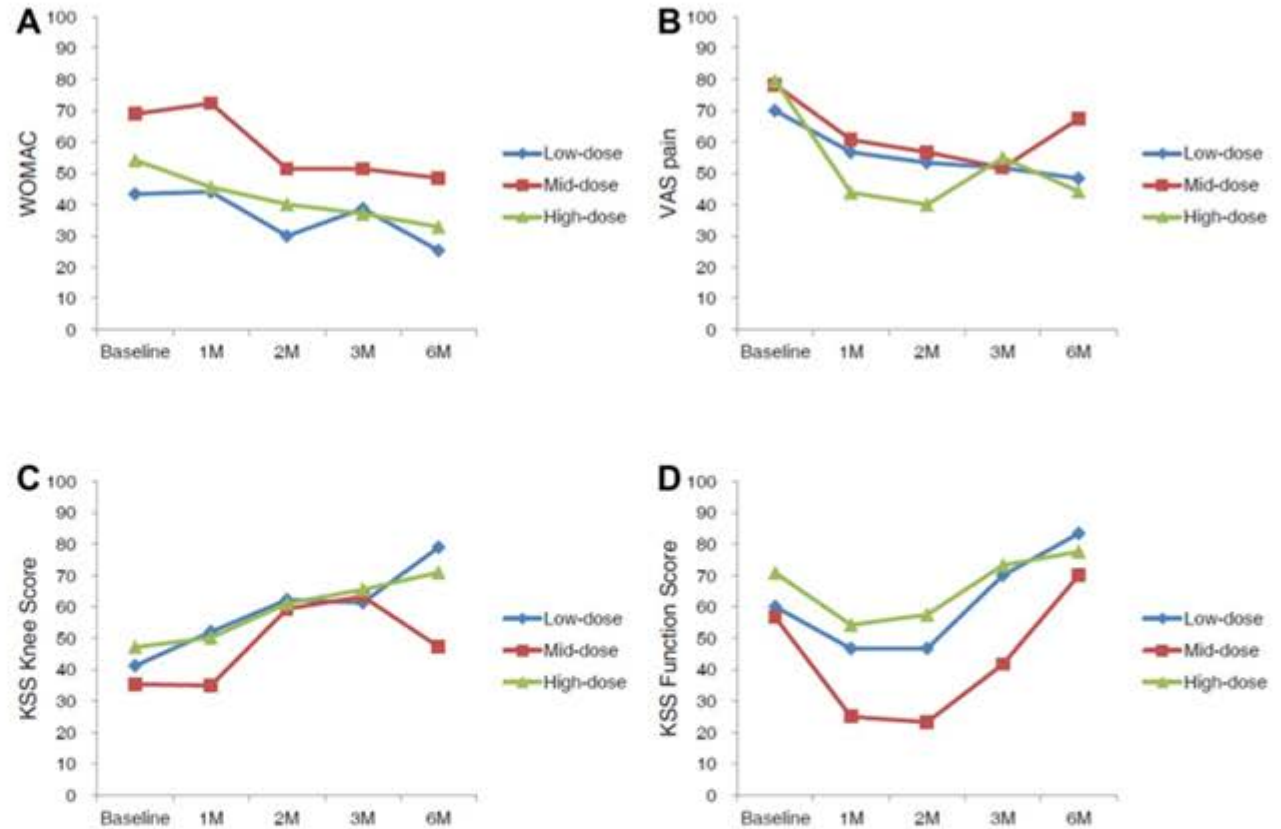


変形性関節症  
レポート①

変形性膝関節症の  
間葉系幹細胞を  
用いた臨床試験

CHRIS HYUNCHUL JO ,et.al .  
Intra-Articular Injection of  
Mesenchymal Stem Cells for  
the Treatment of  
Osteoarthritis of the Knee: A  
Proof-of-Concept Clinical  
Trial  
Stem Cells 2014;32:1254-126



**Figure 2.** Changes of WOMAC, VAS for knee pain, and KSS knee and function score during 6 months after intra-articular injection of adipose derived mesenchymal stem cell (AD MSCs). **(A):** The WOMAC score. It showed a tendency of improvement in all dose groups over 6 months. However, the statistical significance was found in the high-dose group only. **(B):** Knee pain also showed a decreasing tendency over time but with the statistical significance only in the high-dose group. **(C):** KSS knee score similarly improved during 6 months in all dose group. The statistical significance was found in the high-dose group. **(D):** KSS function score showed a tendency of initial decrease and recovery after 2 months in all dose groups. The initial decrease was due to non-weight bearing for first 2 months after injection. Abbreviations: KSS, knee society clinical rating system score; VAS, visual analog scale; WOMAC, Western Ontario and McMaster Universities Osteoarthritis index.