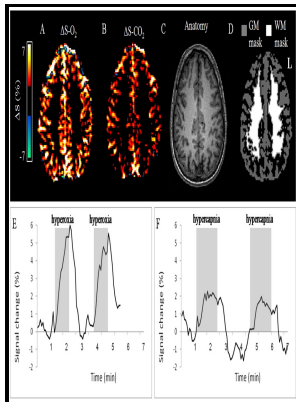


Angiogenesis in brain tumors

Kluwer Academic Publishers - Angiogenesis and Angiogenesis Inhibitors in Brain Tumors



Description: -

- Angiogenesis Inducing Agents
Brain Neoplasms

- Cancer treatment and research -- v. 117.

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Angiogenesis in brain tumors, Microscopy Research and Technique

Bevacizumab plus radiotherapy-temozolomide for newly diagnosed glioblastoma. Role of a second chemotherapy in recurrent malignant glioma patients who progress on a bevacizumab-containing regimen. Proc Natl Acad Sci U S A.

Angiogenesis in Brain Tumors by Matthias Kirsch

In adults, about 50% of all CNS tumors are malignant, whereas in paediatric patients, more than 75%.

Angiogenesis in brain tumors

In the ECs populations analysed, about $90 \pm 5\%$ of GBM-ECs were positive for CD105, whereas $60 \pm 7\%$ and $5 \pm 4\%$ of LGG-ECs and MNG-ECs were positive, respectively. Sunitinib but not VEGF blockade inhibits cancer stem cell endothelial differentiation. Unfortunately, no difference in OS was observed between the treatment arms of both studies, and neither study identified a subset of patients in whom the addition of bevacizumab provided a survival benefit.

Angiogenesis in human brain tumors: screening of drug response through a patient

Mazzone M, Dettori D, de Oliveira RL, Loges S, Schmidt T, Jonckx B, Tian YM, Lanahan AA, Pollard P, de Almodovar CR, De Smet F, Vinckier S, Aragonés J, Debackere K, Luttun A, Wyns S, Jordan B, Pisacane A, Gallez B, Lampugnani MG, Dejana E, Simons M, Ratcliffe P, Maxwell P, Carmeliet P. More and more emerging studies have suggested that the targeted gene knockout techniques with well-designed experimental strategy could be effective in the treatment of GBM patients and other human diseases. Evidence of antitumor activity includes encouraging rates of radiographic response and progression-free survival.

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