

## Premature circuit clotting during blood purification therapy with oXiris membranes: an observational multicenter study.

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**Objective:** To identify clinical features associated with premature circuit clotting during acute renal replacement therapies performed with an Oxiris hemodiafilter



**Methods:** Prospective, multicenter, observational study performed on data recorded into the oXirisNet Registry ([www-arrrt.eu](http://www-arrrt.eu)).



**PaO<sub>2</sub>/FiO<sub>2</sub> ratio**

**Serum Procalcitonine**

**Haematocrit**

**Results:** Patient's prescribed anticoagulation, paO<sub>2</sub>/FiO<sub>2</sub> ratio, serum procalcitonin, and haematocrit were demonstrated to be independent predictors for circuit clotting.

**Conclusion:** The incidence of premature clotting among critically ill patients treated with heparin-coated hemodiafilters is 18.6%. Higher patients' haematocrit and no-anticoagulation strategies were associated with this phenomenon. Those patients who experienced premature filter clotting were characterized by a less important decline in SOFA score and less important organ function recovery.

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