

# 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This approach, uncomfortable for the patient and inducing high radiation dose for the operator, has been replaced by the femoral approach.

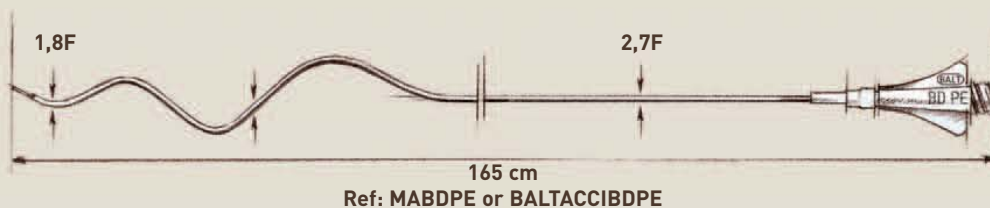
In 1980, Balt in association with Pr. Serbinenko, was one of the first companies to develop and to produce detachable latex balloons and associated delivery catheters. The know-how and the experience, acquired over 25 years of continuous production and development, allows the Goldballoon to be positioned as having the highest quality and effectiveness.

Deployment is by way of single catheter or coaxial overtube.



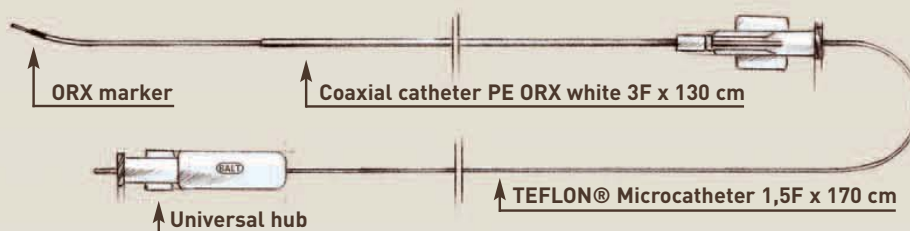
• TO BE DELIVERED WITH •

- **MAGIC or BALTACCI** microcatheters for Detachable Balloon with a PolyEthylene distal part: enables the balloon detachment thanks to a gentle and slow traction (10 to 40 seconds).



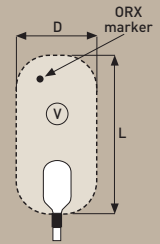
- **A COAXIAL CATHETER** (1,5F/3F):

the outer one pushes the balloon to allow a detachment without traction on the balloon. **Ref: COAX**



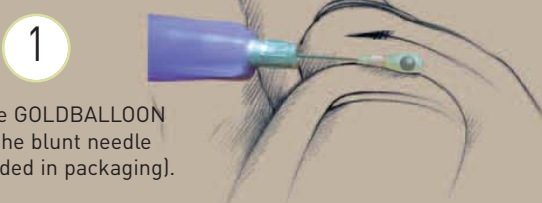
**GOLDBALLOON** are designed especially for the embolisation of arterio-venous malformations and blood vessel occlusion.

REFERENCES	MAX. VOLUME	MAX. SIZE	GUIDING CATHETER		
			ID mini. (mm)	Ref.	Description
<b>GOLDBAL1</b>	0,25	7 x 10	1,75	BIGIN6F	6F braided guiding catheter with large lumen
<b>GOLDBAL2</b>	0,60	7 x 20	1,75	BIGIN6F	
<b>GOLDBAL3</b>	0,50	9 x 11	2,2	CG8F80CAS	8F guiding catheter, 80cm long
<b>GOLDBAL4</b>	0,75	9 x 16	2,2	CG8F80CAS	
<b>GOLDBAL5</b>	2,50	12 x 28	2,8	IVA8F80	8F valve introducer, 80cm long
<b>GOLDBAL6</b>	3,00	15 x 25	3,0	IVA10F65	10F valve introducer, 65cm long

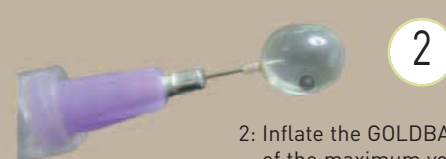


• **FITTING GOLDBALLOON ONTO THE DELIVERY CATHETER** •

*MAGIC BDPE - BALTACCI BDPE - COAX*



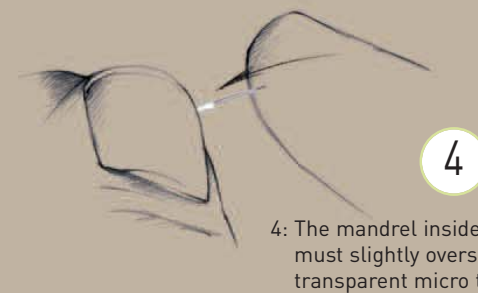
1: Fit the GOLDBALLOON onto the blunt needle (included in packaging).



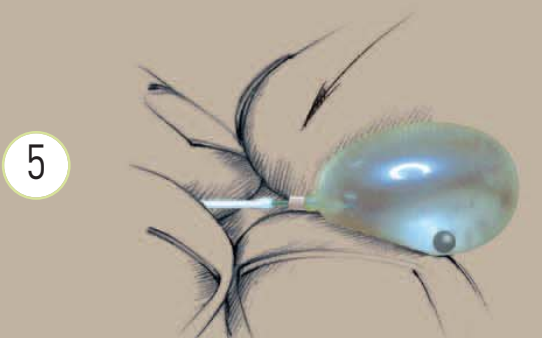
2: Inflate the GOLDBALLOON up half of the maximum volume (in order not to dilate it before its introduction into the guiding catheter) to check that the balloon is undamaged.



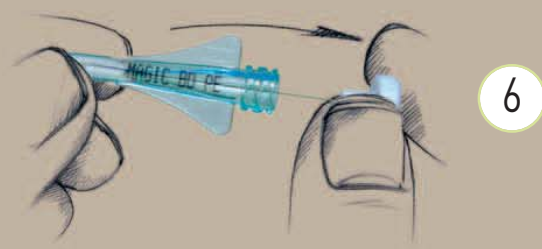
3: Detach the partially inflated balloon from the needle.



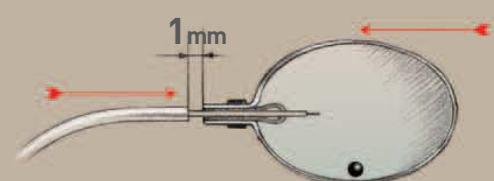
4: The mandrel inside the catheter must slightly overshoot of the transparent micro tube tip.



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 the catheter. Check that the transparent micro tube passed through the valve.



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



**!** To avoid damage to the transparent micro tube, always ensure that the mandrel is correctly positioned inside (see #4) when fitting the GOLDBALLOON.



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