

IMSUT Hospital

Department of Joint Surgery

関節外科

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Department of Joint Surgery was established in 2006. Our clinical mission is evaluation and treatment of hemophilic arthropathy. In Japan, many hospitals are able to control bleeding for hemophilia by concentrates, however there are few hospitals focus on surgical treatments except us. Many hemophilia patients come to our department from all over Japan. We evaluate their joint condition and function roentgenographically and physiotherapeutically and decide indication of surgical treatment. Many of patients will be performed joint arthroplasties and arthroscopic synovectomy to improve their quality of life. We researched how to control bleeding adequately during perioperative period as well.

As basic mission, we started the research for pathogenesis of hemophilic arthropathy, collaborated with the department of orthopedic surgery, the University of Tokyo. The aim of this research is to develop mesenchymal stem cell therapy for hemophilic arthropathy.

From 2006 to 2023, more than 270 surgical treatments for hemophilia induced other coagulation diseases such as deficiency factor VII, Von Willebrand

diseases of afibrinogenemia. Some of them have the deficiency factor antibody as well.

Publication 2023

Kumiko Ono, Jun Hirose, Megumi Noguchi, Kayoko Asano, Masaaki Yasuda, Hideyuki Takedani Extension contracture stiff knee in haemophilia: Surgical

timing and procedure for total knee arthroplasty. *Mod Rheumatol.* 2023 Jul 4;33(4):851-855. doi: 10.1093/mr/roac067.