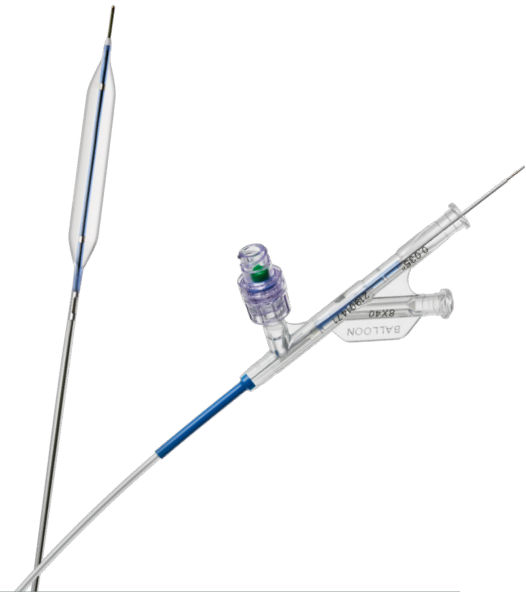# Comparison study

Chameleon™ PTA Balloon Catheter

Crawford J, Gasparis A, Kim P, Jotwani M, Banerjee S, Labropoulos N. Procedural comparison of a standard PTA balloon for fistula and graft maintenance procedures with the novel Chameleon™ PTA balloon catheter. Journal of Vascular Access. 2020.

The Chameleon™ PTA balloon catheter can reduce procedure time, fluoroscopy time, and contrast volume.[1] This could help provide a more efficient procedure with simpler, more intuitive solutions that combine angioplasty and imaging in one device.

	Group A (n=34)	Group B (n=34)	Difference in Groups	Stat. Sig. (p-value)
Procedure Time	11.7 min	7.7 min	34.2%	0.0008[†]
Fluoro Time	118.4 sec	85.6 sec	27.7%	0.0180[†]
Contrast Volume	30.6 mL	15.9 mL	49.1%	0.0001[†]

Comparison of outcomes between a standard PTA balloon (Group A) and the Chameleon™ PTA balloon **Group B)**

Patient statistics

Sample Size (n) = 68

Group A = 34 (Standard PTA balloon)

Group B = 34 (Chameleon™ PTA balloon)

- No significant gender differences between groups
- Comorbidities were similar to national rates in both groups (hypertension, coronary artery disease, and diabetes)

34.2%
Procedural Time Reduction[1,†]

27.7%
Fluoro Time Reduction[1,†]

49.1%
Contrast Volume Reduction[1,†]

† Statistically significant using multiple regression controlled by lesion location and length in comparison to standard procedure

1. Crawford J, Gasparis A, Kim P, Jotwani M, Banerjee S, Labropoulos N. Procedural comparison of a standard PTA balloon for fistula and graft maintenance procedures with the novel Chameleon™ PTA balloon catheter. J Vasc Access. 2020.

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