

PRECISION TACE

Less More Every Time

- 1 Determine the dose of doxorubicin to be administered.
 - Maximum suggested dose per procedure 150mg
- 2 Select the volume of beads needed to carry the dose and the size of beads.
 - Each 2ml DC Bead™ can be loaded with up to 75mg doxorubicin
 - 300-500µm or 500-700µm beads are commonly used

- 3 Reconstitute the desired concentration of doxorubicin powder depending of the dose and volume of DC Bead to be given.

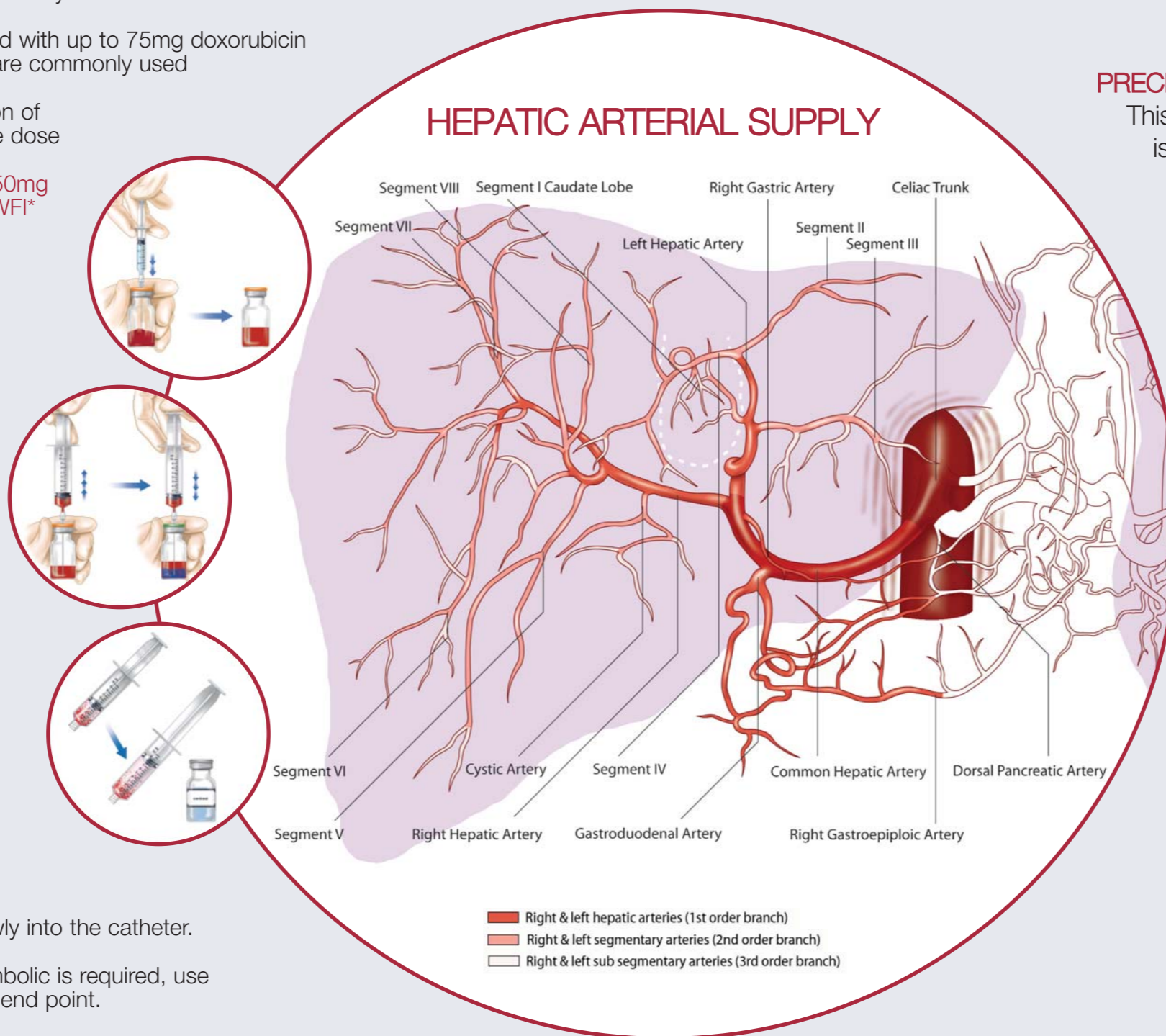
We recommend reconstituting each 50mg powder vial of doxorubicin with 2ml WFI* to give a 25mg/ml concentrate

Dose Doxorubicin	Volume 25mg/ml Concentrate to be Added to Each DC Bead Vial	Number of DC Bead Vials
150mg	3ml	2
100mg	2ml	2
50mg	2ml	1

- 4 Allow to stand until required loading achieved.

Product Cap/Label Colour	Nominal Bead Size	Time to Achieve >90% Loading	Time to Achieve 98% Loading
Yellow	100-300 µm	5 minutes	20 minutes
Blue	300-500 µm	10 minutes	40 minutes
Red	500-700 µm	20 minutes	75 minutes
Green	700-900 µm	30 minutes	100 minutes

- 5 DC Bead should be suspended in an equal volume of contrast medium, so draw up the beads in a syringe large enough for the DC beads and contrast.
- 6 Agitate to suspend.
- 7 Inject the bead contrast medium slowly into the catheter.
- 8 If the full dose is given and further embolic is required, use Bead Block™ to achieve the desired end point.
- 9 Patients can receive multiple treatments and should be followed up in line with local protocols.



PRECISION TACE GUIDELINES

This data is not intended to be used in isolation to make clinical decisions

- **Size.** Experience, end point and tumour characteristics will ultimately determine the DC Bead size. Current practice support the following approach:
 - DC Bead: 2ml vial 300-500µm beads followed by 2ml vial 500-700µm
 - 100-300µm or 300-500µm beads are NOT RECOMMENDED in the case of large AV shunts
- **End point.** There are a number of alternative end point measures dependent on treatment objectives.
 - To deliver the entire dose
 - Stasis in 2nd (segmentary) or 3rd (subsegmentary) order branches, depending upon tumour anatomy
 - In some cases if the desired end point is not reached but the doxorubicin dose has been given. Bead Block may need to be used to supplement DC Bead
- **Vasodilators.** Local protocols should be followed.
 - Regular use of vasodilators is not recommended
 - If vasospasm occurs, procedure should be aborted and rescheduled in 2 weeks

Label Colour	Nominal Bead Size	Volume of Beads	Product Code
Yellow	100-300 µm	2ml	DC2V103
Blue	300-500 µm	2ml	DC2V305
Red	500-700 µm	2ml	DC2V507
Green	700-900 µm	2ml	DC2V709

* Water for injection