Bead Block™

Proven performance

Visibly different

Pre-op Devascularisation of an Intraventricular Haemangioblastoma

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Patient History

- 22-year-old male with history of two-week diplopia
- MRI revealed coincidental finding of large densely hypervascular mass in the fourth ventricle supplied by multiple distal branches of the right posterior-inferior cerrebellar artery (PICA)
- No other focal neurological findings apparent, other than mild divergent gaze after sedation

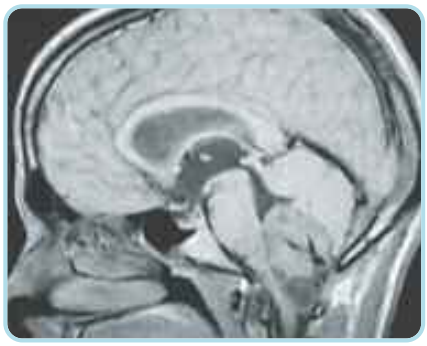
Procedure

- Tumor embolised using Bead Block™ 100-300µm through a microcatheter, advanced distally through a 4Fr vertebral catheter into the left posterior cerebellar artery
- Infusion discontinued when normal distal left PICA arterial anatomy was visualised
- After embolisation a small residual trunk of vessel was satisfactorily coiled with two .010" liquid platinum microcoils
- Post-embolisation angiography showed significant reduction of approximately 80% in tumour neovascularity from each of the PICAs
- No change to neurologic examination or dysconjucate gaze post-embolisation

Outcome

- Satisfactory embolisation of bilateral PICA supply to an intra-fourth ventricular hypervascular mass

Coronal post-gadolinium



Sagittal pre-gadolinium

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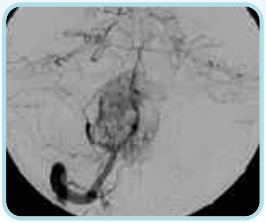
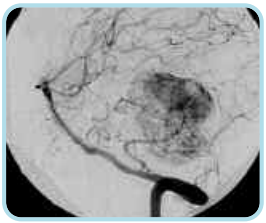
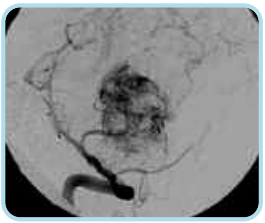


Pre-embolisation: right vertebral artery

Pre-embolisation: left vertebral artery



Pre-embolisation, lateral view: right vertebral artery



Pre-embolisation, lateral view: left vertebral artery

Post-embolisation: left vertebral artery

Post-embolisation, lateral view: left vertebral artery

Ordering Information

2ml Bead Block is suspended in 5ml physiological buffered saline in 20ml syringe and is packed singly.

Size Range µm	Colour Code	2ml Product Code
100 – 300	Yellow	EB2S103
300 – 500	Blue	EB2S305
500 – 700	Red	EB2S507
700 – 900	Green	EB2S709
900 – 1200	Purple	EB2S912

For more information, please contact:
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Important Information

Indications:
Bead Block™ is intended to be used for the embolisation of hypervascular tumours, including uterine fibroids and arteriovenous malformations (AVMs).

Potential Complications:

1. Undesirable reflux or passage of Bead Block into normal arteries adjacent to the targeted lesion or through the lesion into other arteries or arterial beds
2. Non-target embolisation
3. Pulmonary embolisation
4. Ischaemia at an undesirable location
5. Capillary bed saturation and tissue damage
6. Ischaemic stroke or ischaemic infarction
7. Vessel or lesion rupture and haemorrhage
8. Neurological deficits including cranial nerve palsies
9. Vasospasm
10. Death
11. Recanalisation
12. Foreign body reactions necessitating medical intervention
13. Infection necessitating medical intervention
14. Clot formation at the tip of the catheter and subsequent dislodgement

UFE-Specific Potential Complications:
Potential post-procedure complications include:

1. Abdominal pain
2. Discomfort
3. Fever
4. Nausea
5. Constipation
6. Premature ovarian failure (ie menopause)
7. Amenorrhea
8. Infection of the pelvic region
9. Uterine/ovarian necrosis
10. Phlebitis
11. Deep vein thrombosis with or without pulmonary embolism
12. Vaginal discharge
13. Tissue passage, fibroid sloughing, or fibroid expulsion post UFE
14. Post-UFE intervention to remove necrotic fibroid tissue
15. Vagal reaction
16. Transient hypertensive episode
17. Hysterectomy

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