

Evaluating international patterns of textbook outcomes in surgical resection of retroperitoneal sarcoma

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The Effort:

- TARPSWG
- Society for Surgical Oncology
- European Society of Surgical Oncology
- Connective Tissue Oncology Society
- Others



Defining Quality:

- Composite Measures: combination of individual metrics †
- Textbook Outcomes:
 - Colon cancer – 2013
 - Esophagectomy – 2017
 - HPB Surgery – 2018*
 - RPS – 2020**



†Dimick, et al JAMA 2004



†Merath et al Ann Surg 2018

*Wiseman et al., JSO, Nov 2020; Moris et al., Anticancer Res., Apr 2020

The AIM:

- To characterize the incidence, predictive factors, and clinical ramifications of textbook outcomes in patients undergoing resection of retroperitoneal sarcoma.

Objectives:

- Primary - is to determine rates of textbook outcomes in retroperitoneal sarcoma resection in an international cohort of patients
- Secondary –
 - Elucidate preoperative factors, including age, ASA status, number of organs resected, tumor type, size and tumor grade, that are associated with likelihood of achieving a textbook outcome
 - Evaluate the impact of achieving textbook outcomes on patient overall survival, disease free survival, local relapse free survival and distant relapse free survival
 - *Determine whether textbook outcomes have improved over time

Methods:

- This is a non-interventional, retrospective study, utilizing data from the TARPSWG Retroperitoneal Sarcoma Registry (RESAR)
- Inclusion Criteria:
 - Adults ≥ 18 yrs
 - Patients who underwent surgical resection with curative intent for RPS, between January 1, 2010 and December 31, 2020
- Exclusion Criteria:
 - Patients undergoing surgery for palliative treatments

Methods:

- Textbook outcome definition:
 - A patient with R0/R1 resection
 - No reoperation or grade ≥ 3 complication
 - No prolonged hospital stay ($>50^{\text{th}}$ percentile)*
 - No 90-day readmission
 - No 90-day mortality
- Statistical Plan
 - Multivariate analysis will be performed to determine factors associated with patients having a textbook outcome
 - Kaplan-Meier estimates to generate OS and DFS curves

**Wiseman et al., JSO, Nov 2020; Moris et al., Anticancer Res., Apr 2020*

Current Status:

- Protocol submitted to OSU/CCC Clinical Scientific Review Committee (CSRC)
- Pending CSRC approval, IRB will be submitted with planned review 12/2021
- Authoring Data Sharing and Management Plan

The Ask:

- Please confirm participation and begin/accruing patients
- Email comments/suggestions regarding:
 - Name of our composite measure: Textbook Outcome, Optimal Surgery, Optimal Oncologic Surgery, etc.
 - Definition of composite measure