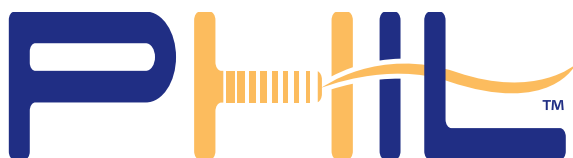




- Freedom from burdensome preparation
- Freedom from tantalum constraints
- Freedom from inconsistent radiopacity
- Freedom from excessive artifact



Precipitating Hydrophobic Injectable Liquid

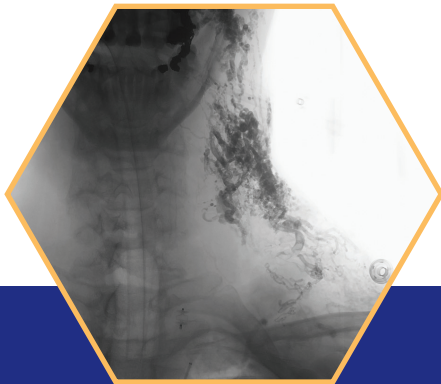
**The ready-to-use liquid embolic agent
that delivers a new freedom.**



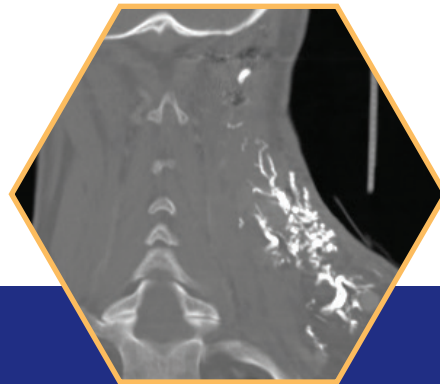
What is PHIL?

The PHIL System is a non-adhesive liquid embolic agent comprised of a biocompatible polymer dissolved in a dimethyl sulfoxide (DMSO) solvent. An iodine component is covalently bonded to the polymer to provide homogeneous fluoroscopic visualization.

Iodine component shows
homogenous radiopacity

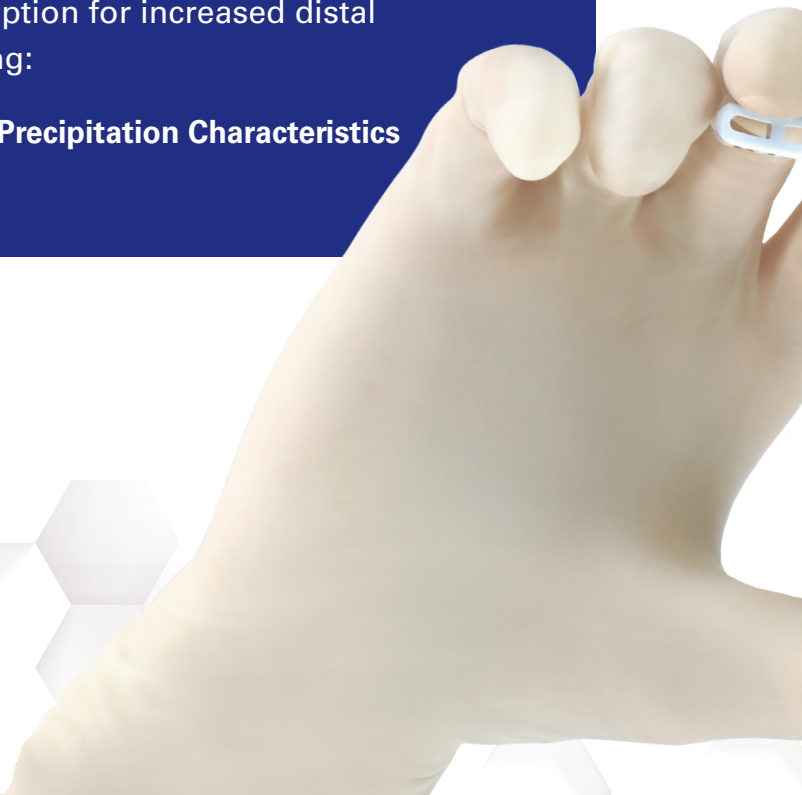


Control imaging free from
CT artifact



PHIL LV is a unique addition to the PHIL portfolio, providing a lower viscosity liquid embolic option for increased distal penetration without compromising:

Radiopacity | Embolic capacity | Precipitation Characteristics



PHIL is Ready to Use

- Pre-filled syringes
- No shaking required

PHIL Delivers No-Tantalum Formulation

- Minimizes artifact during control imaging
- Compatible with surgical resection
- No tattoo-effect in superficial malformation

PHIL Uses Iodine to Optimize Visibility

- Constant homogenous radiopacity
- Balanced density to avoid cast masking effect
- Visibility of microcatheter tip during treatment

Intuitive box design



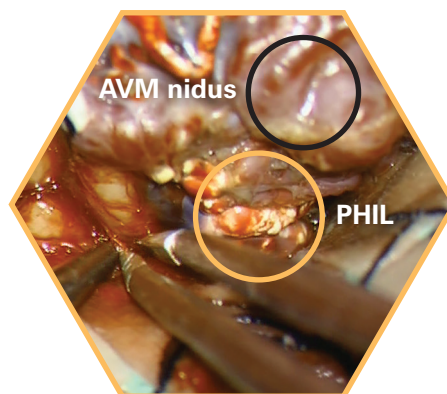
Pre-filled syringes



Universal adaptor



Superficial malformation
free from tattoo effect



Free from sparking during use of
bipolar electro-surgical device

Broad Portfolio Specifications and Ordering Details

Free to Choose from a Range of Embolic Capacity

Product Name	Starter Kits	RePHIL KITS	Viscosity	Average Kinematic Viscosity	When To Use
PHIL LV	LEN10LV250	LEN10LV250RE	Low	12 cSt	Deeper penetration into the nidus or malformation with flow arrest technique
PHIL 25%	LEN10250	LEN10250RE	Standard	16 cSt	Low flow scenarios Distal access
PHIL 30%	LEN10300	LEN10300RE	Medium	36 cSt	Moderate flow scenarios When feeding pedicle injections are conducted close to the nidus
PHIL 35%	LEN10350	LEN10350RE	High	72 cSt	Higher flow scenarios Large fistulous components embolization



Kit Contents

PHIL STARTER KITS: 1 sterile pre-filled 1 mL syringe of PHIL liquid embolic (1 x 1mL); 1 sterile pre-filled syringe of DMSO; 1 universal adaptor

RePHIL KITS: 2 sterile pre-filled 1 mL syringes of PHIL liquid embolic (2 x 1mL); 1 universal adaptor

DMSO Catheter Compatibility

Product Name	Product Codes	Description	Working Length	Dead Space	Dead Space w/Universal Adaptor ¹	Proximal OD	Distal OD	Guidewire Lumen Burst Pressure	Tip Markers
Scepter™ Mini	BC0210M	Micro-Balloon Occlusion Catheter	165 cm	0.44 mL	0.25 mL	2.8 Fr 0.037 in 0.94 mm	1.6 Fr 0.021 in 0.53 mm	700 PSI	2
Scepter™ C	BC0410C BC0415C BC0420C	Compliant Occlusion Balloon	150 cm	0.44 mL	0.24 mL	2.8 Fr 0.037 in 0.94 mm	2.1 Fr 0.030 in 0.71 mm	700 PSI	3
Scepter™ XC	BC0411XC	X-tra Compliant Occlusion Balloon	150 cm	0.44 mL	0.24 mL	2.8 Fr 0.037 in 0.94 mm	2.1 Fr 0.030 in 0.71 mm	700 PSI	3
Headway™ 17	MC172150S MC172150SX	Headway 17 Microcatheter	150 cm	0.41 mL	0.25 mL	2.4 Fr 0.032 in 0.80 mm	1.7 Fr 0.022 in 0.56 mm	300 PSI	2
Headway™ 21	MC212150S	Headway 21 Microcatheter	150 cm	0.51 mL	0.37 mL	2.5 Fr 0.033 in 0.84 mm	2.0 Fr 0.026 in 0.67 mm	300 PSI	2
Headway™ Duo 156cm	MC162156S	Headway Duo Microcatheter	156 cm	0.34 mL	0.24 mL	2.1 Fr 0.028 in 0.70 mm	1.6 Fr 0.021 in 0.53 mm	700 PSI	2
Headway™ Duo 167cm	MC162167S	Headway Duo Microcatheter	167 cm	0.35 mL	0.25 mL	2.1 Fr 0.028 in 0.70 mm	1.3 Fr 0.017 in 0.43 mm	700 PSI	1

¹TR18-330



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