Title: Intraarticular Hemorrhage Due To Bevacizumab In A Patient With Metastatic Colorectal Cancer: Case Presentation

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ABSTRACT
Introduction: ….. It has some specific side effects including severe bleeding, wound healing problems, gastrointestinal perforation, proteinuria and hypertension.

Case report: We present a 65-year old Asian male patient with synovial metastasis of the knee who experienced intraarticular hemorrhage after bevacizumab treatment. He was presented with monoarthritis on the left knee.

KEY WORDS: Bevacizumab, Colorectal cancer, synovial metastasis, intraarticular hemorrhage

INTRODUCTION … Survival rates has been increased from 41% to 66% between 1950 and 2000.

…. Later, targeted therapies beginning with bevacizumab in 2004 had improved the overall survival of metastatic colorectal cancer up to 2 years.

… It has some specific side effects including severe bleeding, wound healing problems, gastrointestinal perforation, proteinuria and hypertension.

… We report a case of knee joint metastasis colon adenocarcinoma who experienced intraarticular hemorrhage subsequent to bevacizumab treatment.

CASE REPORT
A 65-year old Asian man was diagnosed as stage 3 colon cancer and treated with adjuvant fluorouracil and leucovorin.

…Chemotherapy with capecitabine and bevacizumab was started (Capecitabine 1000 mg/ m² twice a day 1-14 days. Bevacizumab 7.5 mg/kg on the 1st day, every 21 days). Oxaliplatin or irinotecan-based chemotherapy could not be granted due to poor performance score.

…Bevacizumab and capecitabine at the same dose and frequency was restarted. After the first course of the regimen he presented with monoarthritis on the left knee.

… Laboratory studies revealed a hemoglobin value of 10.2 g/dl; white blood count of 7800/mm3 (NR<10800), C-reactive and C-reactive protein 0.45 mg/dl (NR <0.4 mg/dl).

… The MRI magnetic resonance imaging revealed synovial metastasis of the knee (Fig 1). Cytologic examination was not done, and he denied to have an arthroscopic biopsy.
DISCUSSION
…If these measures fail and joint instability cause significant pain external or internal fixation may be considerable considered.

CONCLUSION
…Clinicians should examine the symptoms of monoarthritis carefully in patients with treated with bevacizumab and should not continue the therapy until they rule out intraarticular hemorrhage.

Authors' contributions
…MU and HSC designed the work; MU wrote the paper, MU, HSC, SSG, BS, MO and HB followed up the patient followed up with the patient.