

## **ABSTRACT**

Preserved bovine pericardium sheet was used as material for tubular repair of experimental nerve gaps in sciatic nerves of *Ratus norvegicus*. In a final sample of animals that did not show complications(38), results revealed nerve regeneration from the proximal stump through the tube and connecting with the distal stump in 97.3 % of cases. The author concluded that preserved bovine pericardium has good surgical handling, is easily obtainable, lead to negligible tissue reaction and can be used as material for tubular repair of experimental gaps in sciatic nerve of mice. Its is suggested that this study should be expanded regarding future clinical use of this material in tubular nerve repair.