

PROFILE & DRUG DEVELOPMENT

BRAIN CANCER

GLIOBLASTOMA MULTIFORME (GBM) www.ISRreports.com

WHAT IS GBM?

GBM is the most common and



most aggressive form of primary malignant brain tumor.



of Durham, NC. that's 2-3 CASES SYMPTOMS per

Nausea and vomiting Headaches

Seizures

- Hemiparesis
- Memory, personality, or neurological deficits
- GBM is slightly more

common in

MALES

CAUCASIANS (in US).



100,000

adults

TREATMENT There is no available

treatment for GBM is

curative and options

are extremely limited.

The most optimal treatment for GBM is a combination of surgery, radiotherapy, and chemotherapy.



GOAL: removes as much tumor tissue as possible. It is believed that surgery gives patients a

other treatment.



RADIATION 1. Radiation aims to kill as many of the cells left behind from

better prognosis when they begin



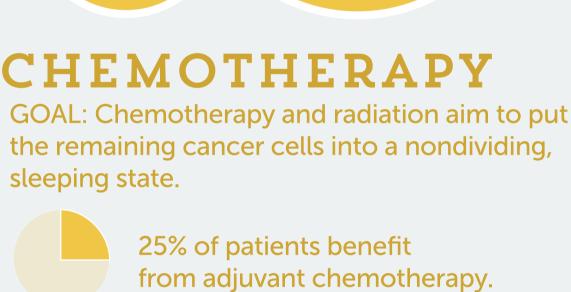
surgery as possible.

2. Radiation is usually given

5 times a week for 6 weeks.

3. Radiation is combined with the

12.1 MONTHS to 14.6 MONTHS

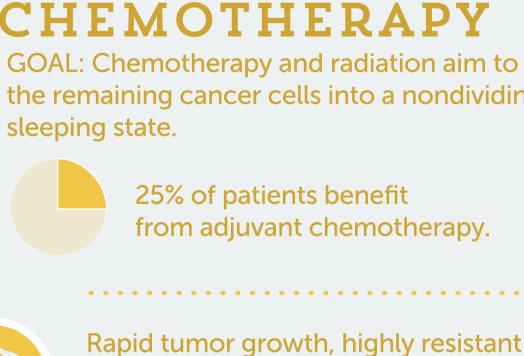


tumors, and a lack of effective therapies

THE DEADLIEST

CANCER TYPES.

contribute to making this one of



AEAR SURVIVAL **Breast Cancer: 89%** Colorectal: 64% Glioblastoma: 4.8%

With standard of care treatment the average life expectancy rises to approximately 15 MONTHS.

THE FUTURE

Lung: 15%

Prostate: 99%



the therapy.

50 POTENTIAL

NEW THERAPIES

in active development, positive

results in early stage trials.

Without treatment, the mean

life expectancy is approximately

4.5 MONTHS.

Potential therapies can be eligible for ORPHAN DRUG DESIGNATION, which allows the developing company to receive tax breaks and market exclusivity upon approval of

that affects fewer than

200,000 people (in the U.S.).

These new therapies include: • Immunotherapeutic Vaccines Anti-Angiogenesis Gene Therapy Cell Signaling Pathway Inhibitors Cytotoxics

76 GBM

were started in 2013

58 PHARMA & BIOTECH



CLINICAL TRIALS

Sources: ISR Reports, brain.mgh.harvard.edu, cancer.org, http://visual.ly/brain-cancer-infographic, www.mdanderson.org, seer.cancer.gov, International Agency for Research on

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