

A retrospective comparison study of Amicus, Optia and COBE Spectra for therapeutic plasma exchange

Amicus Separator

Amicus was shown to effectively perform plasma exchange procedures^{1,2}

The Amicus and Optia had similar plasma removal efficiency³

The Amicus used a lower volume of anti-coagulant when compared with the Optia, on average¹



Study Parameters¹

- Retrospective study using Amicus, Optia and COBE Spectra
- 7 patients (5 male, 2 female)
- Data was collected to analyze plasma removal efficiency, volume of anticoagulant used and adverse events (defined as AE's that required to stop the PE procedure before finishing)

Key Outcomes¹

- The Amicus device could effectively perform therapeutic plasma exchange procedures
- Amicus and Optia were similar in plasma removal efficiency and were statistically superior to Spectra
- The Amicus device, on average, used a lower volume of anticoagulant
- No adverse events were reported

Table 1

Amicus demonstrated effective plasma removal¹

	Amicus (N=18)	Optia (N=44)	Spectra (N=14)
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Plasma removal efficiency	79.8% (+/-8.2)*	82.9% (+/-5.7)	70.3% (+/-8.1)
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* p = 0.001 vs Spectra; One-way ANOVA test and Bonferroni test.

PRE = Plasma removal efficiency= Plasma Removed / (Plasma Processed + Anticoagulant)

Table 2

Amicus used a lower volume of anticoagulant, on average¹

	Amicus (N=18)	Optia (N=44)	Spectra (N=14)
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Anticoagulant used	542 mL (+/-196)	687 mL (+/-120)	647 mL (+/-111)
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Source

1. Cid J et. al. Comparison of plasma exchange procedures using three apheresis systems. Transfusion. 2014, DOI: 10.1111/trf.12948
2. FRCP 0210 Post Hoc Patient Platelet Loss TPE Clinical Trial Data, April, 2014
3. Winters JL et al. A multicenter evaluation of a new therapeutic plasma exchange procedure. Transfusion. 2013 Dec;53(12):3269-78

This marking reflects compliance with the applicable CE Marking requirements for medical devices.



Refer to Amicus Operator's Manual for a full list of warnings and cautions associated with the use of the Amicus device.