

RPTC Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Central Nervous System	16	Astrocytoma	Low grade
			Anaplastic*
			Glioblastoma multiforme*
	3	Oligodendrioglioma	Low grade
			Anaplastic*
	4	Ependymoma	Low grade
			Anaplastic
	3	Tumors of Glial/Neuronal Origin	Ganglioglioma
	2	Embryonal carcinoma	Medulloblastoma
			Atypical teratoid or rhabdoid tumor
	3	Cranial nerve	Neurinoma of acoustic nerve
			Glioma of optic nerve
	7	Meningioma	Benign Meningioma
			Atypical Meningioma
			Anaplastic

RPTC Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Central Nervous System	4	Sellar Region	Adenoma of pituitary gland
			Craniopharyngioma
	16	Skull Base	Chordoma
			Chondrosarkoma
	7	Carcinoma Metastatic to the Brain	Breast Cancer
			Lung Cancer
			Malignant Melanoma
	2	Hemangioma/ -pericytoma	

Primary Protontherapy, Re-Irradiation, stereotactic radiation (hypofractionated or in conventional fractionation)

* in combination with chemotherapy (Stupp, R. et al.: N.Engl. J. Med. 2005; 352: 987-996)

RPTC Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Head and Neck	3	Nasopharyngeal Carcinoma	
	7	Paranasal Sinus	Maxillary Sinus
			Ethmoid Sinus
	3	Tumor of Nasal	Nasal cavity
	6	Oral Cavity	Base of tongue
			Retromolar trigone
			Bony palate
	8	Oropharynx	Tonsillar Region
			Base of tongue
			Soft palate
			Lateral oro-pharyngeal wall
	3	Hypopharynx	Hypopharyngeal wall
			Pyriform Sinus
	3	Larynx	Subglottis
			Glottis

RPTC

Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Head and Neck	9	Salivary Gland Tumors	Parotid gland
	2	Lymphnodemetastases	

Head and Neck

Primary Protontherapy, adjuvant Protontherapy, Re-Irradiation,
 Plus or minus chemotherapy or chemotherapy in combination with targeted therapies

RPTC Treated Tumors since 2009



Treated Tumors	Numer	Tumor Class	Tumor Type
Thorax	44	Lung/Mediastinum	Non-Small Cell/ Small Cell Lung Cancer
	1	Thoracic wall	Recurrent Mamma Carcinoma
	26	Metastases of solid Tumores	
	4	Pleura	Mesothelioma

Primary Protontherapy, adjuvant Protontherapy, Re-Irradiation,
 Plus or minus chemotherapy or chemotherapy in combination with targeted therapies
 Patients will be irradiated in apnea
 * according to DHSG protocol
 ** hypofractionated stereotactic radiation in apnea

RPTC Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Gastrointestinal Tract	4	Esophagus	Lower esophagus
			Gastroesophageal junction
	2	Stomac	
	20	Pancreas	Head
			Body
			Papilla
	19	Liver and Biliary System	Hepatocellular Carcinoma
			Metastases*
			Cholangiocarcinoma
			Intrahepatic bile duct carcinoma
	5	Rectum	Rectal Cancer**
			Recurrent disease presacral
	4	Anal Canal	
	4	Abdominel Lymphnodemetastases	

Primary Protontherapy, adjuvant Protontherapy, Re-Irradiation, Plus or minus chemotherapy

* hypofractionated stereotactic radiation in apnea

**neoadjuvant RT/ChT

RPTC Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Urinary Tract	177	Prostate* Stage I - IV	Definitive/Radiation alone
			Serological relaps
			Locoregional relaps
	3	Urinary Bladder	
	1	Penile Cancer	
	6	Female Genital Tract	Cervix uteri
			Endometrium
			Vulva Carcinoma
			Vaginal Cancer
			Ovarian Cancer
	4	Pelvine Lymphnodemetastases	

Primary Protontherapy, adjuvant Protontherapy, Re-Irradiation, plus or minus chemotherapy

* plus or minus antihormone therapy

RPTC

Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Musculoskeletal System	4	Sarcoma	
	26	Chondrosarcoma/ Chordoma	
	1	Histiocytosis	
	38	Metastases	

RPTC

Treated Tumors since 2009



Treated Tumors	Number	Tumor Class	Tumor Type
Lymphatic System	5	Morbus Hodgkin	
	2	Non-Hodgkin-Lymphoma	