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 가
 (Monostotic form) 34 /
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Tel: 042) 220-7351, Fax: 042) 253-3010, E-mail: jyyang@cnuh.co.kr, jyyang@cnu.ac.kr
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 (Fig. 1).

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Fig. 1. Roentgenogram of the lumbar spine AP and Lateral demonstrating a radiolucent and expansile lesion of the 3rd lumbar vertebral body.

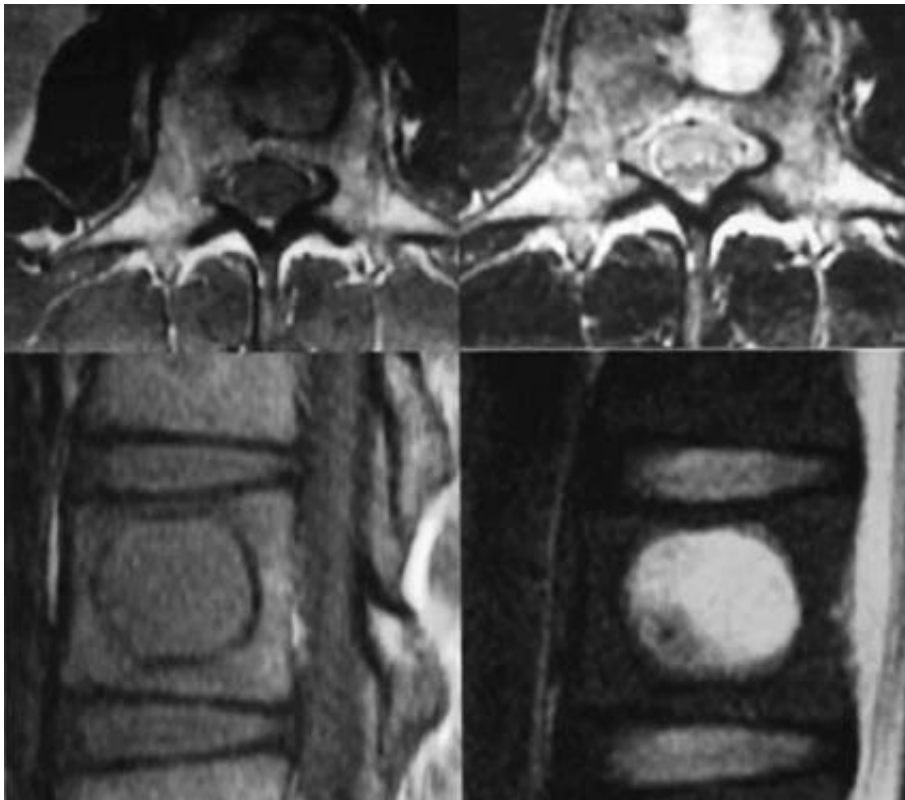


Fig. 2. Magnetic resonance image
 T1W1: Homogeneous low signal lesion of the 3rd vertebral body (Left).
 T2W1: Homogeneous high signal lesion of the 3rd vertebral body (Right).

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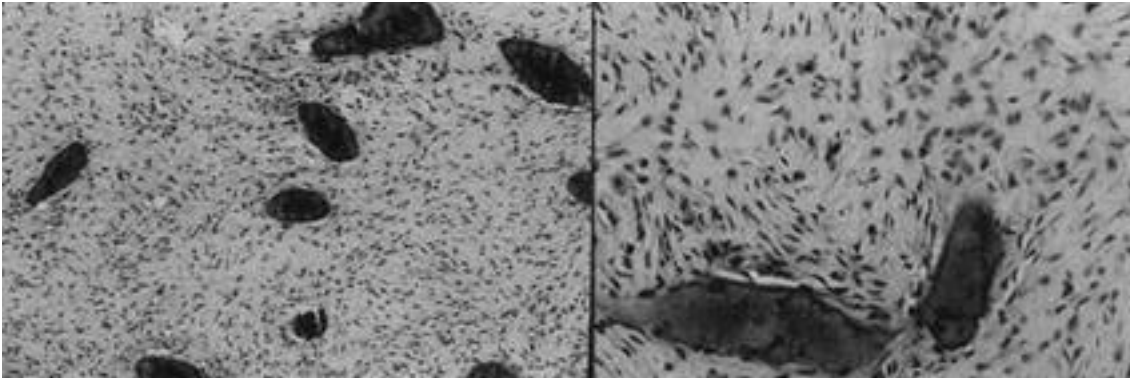


Fig. 3. The biopsied bone tissue is largely replaced by proliferating fibrous connective tissue with focally presenting woven bone trabeculae in Y-shape (H and E stain, 200) (Left). The higher magnification reveals the Y-shaped bone trabeculae with no osteoblastic rimming (H and E stain, 450) (Right).

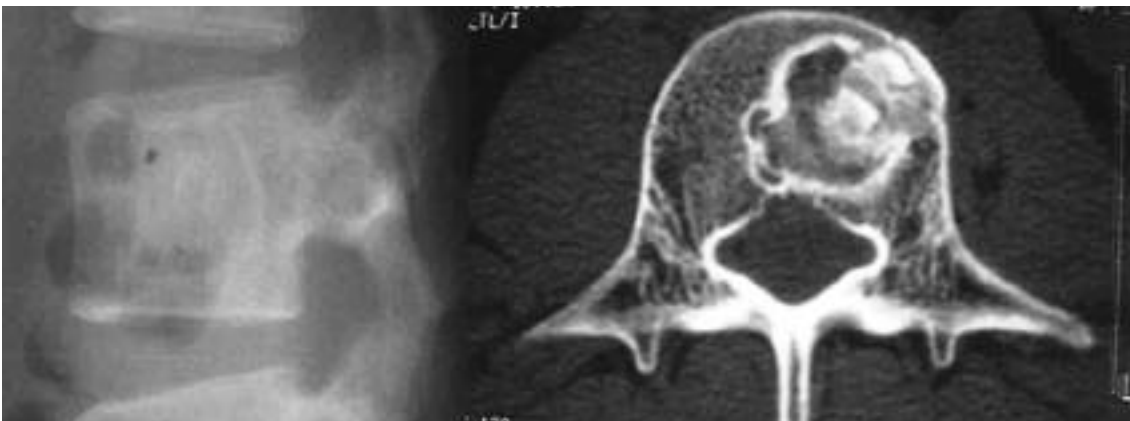


Fig. 4. Postop. 6 months radiography showing solid bone union.

12) 3 Oba 14) 48
, 1 (Monostotic form)
, 2 hydroxyapatite
(polyostotic)

, 3 McCune-Albright
, 2 Cafe-au-lait spots
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7)

McCune-Albright
stimulatory G-protein gene alpha
subunit cAMP 가
Nabarro 13) 7

22)
Candelieri 5) c-fos proto-oncogene
adenylate cyclase 가
clear margin
, Avimadje 3)
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Chow 4) 47
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**Monostotic Fibrous Dysplasia in the Spine
- A Case Report -**

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Fibrous dysplasia is a condition characterized by the replacement of the medullary component of predominantly long bone with fibrous tissues. The monostotic form of the fibrous dysplasia occurs more frequent than the polyostotic form.

Only the twenty three previous cases of vertebral involvement in monostotic fibrous dysplasia have been reported. Authors experienced a case of monostotic fibrous dysplasia of the third lumbar vertebra, so we report this case. Report details the diagnosis and treatment of a 34 years old man with back pain from monostotic fibrous dysplasia of the third lumbar vertebra. We discuss the experience in the consideration of previous report to recommend the optimal management of this disease.

Key Words: Lumbar vertebra, Monostotic fibrous dysplasia

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