CASE REPORT

Perineural Fibrosis of the Digital Nerve: an Unusual Archery-related Finger Injury

Liu KL, Hung LK, Ho PC
Department of Orthopaedics and Traumatology, Prince of Wales Hospital, The Chinese University of Hong Kong, Hong Kong

ABSTRACT
A 46-year-old male archery enthusiast developed painful perineural fibrosis around the ulna digital nerve of his right middle finger. Exploration and neurolysis were performed in March 2002. Prompt resolution of symptoms was noted and he resumed archery 6 weeks after the surgery and remained active in local competitions. The mechanism of injury and pathology had a striking similarity to ‘bowler’s thumb’. The key to a successful outcome is recognition of the condition and preservation of neural continuity.

Key Words: Fibrosis, Finger injury, Nerve, Sports injury

中文摘要
指神經周圍纖維化: 發生於弓箭手的罕見手部神經損傷
廖錦樂、熊良俊、何柏昌

一例46歲射箭愛好者由於弓弦韌帶長期反覆壓迫，導致中指尺側指神經疼痛性神經周圍纖維化，並於就症前一年因此而終止比賽。2002年3月進行顯微鏡下探查及神經松解術後症狀解除，患者術後6周重新恢復射箭運動並積極參與本地競賽。文獻中尚未報導類似損傷及治療方法。這類損傷的機制和病理與‘保齡球拇指’類似。治療成功的關鍵是及早認識這一疾病並保護神經的連續。