Theoretical study of an elliptic system with a chemotaxis term and non-linear boundary condition

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In this talk, we present some theoretical results of a non-linear elliptic system including chemotaxis term and non-linear boundary condition. This system is related with the angiogenesis process, crucial step in the tumor's growth. Specifically, this problem models the effect of an anti-angiogenic therapy based on an agent that binds specific receptors of the endothelial cells.