	Glioblastoma	
	Presenting Sx: Headache, MS shange, speech difficulty, neuro def	
	DDX: Infection, Metabolic, vascular, metastasis, lymphoma, glioma	
	JPA A TKT - A COLUMN	
	WHO Criteria RPA	
	M Floris 12: < 50 yrs + KPS 290	
	Endothelial Proliferation ITV < 50 yrs + KPS < 90 OR >50 yrs + KPS > 70 resetts.	
	Necrosis V: >50 yrs + KPS < 70 + No AMS + b. o. VI KPS < 70 + AMS or hopsy+ KPS > 70	-
	NECTORS VI KPS 10 + AMS or hopsyt KP5 > 70	
	Globlastoma requires 3 Appearance: TI hypointense, Totalair intense	
	OR pseudopal sading necrosist contrast enhancing	
	Molecular Month of wheel = in act and without the Manager and second	- 12
	MGMT methylated-inproved outcome due to decreased repair IDH -improved outcomes	
	ATRX - related to secondary of glighlastomas. Surgery Maximum safe resection Port op imaging within	
	72 kg	
	Cheno TMZ@ 75 mg/m2 daily w/ RT-7 I nonth break 7	
_ () F	10-200 mg/m2 for S days/month for GID months Major side	
	effects include thrombocylopen at neutropenia. Requires pox vs	
	PEP w/ TMP/SMZ (Bactrin) or pentamadine	
	RT: 60 Gy in 30 fx, 40 Gy/15/x, 34 Gy/10fx, SGy/5/x	
	Volumes	
-	GTV: Post-op cavity + Contract enhancement	
	CTV: GTV+ 2 cm (can expand to include FLATR) (46 or 60 Gy)	100
	Can also consider I cm for boost (60 Gy)	200
	PTV: CTV+3 mg	
	C. J. J. Wi President in the St. T. T. M. C. Marie	
	Constraints R . J . S 5(1 C (M)	
-	Brainstem < 54 Gy (May go up to GO) Chiasmo Norse < 54 Gy	
	Cochlea < 54 Gy Mean < 30-45	
	Spinal Corm = 4590 Gy	
0	Bis: N V30 < 50%	
	Hippocampus < 16 Gy Mean < 9 Gy	
	Lens < 5-7 Gy	
		77

Stupp/EORTC/NCIC. RT vs. RT+conct ad, TMZ Va.
Improved O. SMB with RT+TMZ. On subsequent
analysis, benefit parger w/ MGMT methylation

Canadian Hypotrac (Roa): 60 Gy BO fx vs 40 Gy/19Fx
No TMZ, Hypotrac nontinterior. 260 yrs = KP5 250

IAFA (Roa): 25 Gy/Sfx vs 40 Gy/15fx
No TMZ. 5 fx non interior, 265 yrs KPS > 50, > 50 pr KPS 50-70

Nordic (Madricon): 606y/30fx us 346y/10fx vs TMZ
TMZ or 346y hon-inferior. Better OS with hypotract
TMZ in 270 yrs. Included 260 yrs.

French (Keiner Guiber). SO Gy/28tx us supportise care
OS improved W/ RT. 770 yrs + KPS >70

EDRTC/CCUTG/TROG 40 Gy/15fx vs 40 Gy/15fx +TM2 OS & Pfs improved wy TMZ = G5 yrs

RTOG 9305: SRS -> RT+ Cornustine us RT+ Cornaitine
No improvement in outcomes uf SRS

CeTeG/NOA-09 GO Gy+conctaty TMZ us GOGy+TMZ+Lomarine in MGMT methylated. Improved DS but not PFS by ITT

Impraes PF5 + OS w/ TTF. Must war at least 50%.