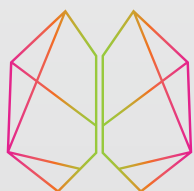




TRUFILL® n-BCA LIQUID EMBOLIC SYSTEM

SHOWN SAFE AND
EFFECTIVE AVM TREATMENT

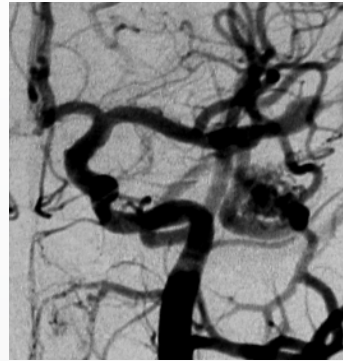


CERENOVUS

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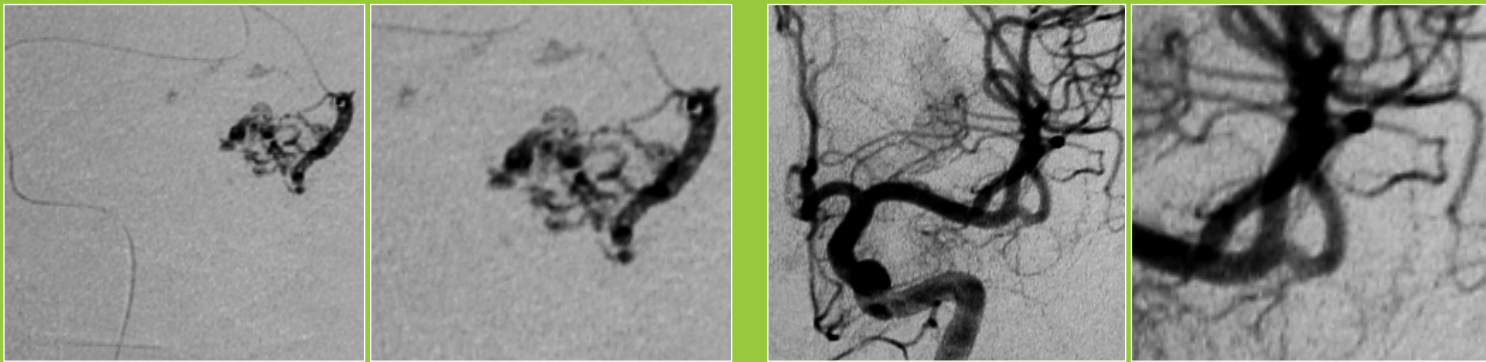
TRUFILL® n-BCA
liquid embolic system

CUSTOMIZED RADIOPACITY FOR VISUALIZATION



The TRUFILL® n-BCA Liquid Embolic System may provide a potential advantage for use due to the variability and range of concentrations after mixing radiopaque Ethiodized Oil and Tantalum Powder.

Angiograms Courtesy of Philippe Gailloud, MD
 Russel H. Morgan Department of Radiology and Radiological Services
 The Johns Hopkins Medical Institutions



UNIQUE VARIABILITY AND RANGE OF TRUFILL n-BCA LIQUID EMBOLIC SYSTEM CONCENTRATIONS

Recommended Mixtures

(Listed volumes based on a total volume of 1.0 cc — actual total volumes may vary)

CONDITION	TRUFILL® Ethiodized Oil: n-BCA Ratio	TRUFILL® Ethiodized Oil: Volume (cc)	TRUFILL® n-BCA Volume (cc)
Intranidal injections without AV fistulae or high flow rates in order to more deeply penetrate the nidus	3:1 75% Eth. Oil / 25% n-BCA	0.75	0.25
	2:1 67% Eth. Oil / 33% n-BCA	0.67	0.33
Feeding pedicle injections close to the nidus at high flow rates where venous opacification occurs on contrast injections within 1/2 second	1:1 50% Eth. Oil / 50% n-BCA	0.50	0.50*
	1:2 33% Eth. Oil / 67% n-BCA	0.33	0.67*

*TRUFILL Tantalum Powder may also be added to ethiodized oil to augment radiopacity. Tantalum powder should not be used alone with n-BCA. At higher n-BCA concentrations (>50%), addition of up to 0.5g tantalum powder is advised.

WARNING: A 0:1 TRUFILL Ethiodized Oil to TRUFILL n-BCA ratio should never be used. Recommended mixtures based on the N-Butyl Cyanoacrylate Embolization of Cerebral Arteriovenous Malformations Study.¹

EFFECTIVE PENETRATION OF AVM

The TRUFILL n-BCA Liquid Embolic System Reduces the Size of the AVM¹

¹ N-Butyl Cyanoacrylate Embolization of Cerebral Arteriovenous Malformations: Results of a Prospective, Randomized, Multi-center Trial, AJNR 23: 748-755, May 2002

CONVENIENT PREPARATION AND DELIVERY

- Four convenient steps to mix the TRUFILL n-BCA Liquid Embolic System and treat cerebral AVMs
- No shaking involved with mixing the TRUFILL n-BCA Liquid Embolic System
- No solution required to dissolve the TRUFILL n-BCA

STEP 1

Gather accessories; prepare radiopaque mixture.



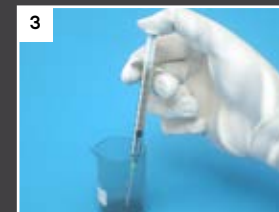
STEP 2

Prepare TRUFILL n-BCA.



STEP 3

Add TRUFILL n-BCA to radiopaque mixture.



STEP 4

Prepare microcatheter for injection; inject TRUFILL n-BCA mixture. After injection is completed, immediately aspirate with the injection syringe and rapidly withdraw the catheter.



TRUFILL n-BCA LIQUID EMBOLIC SYSTEM

Shown safe and effective AVM treatment

- Convenient Preparation and Delivery
- Customized Radiopacity for Visualization
- Effective Penetration of AVM
- Results That Matter

ORDERING INFORMATION:

Product Code	631-400	631-500
TRUFILL n-BCA	two 1g vials	one 1g vial
TRUFILL Tantalum Powder	one 1g vial	one 1g vial
TRUFILL Ethiodized Oil	one 10 cc vial	one 10 cc vial

PROWLER® 10 Microcatheter		Outer Diameter (prox/distal) 2.3F / 1.7F			Inner Diameter (in.) 0.015	
Total length (cm)	175		155		75	
Dead Space (cc)	0.34		0.32		0.23	
PROWLER® 14 Microcatheter PROWLER SELECT® LP-ES Microcatheter		Outer Diameter (prox/distal) 2.3F / 1.9F			Inner Diameter (in.) 0.0165	
Total length (cm)	175		155		75	
Dead Space (cc)	0.38		0.35		0.25	
PROWLER® PLUS Microcatheter PROWLER SELECT® PLUS Microcatheter		Outer Diameter (prox/distal) 2.8F / 2.3F			Inner Diameter (in.) 0.021	
Total length (cm)	175	155	140	105	90	75
Dead Space (cc)	0.55	0.50	0.46	0.39	0.34	0.30
RAPIDTRANSIT® Microcatheter		Outer Diameter (prox/distal) 2.8F / 2.3F			Inner Diameter (in.) 0.021	
Total length (cm)	175	155	140	105	90	75
Dead Space (cc)	0.55	0.50	0.46	0.39	0.34	0.30

Important information: Prior to use, refer to the instructions for use supplied with this device for indications, contraindications, side effects, warnings, and precautions.

Caution: US Law restricts this device to sale by or on the order of a physician.

Legal Manufacturer:

Codman & Shurtleff, Inc.
325 Paramount Dr.
Raynham, MA 02767
USA
www.cerenovus.com

To place an order, call 1-800-255-2500.

For products and availability, please contact your CERENOVUS representative.



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