1163-62-726   **Vidya Bhargavi M*** (`vidya.msc05@gmail.com`), Chapel Road, Abids, Hyderabad, 500001, India, **Sireesha V**, Department of Applied Mathematics, GITAM Institute of Science, GITAM (Deemed to be University), Visakhapatnam, 530 045, India, and **Venkateswara Rao Mudunuru** (`vmudunur@mail.usf.edu`), 4202 E. Fowler Ave CMC 342, Tampa, FL 33620. *Colon Cancer Survival Analysis with Quantile Regression.*

Quantile regression emerged as an alternative and robust technique to the commonly used regression models. Even in the survival analysis, quantile regression is offering more flexible modeling of survival data without any constraints attached. Unlike traditional Cox hazards models or accelerated failure models, quantile regression does not restrict the variation of the coefficients for different quantiles. In this research we modeled and compared traditional survival regression method with quantile regression applied to colon cancer data. (Received September 12, 2020)