

"Ground Glass" Appearance on Imaging

Ground Glass

Fibrous dysplasia will show three main features on imaging, including cystic/lucent, sclerotic, or mixed. Lesion of fibrous dysplasia is well-circumscribed, lytic, or ground glass-like in density. It may be seen in the metaphyseal or diaphyseal location on plain radiographs.

Complication

Fracture

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The bone that is affected by fibrous dysplasia is weaker than normal bones, which causes a high risk of fracture in patients. This is also called a pathological fracture.

Association

McCune-Albright Syndrome

Raccoon All-bright

Fibrous dysplasia (polyostotic form) is also part of McCune-Albright syndrome, along with unilateral café-au-lait spots with ragged edges and at least one endocrinopathy manifestation (e.g., precocious puberty).

Treatment

Supportive

Supportive IV Bags

Patients can be managed with supportive treatment, which includes physical therapy to strengthen muscle and enhance range of motion, and bisphosphonates that can help to reduce bone pain and the risk of osteoporosis. Surgery can be used to help to prevent and treat fractures, scoliosis management, and repair of misshapen bone.