



STUDY	STUDY METHOD	SERVICE MODEL	NUMBER	DEVICE BRAND	DEVICE TYPE	CLINICAL OUTCOMES	ECONOMIC IMPLICATIONS
National University Health System (Ong et al. 2010 JVIR)	Prospective Randomized Trial	IR Based	392 Catheters	Vaxcel with PASV Valve Technology, Bard—Groshong	Proximal Valved vs. Distal-Valved PICCs	Statistically significant diff. in phlebitis & CR-BSI in favor of proximal valve at >50%	Associated costs of CR-BSI's
Vanderbilt University (Burns D. 2005 JAVA)	Retrospective Analysis	IR Based	12,500 PICC Placements	Multiple	Proximal Valved vs. Non-Valved PICCs	Fewer Occlusions: 1.4 % vs. 6.3% Fewer Infections w/ Proximal Valve: 4.2 % vs. 5.5%	Reductions in: Occlusions Infections
Baylor University (Carlo, JT, et al. 2004 AJJ)	Prospective Randomized Trial	Department of Surgery	73 Port Placements	PASV Valve Technology, BardPort	Proximal Valved vs. Non-Valved Ports	47% Reduction in inability to draw blood; 51% reduction in nursing time; 35% reduction in tPA usage	\$263 net maintenance cost savings per port
Harborview Medical Center (Hoffer, EK, et al. 2001 JVIR)	Prospective Randomized Trial	Department of Radiology	100 PICC Placements	PASV Valve Technology, Groshong	Proximal Valved vs. Distal Valved PICCs	"There was a marked difference in durability." 35.4% Groshong Catheters Fractured	Noted "trend for fewer occlusive and infections complica- tions with the proximal valve catheter."
Harborview Medical Center (Hoffer, EK, et al. 1999 Am Jrnl Roentgenol)	Prospective Randomized Comparison	Department of Radiology	362 PICC Placements	PASV Valve Technology, Cook—NonValved	Proximal Valved vs. Non-Valved PICCs	50% Reduction in oclussion/infection w/ Proximal valve	Reductions in: Occlusions Infections

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