

Graphical Abstract

A Phase II and Pharmacodynamic Trial of RO4929097 for Patients with Recurrent/Progressive Glioblastoma

Background



Created by Dmitry Smirnov from Noun Project

Glioma Stem Cells

- Stem-like proliferative state requires Notch signaling
- RO4929097 = Notch inhibitor
- Activity measured by inhibition of neurosphere generation in fresh surgical tumor samples



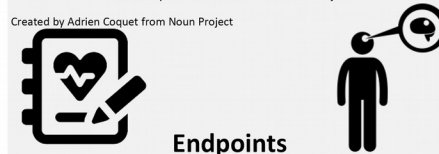
Methods

Study population

- Recurrent glioblastoma, 2 groups
- Group A: Unresectable, n = 40
- Group B: Resectable, n = 7



Created by Sharon Showalter from Noun Project



Endpoints

- Six-month progression free survival (PFS₆)
- Inhibition of neurosphere formation in freshly resected tumor after treatment

Outcomes and Conclusions



Created by Adrien Coquet from Noun Project

- PFS₆ – 4%
- Inhibition of neurosphere formation – 1 of 7 Group B patients



Created by Nizaj Salim from Noun Project

Unfortunately RO4929097 is not active against recurrent GBM as measured by low PFS₆ and lack of neurosphere inhibition.

glioma by Dmitry Smirnov; treatment by Adrien Coquet; User Testing by Sharon Showalter; result by Adrien Coquet; Unsuccessful Login by Nizaj Salim, all from The Noun Project (thenounproject.com)

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