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Title: Blood coagulation and platelet adhesion on polyaniline films

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1 **Highlights:**

2 Hemocompatibility of polyaniline films was determined for the first time.

3 Pristine polyaniline and polyaniline modified by PAMPSA was studied.

4 Pristine polyaniline don't influence neither coagulation nor platelet adhesion

5 Films reprotonated with PAMPSA hindered coagulation and platelet adhesion.

6 This effect was caused by interaction of films with coagulation factors X, V and II.

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