 2025. | DOI: 10.1249/JES.00000000000348.

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