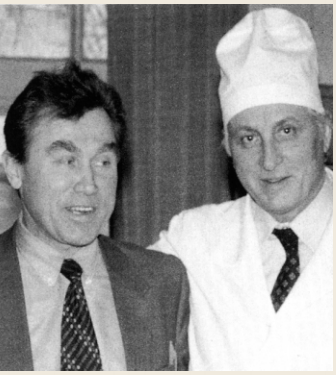
GOLDBALLOON



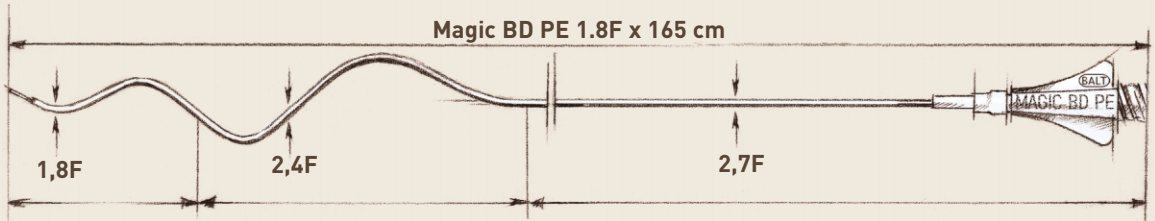
Prof. Fedor SERBINENKO and Leopold PLOWIECKI at the BURDENKO Institute in Moscow in 1980

We must remember that, in 1974, Pr. Fedor Serbinenko, neurosurgeon in Moscow, invented the latex detachable balloon. At this time, the balloon introduction was performed via direct carotid puncture with coaxial catheters. This approach, uncomfortable for the patient and inducing high radiation dose for the operator, has been replaced by the femoral approach.
In 1980, Balt in association with Pr. Serbinenko, was one of the first companies to develop and to produce detachable latex balloons and associated delivery catheters. The know-how and the experience, acquired over 25 years of continuous production and development, allows the Goldballoon to be positioned as having the highest quality and effectiveness.
Deployment is by way of single catheter or coaxial overtube.

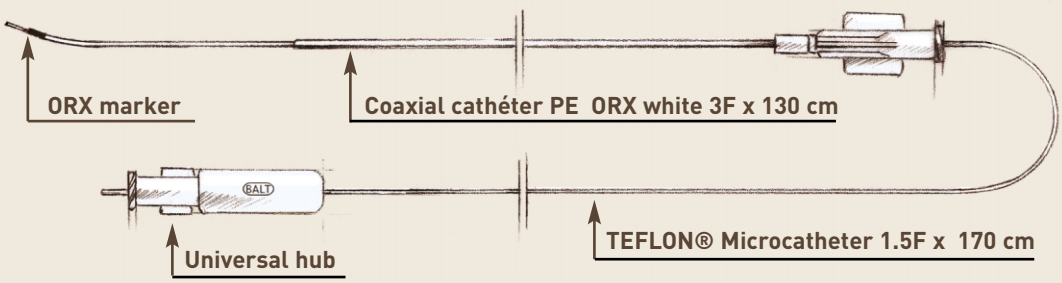
5 BALLOON SIZES ARE AVAILABLE:

CHOICE OF DELIVERY SYSTEMS

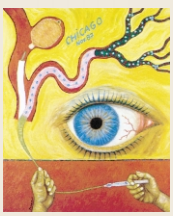
1 **MAGIC BD PE 1.8F** catheter (for Detachable Balloon with a PolyEthylene distal part) enables the balloon detachment thanks to a gentle and slow traction (10 TO 40 SECONDS). **Ref : MABDPE**



2 **2 coaxial catheters** (1.5F and 3F) the outer one pushes the balloon to allow a detachment without traction on the balloon. **Ref : COAX**



BALT EXTRUSION



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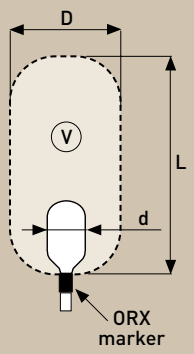
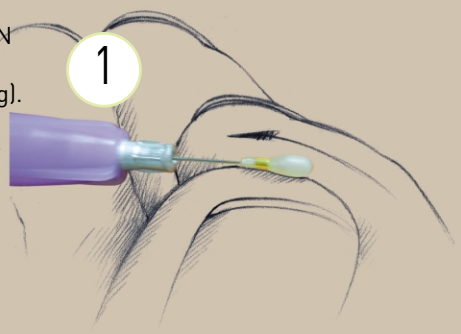
FITTING GOLDBALLOON ONTO THE DELIVERY CATHETER

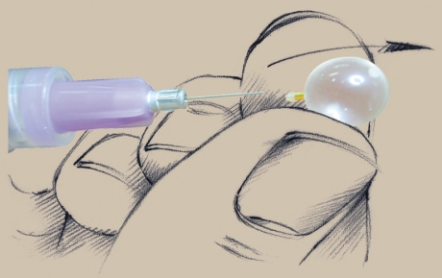
REFERENCES	MAX. VOLUME	INFLATED	DEFLATED	GUIDING CATHETER	
	V (ml)	D x L (mm)	d (mm)	ID mini mm(inches)	Balt X-ray white ID mm x OD
GOLDBAL1	0.3	8 x 11	1.5	1.5 (.059")	1.5 x 6F
GOLDBAL2	0.8	7.5 x 22	1.5	1.5 (.059")	1.5 x 6F
GOLDBAL3	0.7	9 x 14	1.7	2.0 (.079")	2.0 x 8F
GOLDBAL4	1.0	9.5 x 17	1.8	2.0 (.079")	2.0 x 8F
GOLDBAL5	3.0	12 x 30	2.0	2.4 (.094")	2.4 x 9F



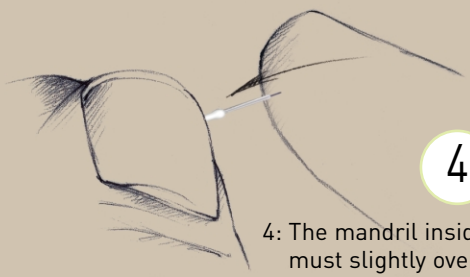
1: Fit the GOLDBALLOON onto the blunt needle (included in packaging).



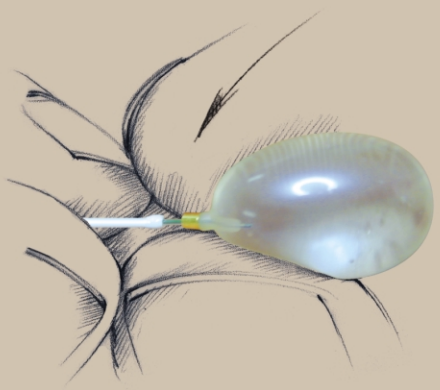
2: Inflate the GOLDBALLOON up half of the maximum volume (in order not to dilate it before its introduction into the guiding catheter) to check that the balloon is undamaged.

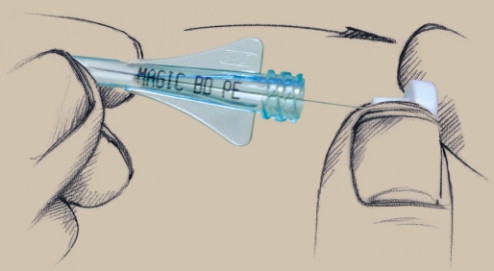


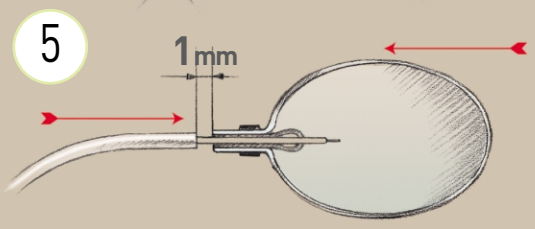
3: Detach the partially inflated balloon from the needle.



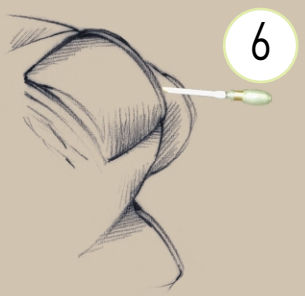
4: The mandril inside the catheter must slightly overshoot of the transparent micro tube tip







5: Fit the GOLDBALLOON onto the transparent micro tube paying attention not to damage it.The collar of the GOLDBALLOON must not be more than 1mm from the end of White Pursil tube (or from the distal marker of the coaxial tube). Check that the transparent micro tube passed through the valve.



6: Remove the mandril from the catheter ensuring the catheter is straight. The GOLDBALLOON deflates, thus purging the air from catheter.

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- To avoid damage to the transparent micro tube, always ensure that the mandril is correctly positioned inside (see #4) when fitting the GOLDBALLOON.
- The GOLDBALLOON are designed especially for the embolisation of arterio-venous malformations and blood vessel occlusion.
- Use the same method to fit the GOLDBALLOON onto the COAX catheter. On the COAX catheter there is a distal marker but no white pursil tube