

Intraoperative and postoperative gamma detection of somatostatin receptors in bone-invasive en plaque meningiomas.

Emmanuel Gay, Jean Philippe Vuillez, Olivier Palombi, Pierre Yves Brard, Pierre Bessou, Jean Guy Passagia

► **To cite this version:**

Emmanuel Gay, Jean Philippe Vuillez, Olivier Palombi, Pierre Yves Brard, Pierre Bessou, et al.. Intraoperative and postoperative gamma detection of somatostatin receptors in bone-invasive en plaque meningiomas.. Neurosurgery, Lippincott, Williams & Wilkins, 2005, 57 (1 Suppl), pp.107-13; discussion 107-13. <inserm-00391007>

HAL Id: inserm-00391007

<http://www.hal.inserm.fr/inserm-00391007>

Submitted on 30 Jul 2009

HAL is a multi-disciplinary open access archive for the deposit and dissemination of scientific research documents, whether they are published or not. The documents may come from teaching and research institutions in France or abroad, or from public or private research centers.

L'archive ouverte pluridisciplinaire **HAL**, est destinée au dépôt et à la diffusion de documents scientifiques de niveau recherche, publiés ou non, émanant des établissements d'enseignement et de recherche français ou étrangers, des laboratoires publics ou privés.

Table 1: Intraoperative counting rates detected on different tumor locations, using a handheld gamma probe for the surgical resection of 10 "en plaque" bone invasive meningiomas.

Patient	Age	Topography	Peroperative site of gamma detection	Center of the tumor (cps*)	Periphery of the tumor (cps*)	In a normal area (cps*)	After tumor resection (cps*)
001	47	Sphenoorbital (left)	Skull	57-80	9-20	7-18	8-15
			Dura mater	30-45	5-20	7-15	27-36 (temporal base)
			Periorbital	28-46	-	-	8-1 ¹ 5
002	45	Skull convexity and longitudinal sinus (left extension)	Skull	53-64	19-30	9-15	5-13
			Dura mater	53-64 (sinus)	27-32	9-14 (Intact sinus : 5-12)	5-13
003	63	Mastoïd process (left)	Skull (tumor)	18-25 (mastoïd)	11-17	3-9	1-8
			Dura mater	43-49 (sigmoid sinus)	16-26	7-10	8-10
004	46	Skull convexity (occipital, right side)	Skull	22-29	12-30	5-13	6-13
			Dura mater	19-40	-	1	-
005	49	Sphenoorbital (left)	Skull	120	53	10	15 (temporal base:30)
006	43	Mastoïd process (left)	Skull	20-25	-	8-10	5-8
007	55	Sphenoorbital (right)	Skull	12-18	15	2-6	4-7 (temporal base : 10-16)
008	48	Sphenoorbital (right)	Skull	10-20	5-13	3-6	3-5
			Dura mater	10-17	-	1-5	5-8 (temporal base)
			Periorbital	15-20	-	-	-
009	56	Sphenoorbital (left)	Skull	19-32	7-16	4-11	4-6
010	64	Sphenoorbital (right)	Skull	8-10	2	2-3	0-1 (temporal base : 5)
			Periorbital	4-5	-	-	5

(*)cps: counts per second.