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Title: Distribution of platelets, recovery and concentration of platelets and leukocytes in l-PRP prepared by centrifugation

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DISTRIBUTION, RECOVERY AND CONCENTRATION OF PLATELETS AND LEUKOCYTES IN L-PRP PREPARED BY CENTRIFUGATION

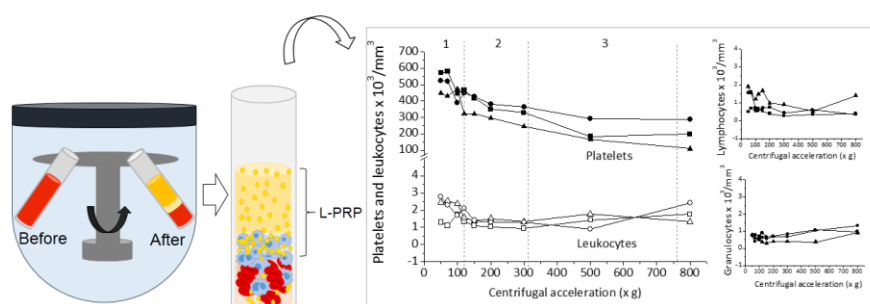
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Graphical abstract



Leukocyte and platelet-rich plasma (L-PRP) composition can be modulated by centrifugal acceleration.

Highlights

- Preparation of L-PRP by centrifuging the whole blood at different accelerations.
- Erythrocyte behavior influenced the distribution of platelets and leukocytes in the blood layers.
- Lower accelerations favored the location of platelets in the upper layer and leukocytes in the bottom layer.
- Leukocytes concentrated only after a second spin step.
- Three specific platelet/leukocyte and lymphocyte/granulocyte ratios were set from different acceleration ranges.

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