

Treatment of adult patients with hemophilic arthropathy, Experience in Mexico

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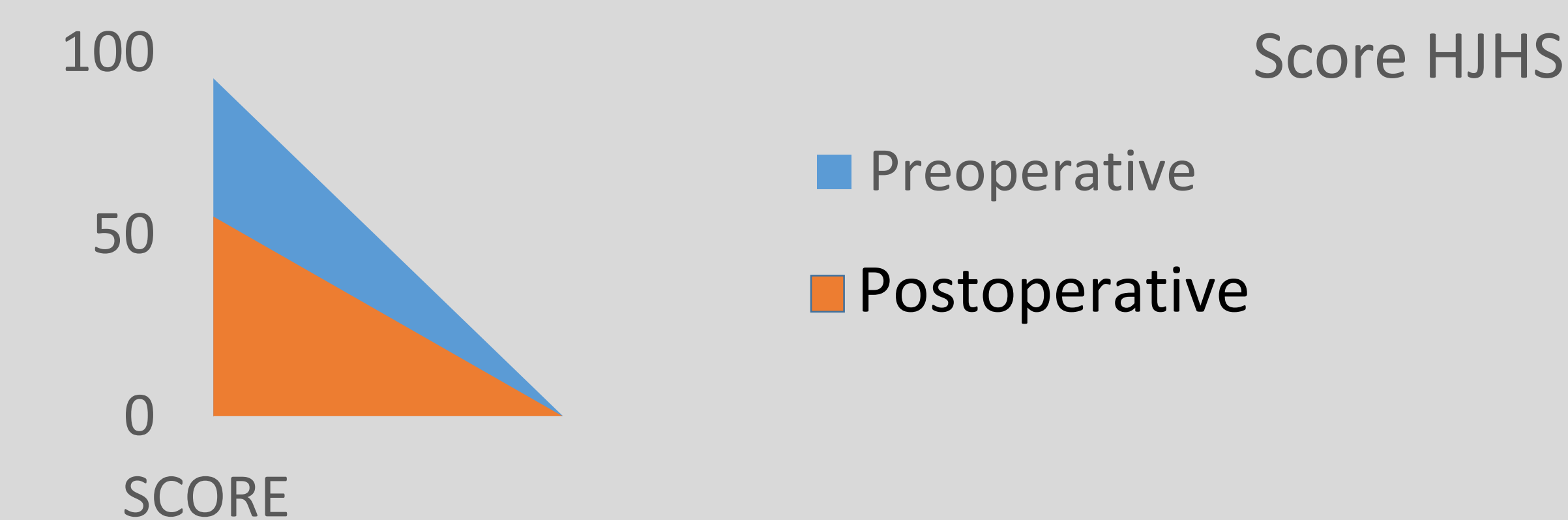
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- **Introduction:** Patients with haemophilia may present in adulthood severe destruction of the joints, presenting pain and functional deficit; in the last 40 years these patients have benefited from elective orthopedic surgery, thanks to the multidisciplinary treatment and the administration of bypass agents, in patients with and without inhibitors, making the surgery safe and successful.
- **Objective:** Report the experience of the UMAE "Magdalena de las Salinas", in Mexico of the surgical treatment of hemophilic arthropathy in adults with stage III HG and with a score of 3 or higher on the scale of Peterson.
- **Material and methods:** Reported a total of 62 surgeries over a period of five years, 25 total knee replacements, (8 simultaneous bilateral); a total hip arthroplasty in a patient with inhibitor, an osteotomy of the femur, distal femur fracture in a patient with inhibitor, 5 debridements arthroscopic of the ankle, 23 debridements arthroscopic in knee, 2 resections of radial head, shoulder arthroscopic debridement, drainage and debridement of pseudotumor in femur. A surgical debridement and arthrodesis of the knee.



- **Results:** Significant improvement according the HJHS with an average score of 93 preoperative and postoperative of 55, increasing functionality, reduces pain and improves the quality of life, complications presented were wound dehiscence, loss of prostheses and knee fusion. A postoperative hematoma who required antibiotic and surveillance, development of high response inhibitors after knee surgery



- **Conclusion:** The surgery can relieve pain and improve function of symptomatic hemophilic patient with advanced arthropathy, increasing their quality of life, with the multidisciplinary treatment orthopedic surgery in hemophiliacs with or without inhibitors can be performed with high expectations of success and security.



Bibliography:

Pasta G, Forsyth A, Merchan C, Mortavazi J, Silva M, Mulder K, Mancuso E, Perfetto O, Heim M, Caviglia H, Solimeno I, Orthopaedic management of haemophilia arthropathy of the ankle. *Haemophilia*, 2008,14; (suppl 3), 170-176

Goddard NJ, Mann HA, Lee CA. total knee replacement in patients with end-stage haemophilic arthropathy. *The journal of bone and joint surgery*, 2010, Vol 92-B, No 8; 1085:1089

Rodriguez Merchan E.C. Aspects of current management: orthopaedic surgery in haemophilia. *Haemophilia* (2012), 18, 8-16.

Rodriguez Merchan E.C.; Jimenez V; Gomez P; Alvarez M. Surgery in haemophilia patients with inhibitors, with special emphasis on orthopaedics: Madrid experience. *Haemophilia*. (2010), 16, 84-88.

