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Name of Journal: *World Journal of Clinical Cases*

Manuscript NO: 60900

Manuscript Type: CASE REPORT

Extraosseous spinal epidural plasmocytoma associated with multiple myeloma: Two case reports

Cui JF *et al.* Extraosseous spinal epidural myeloma

Jiu-Fa Cui, Ling-Ling Sun, Hua Liu, Chuan-Ping Gao

Abstract

BACKGROUND

Multiple myeloma is a malignant hematological disease characterized by proliferation of monoclonal plasma cells mainly in the bone marrow. Extraosseous epidural plasmacytoma associated with myeloma arises from lymphoid tissue in the epidural space without focal vertebral involvement and is rare.

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Dec 25, 2001 · DISCUSSION. In multiple **myeloma**, **spinal** compression occurs for various reasons: compression fracture of the vertebral body, isolated **epidural** tumor of **myeloma**, or extension of **myeloma** from the other tissue into the **epidural** space. 3 The incidence of compression fracture with or without cord compression affects between 55 and 70% of patients with multiple **myeloma**. 4 ...

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Author: Long Di, Kevin Huang, Tigran Kesaya... Publish Year: 2020

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Multiple myeloma is the commonest primary malignancy of the spine, but it rarely presents as an **extraosseous epidural tumor** with only five **cases reported** in literature so far.

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Extraosseous, epidural tumour spread of multiple myeloma ...

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May 01, 1996 · **Multiple myeloma** before onset of radiation therapy. (a,c) Sagittal and axial T2-weighted images demonstrate a large, **epidural** mass in the dorsal **spinal** canal with inhomogenous high signal intensity. **Spinal** cord compression and paravertebral tumour manifestation is visible. All verte- bral bodies show patchy areas of high signal intensity.

Cited by: 16 Author: M. Palmbach, W. Hoffmann, W. Grodd, E. P...
Publish Year: 1996

Multiple Myeloma

Medical Condition

Cancer of mature plasma cells in the bone marrow.

📅 Rare (Fewer than 200,000 cases per year in US)

🧪 Often requires lab test or imaging

👨🏻‍⚕️ Treatment from medical professional advised

🕒 Can last several years or be lifelong

The exact cause is not known but factors like family history and exposure to radiation increase risk. Symptoms include fatigue, nausea, constipation and bone pain among others. Treatment includes medication, radiotherapy, or bone marrow transplant.

Symptoms

Some forms of multiple myeloma may be asymptomatic, but most cases show any, or all of the four characteristic symptoms. Other symptoms are most often, a consequence of these symptoms.

- Hypercalcemia: Increased levels of calcium in the blood leads to extreme thirst, loss of appetite, nausea, confusion and constipation
- Increased protein levels in the body causes kidney damage
- Anemia occurs when cancer cells outnumber healthy RBCs. Anemia causes fatigue, dizziness and irritability
- Bone problems: Injuries, lesions and pain in the pelvis, back and ribs

Multiple myeloma weakens the immune system and increases susceptibility to infection.

Treatments

Treatment aims to kill cancer cells and control tumor growth.

Medication

- Chemotherapy: To kill rapidly multiplying cells; is non-specific and can also kill healthy fast-growing cells.
[Vincristine](#) · [Doxorubicin](#)