

— 臨床 —

顎骨壊死をきたしたメトトレキサート関連リンパ増殖性疾患の1例

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Methotrexate-associated lymphoproliferative disorder causing osteonecrosis of the jaw : a case report

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Abstract

Methotrexate (MTX) is considered as the first-line drug for treatment of rheumatoid arthritis (RA), but its long-term administration has been reported to cause MTX-related lymphoproliferative disorder (MTX-LPD). We experienced a case of MTX-LPD with osteonecrosis of the jaw similar to medication-related osteonecrosis of the jaw (MRONJ).

A 71-year-old woman had been treated with MTX, bisphosphonates (BPs), and corticosteroids for RA for about 15 years. She was referred to our clinic because she had bone exposure after extraction of three right maxillary incisors at the referral clinic. Osteonecrosis of the jaw was observed from the right maxillary first molar to the left central incisor. A diagnosis of MRONJ was made. Administration of BPs was discontinued and sequestrectomy was performed. The histopathologic diagnosis was MRONJ. After the surgery, refractory ulceration was observed in the gingiva of the left maxillary anterior teeth, and a histopathology specimen of the resected material was reexamined. The reexamination revealed findings of Epstein-Barr virus (EBV)-positive MTX-LPD. After treatment with MTX was discontinued and follow-up was performed, osteonecrosis of the left maxillary anterior teeth was observed again, and sequestrectomy was performed. The histopathological diagnosis was MRONJ and possible MTX-LPD. Postoperatively, the patient was fitted with upper and lower complete dentures and no evidence of recurrent MTX-LPD was observed 2 years after the initial surgery.

Because the pathogenesis of MTX-LPD is diverse and may be accompanied by osteonecrosis of the jaw, diagnosis and treatment of MTX-LPD require careful attention.

Key words: methotrexate-related lymphoproliferative disorder (MTX-LPD), medication-related osteonecrosis of the jaw (MRONJ), rheumatoid arthritis (RA)

【抄録】

メトトレキサート (MTX) は、抗リウマチ薬として関節リウマチ (RA) の第一選択薬とされているが、長期投与によって MTX 関連リンパ増殖性疾患 (MTX-LPD) を引き起こす可能性が報告されている。今回、薬剤関連顎骨壊死 (MRONJ) に類似した顎骨壊死を伴う MTX-LPD の症例を経験した。

患者は71歳の女性。15年ほど前よりRAに対しMTX、ビスフォスフォネート製剤 (BP製剤) ならびにステロイド剤の投与が行われていた。かかりつけ歯科医院において、右側上顎前歯3本を抜歯したところ、治療不全で骨の露