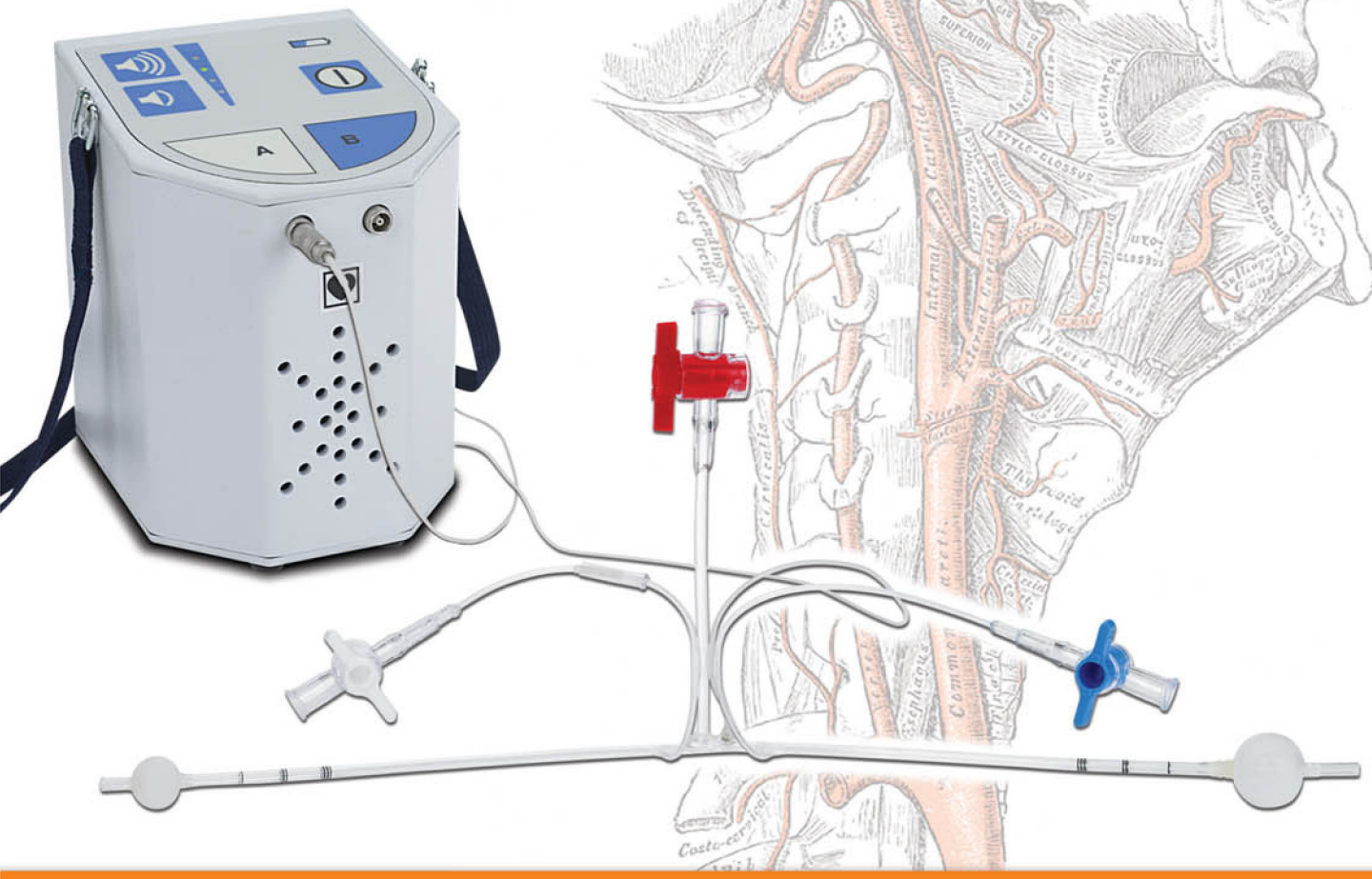
Implantable Devices

Doppler Carotid Shunts



Implantable Devices

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ImplantableDevices@gmail.com • www.dopplercarotidshunts.com

SURGICAL DOPPLER TRANSCEIVER

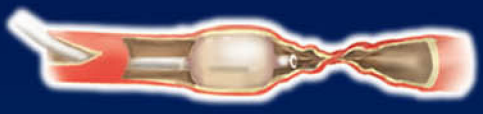
Note:

- Images are not to scale
- All shunt models consist of 5 shunts per box
- Each shunt is individually packaged in a sealed, sterilized tray

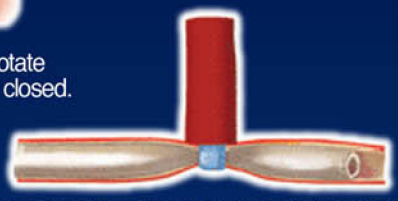
108910

- 8 MHz
- Uses 8 AA batteries
- 1 set of batteries included

DOPPLER SHUNT REACTS TO:



Balloons tightly anchored within the artery do not rotate and when the shunt is moved it will twist the artery closed.

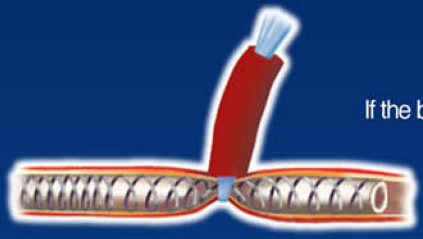


If the tourniquet is too tight and collapsing the shunt, it will result in faint to no Doppler signal.

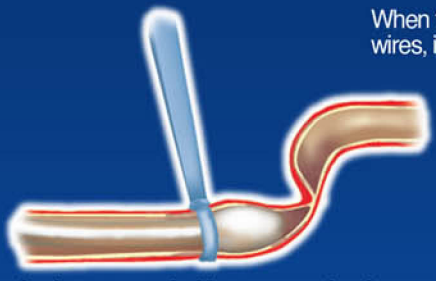
Over inflation of the balloon with an asymetrical balloon results in loud background noise with a faint Doppler signal.

A Horseshoe shape kinks where it bends past 90 degrees, producing a low volume signal from poor flow.

If the balloon is covering the tip, there will be no blood flow.



When the tourniquet slips between the reinforcing wires, it will produce no signal due to no blood flow.



Insertion into a vessel with no supporting tissue at the distal tip can stop the Doppler signal from vessel kinking.

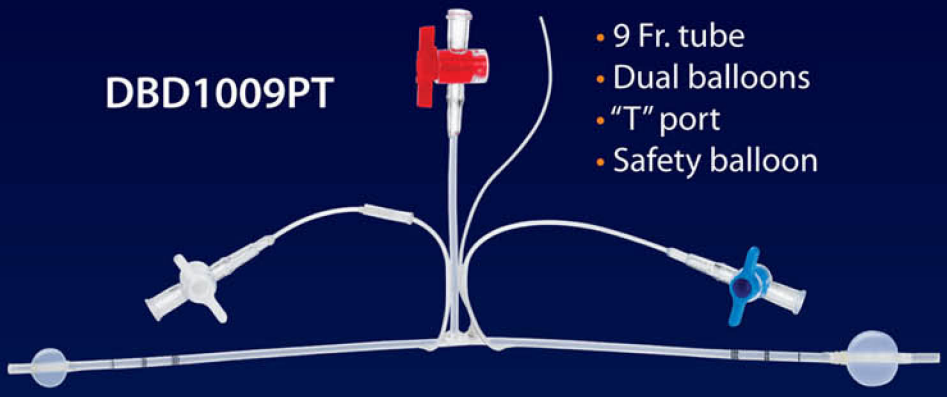
Inlying shunt insertion can pick up tissue and/or plaque which blocks blood flow, resulting in loud background noise and faint to no signal.

Illustrated by Dr. John Cooper

DUAL BALLOON SHUNT DESIGNS

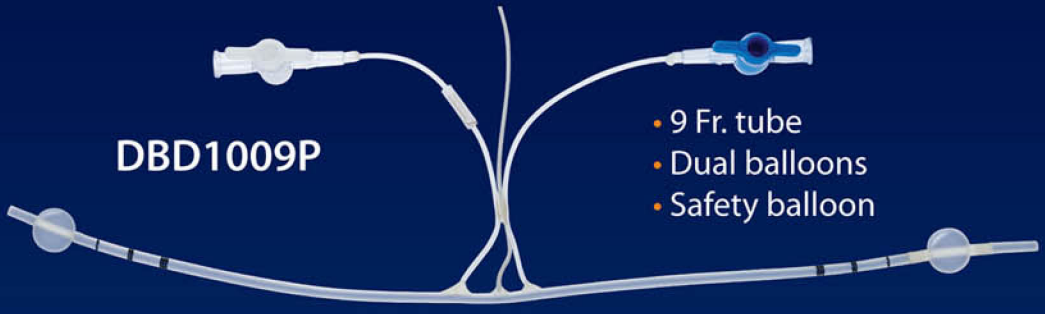
with Doppler feature

DBD1009PT



- 9 Fr. tube
- Dual balloons
- "T" port
- Safety balloon

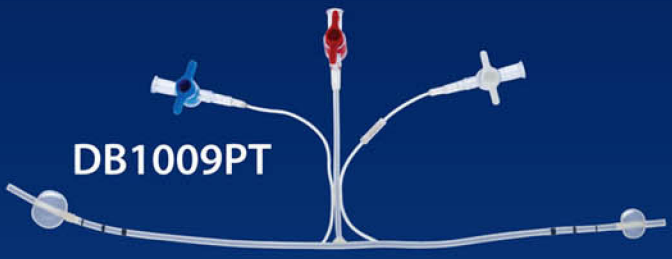
DBD1009P



- 9 Fr. tube
- Dual balloons
- Safety balloon

without Doppler feature

DB1009PT

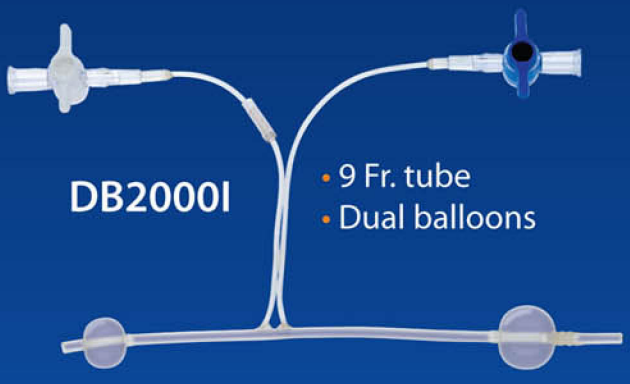


- 9 Fr. tube; dual balloons; safety balloon; "T" port

DB1009P

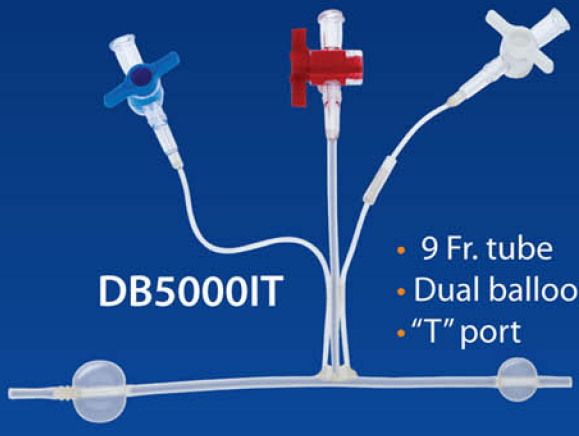
- 9 Fr. tube; dual balloons; safety balloon

DB2000I



- 9 Fr. tube
- Dual balloons

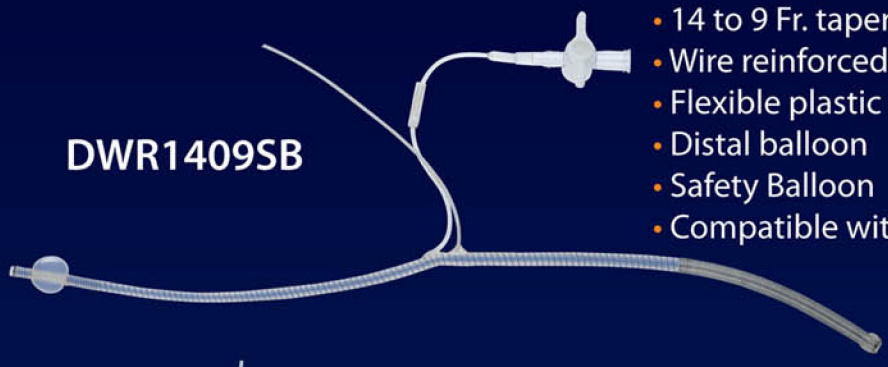
DB5000IT



- 9 Fr. tube
- Dual balloons;
- "T" port

WIRE REINFORCED SHUNT DESIGNS

with Doppler feature



DWR1409SB

- 14 to 9 Fr. tapered tube
- Wire reinforced
- Flexible plastic
- Distal balloon
- Safety Balloon
- Compatible with Javid clamps

DWR1409

- 14 to 9 Fr. tapered tube
- Wire reinforced
- Flexible plastic
- Compatible with Javid clamps

DWR1310B

- 14 to 10 Fr. tapered tube
- Wire reinforced
- Flexible plastic
- Compatible with Javid clamps

without Doppler feature

WR1409SB

- 14 to 9 Fr. tapered tube
- Wire reinforced
- Flexible plastic
- Distal balloon
- Safety Balloon

WR1409

WR1310B

- 14 to 10 Fr. tapered tube
- Wire reinforced
- Flexible plastic
- Compatible with Javid clamps

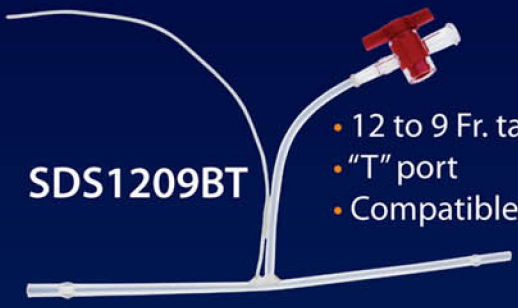
- 14 to 9 Fr. tapered tube
- Wire reinforced
- Flexible plastic
- Compatible with Javid clamps

TAPERED SHUNT DESIGNS

with Doppler feature

SDS1014JT

- 14 to 8.5 Fr. tapered tube
- "T" port
- Bumps
- Compatible with Javid clamps



SDS1209BT

- 12 to 9 Fr. tapered tube
- "T" port
- Compatible with Javid clamps

SDS1014J

- 14 to 8.5 Fr. tapered tube
- Compatible with Javid clamps

SDS1209

- 12 to 9 Fr. tapered tube

LS1408

- 14 to 8 Fr. tapered tube

without Doppler feature

SCS1014J

- 14 to 8.5 Fr. tapered tube
- Compatible with Javid clamps

SCS1209BT

- 12 to 9 Fr. tapered tube
- "T" port
- Compatible with Javid clamps

Twin Pack

- 2 tapered shunts
- (1) 1209 - 12 to 9 Fr.
- (1) 1408 - 14 to 8 Fr.

SCS1014JT

- 14 to 8.5 Fr. tapered tube
- "T" port
- Compatible with Javid clamps

The dual balloon shunt was originally developed by Toshio Inahara, MD* who endorses the new Doppler feature to monitor continuous blood flow.

***Dr. Inahara's vascular surgery career and some of his many accomplishments.**

1. Inventor Carotid Balloon Occlusion Shunt
2. Emeritus Clinical Professor of Surgery OHSU
3. Membership Surgical Societies - 11
4. Journal publications 37, Book Chapters 7
5. Founder Pacific Northwest Vascular Society, President 1983-4-5
6. Society for Clinical Vascular Surgery, President 1991
7. Director International Vascular Surgery Fellowship, 1971-93

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U.S. Patent 7,087,034 B2

50-003-0006 Rev.B