

**Tumors with Fatty,
Muscular, Osseous, and
Cartilagenous
Differentiation of the Skin**

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Match the Lipoma!

Lipoma Variant	Histopathology
Angiolipoma	CD34+ Loss of chromosome 16q
Spindle cell lipoma	Floret type giant cells
Pleomorphic lipoma	Mulberry cells
Hibernoma	Lacks characteristic chromosomal anomalies of lipomas

Answers

Lipoma Variant	Histopathology
Angiolipoma	Lacks characteristic chromosomal anomalies of lipomas
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Hibernoma	Mulberry cells

Most helpful to distinguish lipoblastoma from liposarcoma include:

- Age of the patient
- Presence of lipoblasts
- Rearrangement of chromosome 8q11-q13
- Sex of patient
- Mature adipose tissue

May have more than one answer

Answers

- Age of the patient
- Rearrangement of chromosome 8q11-q13

Aggressive histopathological parameters for liposarcoma:

- Round cell type
- Inflammatory type
- Sclerosing type
- Subcutis location
- Dedifferentiation

May have more than one answer

Answers

- Round cell type
- Dedifferentiation

Zonation Growth Pattern

- Outer mature bone surrounding cellular stroma
- Inner mature bone surrounded by cellular stroma

Which pattern is typically associated with myositis ossificans versus osteosarcoma?

Answers

- Outer mature bone surrounding cellular stroma-myositis ossificans
- Inner mature bone surrounded by cellular stroma-osteosarcoma