



PRECISION TACE

DC Beads
for Doxorubicin delivery

Biocompatibles

Specifically designed to be loaded with Doxorubicin, DC Beads bring a new level of efficacy, accuracy and convenience to

Trans-arterial chemo-embolisation:

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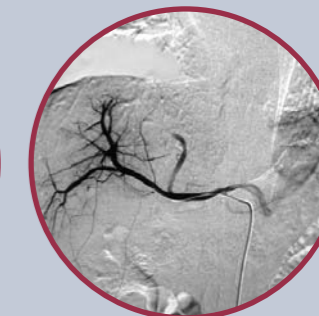
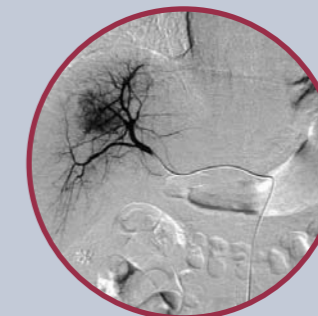
DC Beads - hydrogel microspheres for a consistent procedure with consistent results.

- Precisely calibrated sizes enhance accuracy of procedure
- Compressible hydrophilic microspheres are carried easily to the target vessel for effective, more distal occlusion

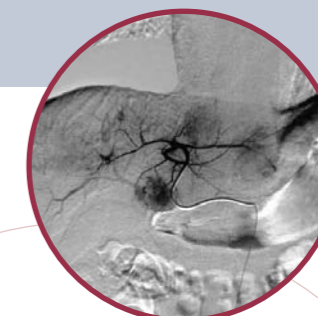
First treatment

Second treatment

Right HAG



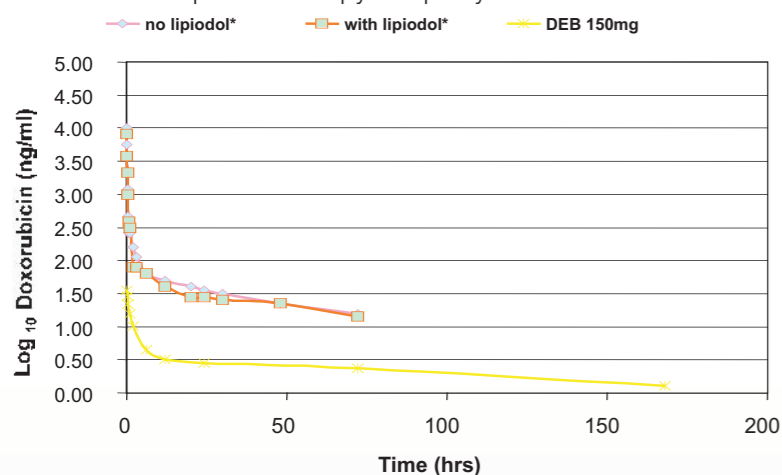
Left HAG



Less

Lower dose of Doxorubicin in the system

- Fewer side-effects of chemotherapy
- Reduced impact of therapy on quality of life



Highest dose of doxorubicin delivered

Significant reduction of doxorubicin exposure (p<0.001)

2-log reduction in systemic doxorubicin

*Johnson et al. J. Hepatology 1991; 13:120-127

* Doxorubicin dose 60mg/m²

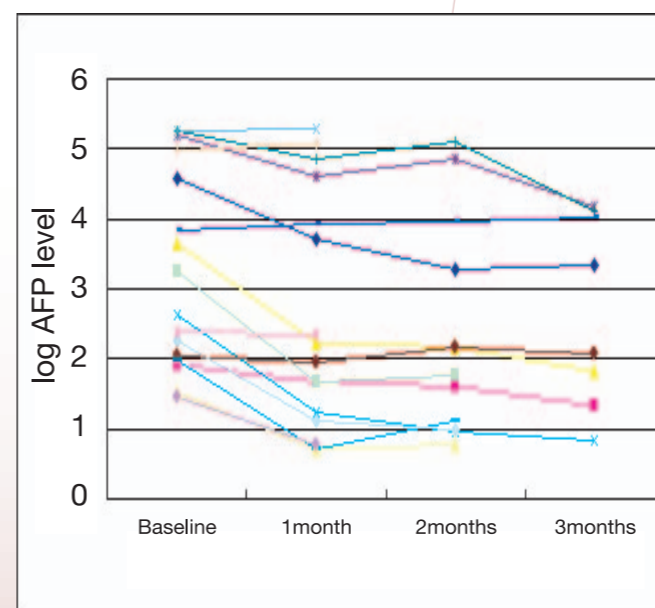
DEB (Doxorubicin eluting bead) dose at 150mg

More

Higher dose of Doxorubicin in the tumour

- Improved treatment efficacy
- Lorem Ipsum dolor
- Lorem Ipsum dolorquorum di
- Lorem Ipsum dolorquo

Alpha Fetoprotein (AFP) response



Downward trend on all patients

68.75%

Response on AFP

Complication and response rates

Study	Patients (n)	Complications (%)	Response rate at 3 months	Response rate at 6 months
Lo et al (2002)	40		27 (11) WHO	
	39		2.6 (1) WHO	
Llovet et al (200?)	37			43 (16) WHO
	40			35 (14) WHO
	35			0 WHO
Precision Hong Kong	30	13.3	68.42 (19), 47.37 (19) RESIST	38.46 (13) EASL, 23.08 (13) RESIST
Precision Barcelona	30	No data	100 (10) EASL	66.67 (6) EASL
Precision Hong Kong + Precision Barcelona	60	No data	79.31(29) EASL	47.63(19) EASL

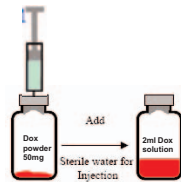
Preparation

Loading

Total Doxorubicin Dose	Doxorubicin per 4ml DC Beads	Doxorubicin per ml DC Beads
50mg	50mg in 4ml DC Beads	12.5mg/ml
100mg	100mg in 4ml DC Beads	25mg/ml
150mg	150mg in 4ml DC Beads	37.5mg/ml

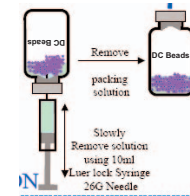
Add 2ml Sterile Water

Add 2ml of sterile water to each vial using a syringe



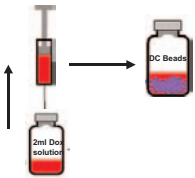
Remove Saline

Remove the saline from the DC Beads Vials



Add solution to DC Beads

Using a syringe and needle add the 2ml of doxorubicin solution directly to the vial of DC Beads.



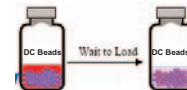
Add Contrast Media

Add equal volume of non-ionic contrast media.



Loading

The Solution will turn colourless.

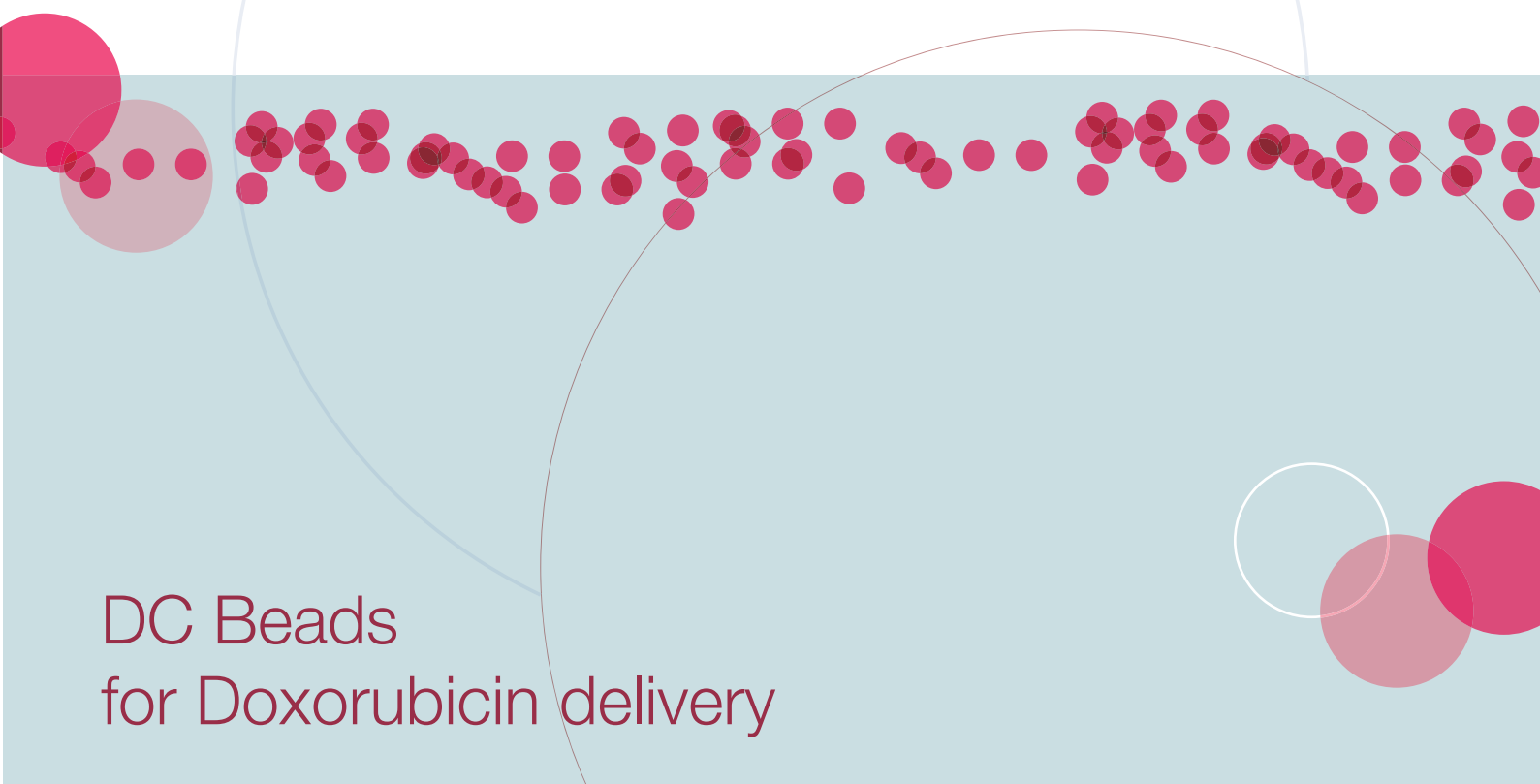


DC Bead hydrogel microspheres are intended to be loaded with doxorubicin for the purpose of:

- Embolisation of vessels supplying malignant hypervascularised tumour(s)
- Delivery of a local, controlled, sustained dose of doxorubicin to the tumour(s)

Nominal Bead Size	Label Colour	Loading Time (mins)	Product Code
100 – 300 µm	Yellow	20	
300 – 500 µm	Blue	60	
500 – 700 µm	Red	90	
700 – 900 µm	Green	120	

Upon loading with doxorubicin, DC Beads undergo a slight decrease in size, up to 20% when loading at 25mg/ml.



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