

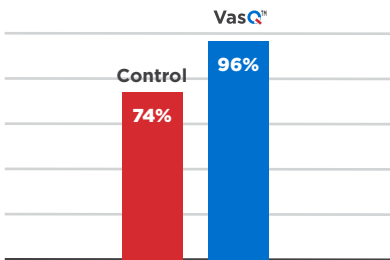


# AVFs Demonstrated Consistently High Usability\* Rates

Results from multiple studies evaluating usability of the VasQ AVFs

## Maturation & Usability Outcomes From VasQ<sup>™</sup> Controlled Studies

**Maturation at 1 month**  
(p = .044)

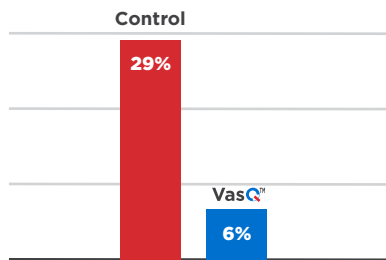


**Benedetto<sup>1</sup>**

24 Control v 25 VasQ<sup>™</sup> RCF

Maturation was defined as an AVF with flow rate >5ml/min and a vein diameter >5mm or a successful fistula use with two-needle cannulation

**Primary Failure at 3 months**  
(p = .025)

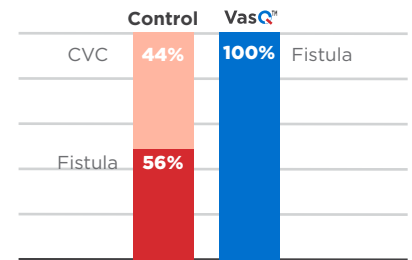


**Shahverdyan<sup>2</sup>**

17 Control v 33 VasQ<sup>™</sup> RCF

Primary Failure was defined as an access that cannot be used by the third month following creation per ESVS Guidelines

**AVF Usability at 6 months**  
(p = .01)



**Karydis<sup>3</sup>**

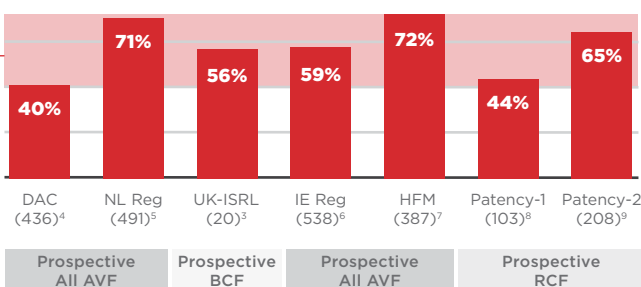
20 Control v 20 VasQ<sup>™</sup> BCF

AVF Usability was defined as successful 2-needle cannulation of patent fistula for two-third or more of all dialysis runs for 1 month

## Summary of Usability Data for VasQ<sup>™</sup> & Standard AVF Creation

**Standard AVF Usability\***

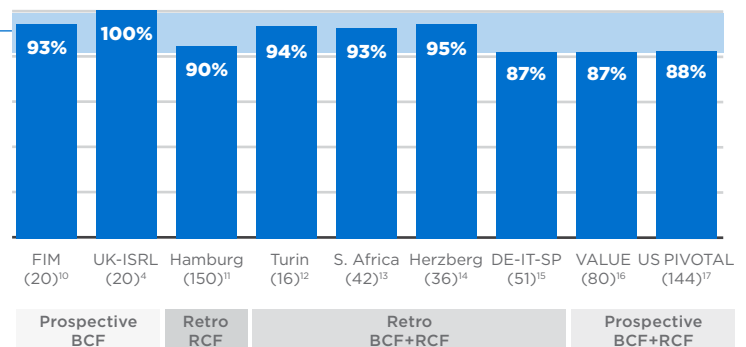
**40% - 72%**  
**n = 2,183 (7 studies)**



Study - Design (n)

**VasQ<sup>™</sup> Usability\***

**87% - 100%**  
**n = 559 (9 studies)**



Study - Design (n)

\*Usability was generally defined as confirmed use of the AVF to deliver dialysis although some studies required evidence of multiple uses over a set time period

- Benedetto et al. J Vasc Access 2021 (Online)
- Shahverdyan et al. J Vasc Access 2021;22(2):166-172
- Karydis et al. Am J Kidney Dis 2019;75(1):45-53
- Dember et al. JAMA 2008;299(18):2164-2171
- Huijbregts et al. Clin J Am Soc Nephrol 2008;3:14-719
- Masengu A, et al. Clin Kidney J 2016 Feb;9(1):142-7
- Allon, et al. Am J Kidney Dis 2018;71(5):677-689
- Bleyer et al. J Vasc Surg 2019;69:507-15
- Peden et al. J Vasc Access 2021 (Online)

- Chemla et al. J Vasc Access 2016; 17(3):243-248
- Shahverdyan et al. Seminars in Dialysis 2022 (Online)
- Leonardi et al. J Vasc Access 2021;22(4):658-665
- Publications in progress. Data on file with Laminata.
- Swiecka, Zippel, Storck GMS 2021
- Shahverdyan et al. J Vasc Surg 2022;75(1):248-254
- Karydis, Mallios, Mestres, Matoussevitch VAS 2021
- Dillavou, Ozaki, Hentschel, Lucas VIETH 2021

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