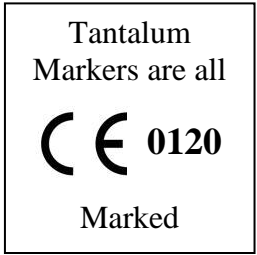




2 Witney Way
 Boldon Business Park
 Tyne and Wear
 NE35 9PE
 England

Tantalum Markers for locating tumours in Proton Beam Therapy

The following products are now available from
 Altomed Limited.



To place an order contact Customer Services on
 Tel: (0) 191 519 0111 Fax: (0) 191 519 0283

Tantalum Markers - Biocompatibility.

Tantalum is highly resistant to chemical attack and arouses very little adverse biological response. Many studies demonstrate excellent biocompatibility of tantalum in a variety of situations including implantation. Tantalum releases nothing into extraction media during standardised procedures and the surface analysis shows low impurity profiles. The Altomed Tantalum Markers are made from commercially pure Tantalum giving excellent biocompatibility results. Use of tantalum markers can be traced back to 1975.



Application

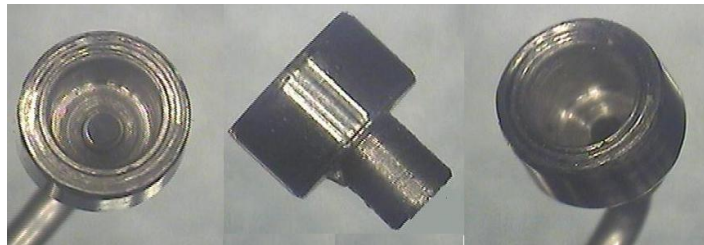
Probably the most common primary intraocular malignancy is Uveal Melanoma, with the standard treatment previously being enucleation. Now a tumour can be localised by transillumination and indentation, with Tantalum Markers being sutured to the sclera at known points from the tumour margin. With the aid of ultrasonographic measurements a 3-D computer model of the eye can be generated helping to give the optimum eye position for proton beam penetration.



Now available! The new Damato Depressor

Designed and developed with Professor Damato, Consultant Ophthalmologist, Ocular Oncology Service Royal Liverpool University Hospital

The Damato Depressor is clipped onto the end of an Altomed Right-Angled Transilluminator, holding the latter in place over the Altomed Tantalum Marker, which has been sutured to the sclera. When indirect ophthalmoscopy is performed, the light shining through holes in the marker helps to localise the marker in relation to the tumour margin. This procedure is



repeated with each of the four markers used. X-rays of the eye subsequently localise the markers so that a computerised 3-D model of the eye can be generated for planning proton beam radiotherapy.

Codes and Pricing

- A7198 – Pack of 50: Altomed Tantalum Markers
- A7198DS – Pack of 10: Sterile Damato Tantalum Marker Depressors
- A9520A or A9520AC – Pack of 10: 90° Light Pipe