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Mishra

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(54) **METHOD OF PREPARING NEUTROPHIL-DEPLETED PLATELET-RICH PLASMA**

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See application file for complete search history.

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(57) **ABSTRACT**

Methods of producing neutrophil-depleted platelet-rich plasma by passing a blood, platelet or platelet-rich plasma fraction through a narrow, twisted and/or charged environment to remove neutrophils and produce neutrophil-depleted platelet-rich plasma is described. The neutrophil-depleted platelet-rich plasma may be depleted in neutrophils by 75% or more and includes at least 0.5×10^6 platelets per ml. The pH of the neutrophil-depleted platelet-rich plasma may be adjusted to 7.3-7.5.

16 Claims, 7 Drawing Sheets