

Ultrasound guidance has emerged as a potentially beneficial method for obtaining central venous access in children and is being applied to smaller and smaller infants” Dambkowski et al (2015).

Abstract:

As medical and surgical interventions to support premature infants have evolved, the need for long-term vascular access in extremely low birth weight infants has increased. The classic approach to Broviac® (C.R. Bard, Covington, GA) catheter placement in very small neonates has been through an open surgical cutdown technique. Ultrasound guidance has emerged as a potentially beneficial method for obtaining central venous access in children and is being applied to smaller and smaller infants. This case series reports the feasibility of using ultrasound-guided percutaneous vein access to obtain a long-term central venous line in three extremely low birth weight infants who all weighed less than 850 g at the time of line placement.

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Reference:

Dambkowski, C.L., Abrajano, C.T. and Wall, J. (2015) Ultrasound-Guided Percutaneous Vein Access for Placement of Broviac Catheters in Extremely Low Birth Weight Neonates: A Series of 3 Successful Cases. Journal of Laparoendoscopic & Advanced Surgical Techniques. August 19th. .

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