

Age \geq 50 years
KPS \geq 50%
informed consent

First visit
Physical Exam
LENT-SOMA
Medication

Maximum safe resection

Histologically confirmed GBM (frozen section)

IORT not
feasible

IORT
feasible

IORT
20 - 40 Gy

Pre-EBRT
Physical Exam
LENT-SOMA
Medication

early MRI (24-48h)

Chemo-Radiotherapy

EBRT (30 x 2 Gy)
+ 50 mg/m²/d temozolomide

post-EBRT
Physical Exam
LENT-SOMA
Medication

adjuvant Chemotherapy

6 cycles 150-200 mg/m²/d/cycle temozolomide

FU
Physical Exam
LENT-SOMA
Medication

Follow-up MRIs

every 3 months

Early DLT (3 weeks)

Early-delayed DLT (3 months)