AMPLATZER PICCOLO™ OCCLUDER

CLOSING TODAY'S PDAs. OPENING TOMORROW'S BIG POSSIBILITIES.

PROVEN PDA CLOSURE FOR PATIENTS 700 GRAMS AND UP.





PATENT DUCTUS ARTERIOSUS (PDA)

A SIGNIFICANT CHALLENGE

Constriction of the ductus arteriosus is a critical step in postnatal circulatory transition. If the ductus remains open, Patent Ductus Arteriosus (PDA) occurs, resulting in leftto-right shunting that can create significant challenges, especially in premature infants. Challenges include:

- Pulmonary over-circulation in lungs that are already under duress¹
- Systemic hypoperfusion¹

A COMMON OCCURRENCE

- A PDA is present in approximately 1 in 2,000 newborns¹
- The incidence of PDA in preterm babies is considerably higher (20-60%)²
- For low birth weight infants (< 1,200g), PDA incidence is > 80%²

UP TO 60% THE INCIDENCE OF PRETERM PDA²



>50% PDAS REMAIN OPEN AT 3 WEEKS FOR INFANTS <1,000g¹⁰

SURGICAL LIGATION LIMITATIONS

While surgical ligation has been performed extensively with high closure rates, studies indicate significant procedural complications. Data shows 32% of premature infants required inotropes following PDA ligation.³ Other risks associated with PDA ligation include:

- Bleeding, infection⁴
- Neurodevelopmental delay⁴
- Recurrent laryngeal nerve injury (vocal cord paralysis)^{5,6}
- Injury to lymphatic vessels (chylothorax)^{6,7}
- Post ligation cardiac syndrome (hemodynamic compromise post procedure)⁸

"Use of surgical ligation, however, was significantly associated with the development of chronic lung disease and was independent of immature gestation, other patent ducts arteriosus related variables, or other perinatal and neonatal risk factors known to be associated with chronic lung disease."

-CHORNE N, ET AL. PEDIATRICS. 2007; 199;1185.9





AMPLATZER PICCOLO™ OCCLUDER

A NEW LEVEL OF VERSATILITY AND PROVEN SAFETY FOR THE YOUNGEST INFANTS AND UP.

As the only PDA closure solution indicated for premature infants \geq 700g + \geq 3 days old and proven to deliver safe and effective closure, Amplatzer Piccolo[™] Occluder offers new opportunities to care for a wider range of patients than ever before.

BUILT ON THE EXTENSIVE AMPLATZER™ LEGACY OF SAFETY AND EFFICACY

- Pioneered transcatheter occlusion
- Over 1.25 million devices implanted worldwide¹¹
- More than 20 years of clinical experience

CLINICALLY PROVEN OUTCOMES.

A recent study using the Amplatzer Piccolo[™] Occluder for PDA closure demonstrated safety and effectiveness with a low rate of major complications and a high rate of PDA closure.¹²

PATIENTS ≤ 2 KG

TOTAL # OF PATIENTS	100
FLUOROSCOPY TIME (MIN) MEAN ± SD	10.5 ± 12
ANTEROGRADE IMPLANT VENOUS APPROACH	100% (99/
NICU AT BASELINE TREATED PRIOR TO NICU DISCHARGE	100% (100/
MPLANT SUCCESS (%)	99%
EFFECTIVE CLOSURE RATE	(100%) At 6 mont
MAJOR COMPLICATIONS"	4.2%



ONLY YOU CAN REDUCE RISKS WITH A TRANSCATHETER PDA **CLOSURE REFERRAL.**

MAKE CLOSURE THE PRIORITY.

By referring to an interventional cardiologist, you can help reduce the risk for a wide range of patients.



NEONATOLOGIST CONSIDERS

- Is the PDA hemodynamically significant based on echocardiographic and clinical assessment?
- Is medical therapy contraindicated or has it already failed?



MULTI-DISCIPLINARY TEAM DETERMINES

• Is transcatheter PDA closure clinically appropriate?



PDA CLOSURE

For more information about the Amplatzer Piccolo[™] Occluder, contact your Abbott sales representative

REFERENCES

Schneider DJ, Moore JW. Patent ductus arteriosus. *Circ.* 2006;114(17), 1873-18. 2. Dice DE. and Bhatia J. Patent Ductus Arteriosus: An Overview. *J Pediatr Pharmacol Ther*. 2007;12(3), 138-146. 3. Moin F, Kennedy KA, Maya FR. Risk factors predicting vasopressor use after patent ductus arteriosus ligation. *Am J Perinatol*. 2003;20:313-20. 4. J.C. Madan, D. Kendrick, J.I. Hagadorn, I.D. Frantz 3rd, Patent ductus arteriosus therapy: impact on neonatal and 18-month outcome. *Pediatrics*. 123 (2) (2009) 674–681. 5. Rodríguez Ogando A, Planelles Asensio I, de la Blanca ARS, et al. Surgical ligation versus percutaneous closure of patent ductus arteriosus ligation: hemodynamic changes and other morbidities after patent ductus arteriosus ligation. *Sem Perinatol*. 2017; 6. Noori S (2012) Pros and cons of patent ductus arteriosus closure in preterms less than 2kg: Surgery versus transcatheter. *Int J Cardiol*. 2018; 250:110-115. 8. A.F. El-Khuffash, A. Jain, P.J. McNamara, Ligation of the patent ductus arteriosus in preterm infants: understanding the physiology. *J. Pediatr*. 162 (6) (2013) 1100–1106. 9. Chorne N, Leonard C, Piecuch R, Clyman RL. Patent ductus arteriosus and its treatment as risk factors for neonatal and neurodevelopmental morbidity. *Pediatrics*. 2007;119(6):1165-1174. doi:10.1542/peds.2006-3124. 10. Semberova J, et al. Spontaneous Closure of Patent Ductus Arteriosus in Infants

CAUTION: This product is intended for use by or under the direction of a physician. Prior to use, reference the Instructions for Use, inside the product carton (when available) or at eifu.abbottvascular.com or at medical.abbott/manuals for more detailed information on Indications, Contraindications, Warnings, Precautions and Adverse Events.

Information contained herein for DISTRIBUTION in Australia and New Zealand ONLY.

llustrations are artist's representations only and should not be considered as engineering drawings or photographs.

Photo(s) on file at Abbott.

Abbott Medical Australia Pty Ltd, 299 Lane Cove Road, Macquarie Park, NSW 2113, Ph: 1800 839 259. Abbott Medical New Zealand Ltd, 4 Pacific Rise, Mount Wellington, Auckland 1060, Tel: 0800 756 269.

TM Indicates a trademark of the Abbott Group of Companies

 \odot 2022 Abbott. All rights reserved. MAT-2212485 v1.0 | Item approved for use in ANZ only.

