

Functional Outcome and Quality of Life of Conservative versus Surgical Management of Adult Potts Disease: A Prospective Cohort Study

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Abstract : Objective: The aim of the study is to determine the differences in functional outcome and quality of life of adult patients with Potts disease who have undergone surgical versus non-surgical management. Methods: In this prospective cohort study, 45 patients were followed up for 1 year after undergoing pharmacologic treatment alone versus a combination of anti-Kochs and surgery for Potts disease. Oswestry Disability Index (ODI) and Short Form-36 (SF-36) were obtained on initiation of treatment, after three months, six months and one year. Results: ASIA scores from the onset of treatment and after 1 year significantly improved ($p < 0.001$) for both non-surgical and surgical patients. ODI scores significantly improved after 6 months of treatment for both surgical and non-surgical patients. Both surgical and non-surgical patients showed significant improvement in their SF-36 scores, but scores were noted to be higher in patients who underwent surgery. Conclusions: Significant improvement with regards to functional outcome and quality of life was noted from both surgical and non-surgical patients after 1 year of treatment, with earlier improvements and better final scores in SF 36 and ODI in patients who underwent surgery.

Keywords : tuberculosis, spinal, potts disease, functional outcome

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