**INTRODUCTION**

- Esophageal sarcoma is a rare tumor most commonly presenting in the thoracic esophagus of adult males
- The literature contains case reports and small case series describing pathology and imaging features
- Our team compiled the largest known systematic review of the literature regarding esophageal sarcoma: 89 cases in 56 publications

**METHODS**

- PubMed search conducted via Medline, SCOPUS, and Ovid engines for “esophageal sarcoma,” and “radiology,” or “imaging,” or “pathology,” or “immunohistochemistry”
- Results were sorted for case reports without any language or date limits.
- References of all relevant publications were evaluated for possible missed citations
- Inclusion criteria include tumor confirmation by pathology, inclusion of patient age at diagnosis, sex, and tumor location

**RESULTS**

**Sarcoma Sex Distribution**

- Males: 12%
- Females: 88%

**Frequency of Case Reports by Age Group**

- 0-9: 2 cases
- 10-19: 3 cases
- 20-29: 17 cases
- 30-39: 24 cases
- 40-49: 10 cases
- 50-59: 10 cases
- 60-69: 5 cases
- 70-79: 2 cases
- 80-89: 1 case

**Tumor Location**

- Upper 1/3: 10%
- Middle 1/3: 23%
- Lower 1/3: 67%

**Pathology Stain % Positivity**

- Vimentin: 88%
- CD99: 12%
- H&E: 50%
- Ki-67: 48%
- Cytokeratin: 20%
- p53: 10%
- Retinulin: 5%

**SUMMARY**

- Esophageal sarcomas are often rapidly growing neoplasms of the lower esophagus
- Distinguishing histologic features include a biphasic carcinomatous and spindle cell appearance with prominent mitotic activity
- Positive stains include Vimentin, CD99, Retinulin, p53, and Cytokeratin for epithelial components
- Esophageal sarcomas are negative on S100 staining

**CONCLUSION**

- Consider esophageal sarcoma in middle-aged to elderly males who present with rapidly growing neoplasms of the lower esophagus.

**CREDITS/DISCLOSURE/REFERENCES**

- Golioto M, McGrath K. “Primary lymphoma of the esophagus in a chronically immunosuppressed patient with hepatitis C infection: case report and review of the literature,”

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Complete references available via QR Code