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16.4% STAS +

268 PATIENTS
RESECTED
LUNG ADENOCARCINOMASINGLE CENTER
2 YEARS (2023-2024)

INTRODUCTION

Increasing evidence suggest
STAS → more aggressive tumor biologyIdentifying factors associated with STAS
may improve

- risk stratification
- support surgical decision-making regarding the extent of resection

METHODS

Retrospective study of patients undergoing
pulmonary resection with curative intent
for primary lung adenocarcinomaWe performed logistic regression analysis.
Separate models were constructed to evaluate
clinical (preoperative) and pathological factors.*Primary Objective*
Identify **clinical and pathological predictors** of STAS

CONCLUSION

Higher value of PET-FDG SUVmax values and female sex
emerged as independent predictors of STASHigh-grade histologic patterns showed the most pronounced association with STAS
Given the relatively limited sample size, these findings should be considered preliminary
and require validation in larger cohorts

RESULTS

44 PATIENTS
STAS +
224 PATIENTS
STAS -

RADIOLOGIC CATEGORIES

GGO

Subsolid

Solid

Prevalence of STAS

10.3%

9.4%

23.3%

Upward pattern toward radiologic **solid** tumors ($p = 0,008$)

CLINICAL MODEL

Higher SUVmax | Female Gender
were **independently associated** with STASSolid tumors
showed **higher prevalence of STAS**
(no statistical significance)Age | Tumor size | Clinical stage
were not independent predictors

PATHOLOGICAL MODEL

High-grade Histologic Patterns
strongly associated with STASTumor size | pT | pN |
Lymphovascular invasion
were not independent predictors

VARIABLE	Odds Ratio	IC95%	p value
Female Gender	2.07	1.02 - 4.19	0.043
SUVmax (PET-FDG)	1.09	1.02 - 1.17	0.016
Tumor Size (CT scan)	1.00	0.97 - 1.030	0.846
Solid vs GGO	1.72	0.50 - 5.94	0.390
Subsolid vs GGO	0.79	0.22 - 2.86	0.722
Clinical Stage	0.95	0.70 - 1.29	0.736
Age	1.04	1.00 - 1.08	0.0.57

VARIABLE	Odds Ratio	IC95%	p value
High-grade Histology (Solid or Micropapillary Pattern)	8.38	3.09 - 22.71	<0.001
pT	1.07	0.82 - 1.39	0.610
pN	1.52	0.69 - 3.33	0.290
Lymphovascular Invasion	1.39	0.63 - 3.07	0.410