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Synovial osteo-chondromatosis at the carpo-metacarpal joint of the thumb: A case report

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Introduction: We present a case of the synovial osteochondromatosis which affected the carpo-metacarpal joint of the thumb. The mass was surgically resected and no recurrence has appeared for three- year follow-up.

Case study: A 57-year-old woman was present at our institution, suffering from pain and swelling at the left thumb. She had felt the pain for 5 years and noticed the mass at three years ago. The pain had gradually been exacerbated and the mass had also gradually swollen. Radiography, CT and MRI revealed rugged bony mass (approximately 25×25×15mm) at the carpo-metacarpal joint of the thumb. After one month, the mass was surgically resected in two pieces. Histological examination revealed synovial chondromatosis and no malignancy. At 3 months postoperatively, she felt no pain and no restriction of the range of motion at any joints. The recurrence has not occurred for three-year follow-up.

Discussion: Synovial osteochondromatosis in the hand is uncommon. To our best knowledge, there are some reports of the intra-articular synovial osteochondromatosis in the hands but only one English literature reported the synovial osteochondromatosis at the carpo-metacarpal joint of the thumb.

Biography

Hiroyoshi Hagiwara has graduated from Hirosaki University and is currently working for Tochigi Medical Center Shimotsuga General Hospital, Japan. He has published many abstract and research abstract in many reputed national and international journal.

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