

Management of Sigmoid Volvulus

Hama Younsa

Abdou Moumoni University, Niger

Objective: To report the results of treatment of sigmoid volvulus in the National Hospital of Niamey and to propose a therapeutic classification.

Patients & Methods: It was a retrospective, descriptive, and analytical study of 10 years, including all adult patients treated for sigmoid volvulus in the National Hospital of Niamey. An association between morbidity and mortality and the variables was investigated and the results were analyzed and interpreted according to the literature data to deliver a therapeutic classification.

Results: The series included 168 patients, whether 17.31% of intestinal obstruction and 2.64% of abdominal emergencies. They were 166 men and 2 women. The average age was 50.80 (± 15.52) years old. The average time before consultation was 4.18 (± 2.85) days. Abdominal pain was the most common symptom in all patients. Paraclinical diagnosis was essentially made by radiography of the abdomen without preparation. Ileosigmoid knot was found in 4.76% of patients. The necrosis rate was 22.02%. Sigmoid resection according to


Hartmann was performed in 68.45% followed by resection and then by immediate colo-colonic anastomosis (25.60%). Overall morbidity was 14.60%, and 7.15% of patients had died, including 5.95% after sigmoid resection according to Hartmann. The occurrence of complications was influenced by necrosis ($P = 0.04$) and a long time before consultation ($P = 0.04$). The mortality was influenced by sigmoid resection according to Hartmann ($P = 0.01$). The analysis of our results according to the literature data has allowed us to define four treatment groups of patients.

Conclusion: The determination of four groups of patients could help in the management of sigmoid volvulus.

Speaker Biography

Hama Younsa completed his graduation as Medical Doctor at Abdou Moumouni University of Niamey and specialized in general surgery. In 2014 he was nominated to the Faculty of Health Sciences at Abdou Moumouni University in Niamey as Assistant Clinical Director and later as Assistant Professor in 2016, a position he currently holds. At the Faculty of Health Sciences he was also nominated as Coordinator of the Bachelor's degree in Surgery.

e: younsah@gmail.com

 Notes: