EVIDENCE-BASED NEXUS TKO ANTI-REFLUX NEEDLELESS CONNECTOR
BIBLIOGRAPHY AND SUMMARY OF DATA

Acute Care Publications	**PICC/CVC**	Ayers 2015 (tPA and Infection reduction) Jasinsky 2008, 2009 (Occlusion and tPA reduction) Steere 2015, 2018 (tPA, CLABSI, Supply/Heparin reduction/Cost savings)
	PIV	Jasinsky 2008, 2009 (Improved dwell time, decreased phlebitis, savings) Steere 2018 (Improved dwell time, reduced occlusions, savings)
	Midline	Hitchcock 2016 (Reduced Occlusions and tPA usage) Valentino 2015 (Improved dwell time and blood sampling)
Home Infusion Publications	**Home Infusion**	Harwood 2015 (Reduced tPA usage and cost savings) Shomo 2014 (Reduced tPA usage and cost savings)
White Papers/Presentations	**PICC/Midline**	Mitch 2007 (Reduced Occlusions) Maurer 2016 (Reduced Occlusions and Improved Dwell Time)
In Vitro Lab Studies	**Laboratory**	Hull 2015, 2017 (Zero Blood Reflux) GLP-Lab Studies (Product Performance)

1	Ayers, H. Successful CLABSI Reduction Strategy. UF Health Shands. Poster Presentation. Dallas, TX AVA 2015. Link to Study
2	Harwood, P. Reduction in Catheter Occlusion in home infusion by implementing an anti-reflux needleless connector. Phoenix, AZ. NHIA. 2015. Link to Poster
3	Hitchcock, J. Preventing Occlusion in Peripherally Inserted Central Catheters. British Journal of Nursing 2016. Vol. 25. No.19. Pg s12-s18. Link to PubMed Abstract
4	Hull, G. Quantitative Assessment of Reflux in Commercially Available Needless IV Connectors. NHIA 2015.
5	Hull, G. Moureau, N. Sengupta, S. Quantitative Assessment of Catheter Reflux in Commercially Available Needless IV Connectors. *J Vasc Access*. December 2017. Link to Study
6	Hull G. Sengupta S., Quantitative Assessment of Catheter Reflux in Commercially Available Needleless Connectors. INS 2015. Link to Poster
7	Jasinsky, L. Wurster J. Occlusion Reduction and Heparin Elimination Trial Using an Anti-Reflux Device on Peripheral and Central Venous Catheters. AVA 2008.
8	Jasinsky, L. Wurster J. Occlusion Reduction and Heparin Elimination Trial Using an Anti-Reflux Device on Peripheral and Central Venous Catheters. *Journal of Infusion Nursing.* 2009. 32(1):33-39. Link to Study
9	Mitch, S. Brandmeyer, B. PICC and Midline Catheter Occlusion Rates: A prospective study comparing the Interlink Split Septum Device versus Nexus TKO split septum pressure activated anti-reflux valve. White Paper 2007. Link to Study
10	Shomo, J. Reynolds, C. Anti-reflux technology reduces catheter consumption and provides significant cost savings. INS. 2014.
11	Steere, L. Reduction in Central Venous Catheter Infections and Occlusions: Examining the Clinical Impact of a Pressure Activated Anti-Reflux Connector. AVA 2015. Link to Poster
12	Steere, L. Lean Six Sigma for Intravenous Therapy Optimization: A Hospital Use of Lean Thinking to Improve Occlusion Management. *JAVA*. March 2018. Vol 23 No 1. Pg. 42-50. Link to Study
13	Steere, L. Sullivan, D. Reduce PIVC Complications and Costs Using the Five Rights Approach A Randomized, Controlled Trial. Columbus, OH. AVA 2018. Link to Poster
14	Valentino, R. Farkas, V. Maximizing the Midline. Poster Presentation. Dallas, TX. AVA 2015. Link to Poster
15	GLP-Lab Study. Nexus TKO®-6P: Mechanical Hemolysis Study. Data on File, Nexus Medical. Link to Memo

16	GLP-Lab Study. Nexus TKO®-6P: 96-Activation Microbial Barrier Performance Study. Data on File, Nexus Medical. Link to Memo
17	GLP-Lab Study. Nexus TKO®-6P: Blood Clearance Study. Data on File, Nexus Medical. Link to Memo
18	ISO 594 – Primary Standard for Luer Fittings. Septum Insertion Force Study of Nexus TKO®-6P Septum and other Market Leading Needleless Connectors. Data on File, Nexus Medical.
19	ISO 594 – Primary Standard for Luer Fittings. Luer and Locking Thread Comparisons: Dimensional Study of Nexus TKO®-6P and other Market Leading Vascular Access Devices. Data on File, Nexus Medical.
20	Nexus TKO®-6P: Technical Specification. Nexus Medical 510(k): K130416. Link to FDA Premarket Notice
21	Nexus TKO®-6P: Biocompatibility & Chemical Compatibility Technical Specification. Nexus Medical 510(k): K130416. Link to FDA Premarket Notice