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BACKGROUND

Most reports on lung fine needle aspiration cytology (FNAC) demonstrate that the diagnostic accuracy tends to decrease with the size of the lesions, and that the frequency of complications increases as the size of lesions decreases.

PURPOSE

of patients with SPN can reduce the number of unnecessary surgery. in diameter. Moreover, we evaluated how this procedure during the initial evaluation complications related to FNAC of solitary pulmonary nodules (SPNs) of 15 mm or less The aim of this prospective study was to describe the accuracy and incidence of

MATERIAL AND METHODS

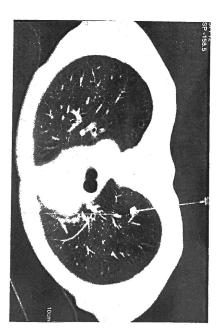
A total of 68 patients were candidate to CT guided FNAC diameter were referred to our Institution. Patients with risk factors such as ASA 3, FEV1 <70% of predicted, cardiac comorbidity or previous chest surgery were enrolled From January 2012 to December 2014, 225 patients with an SPN between 7-15 mm in

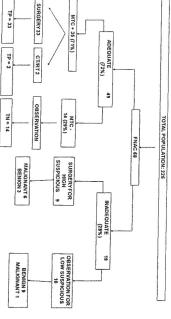
RESULTS

the number of passages (p = 0.01). of the total number, 16 patients (23%) avoided surgery. A post-biopsy pneumothorax was detected in 27 cases (39%). The pneumothorax rate was significantly affected by specificity was 100%. Positive and negative predictive values were 83% and 100%. Out out of 68 smears (72%) were considered adequate for diagnosis. Sensitivity was 83%, The prevalence of malignant pathology in the whole population was 61%. Forty-nine

CONCLUSIONS

undiagnosed pulmonary lesions to FNAC during the initial evaluation significantly In our experience the diagnostic accuracy value was high. Subjecting patients with reduces the number of unnecessary surgical procedures. davide.tosi@policlinico.mi.it





1 (1.4%)	•)	19 (28%)		27 (39%)	TOTAL (%)
0		14		19	3 PASSAGES
0	p = 0.03	1	p = 0.01	2	2 PASSAGES
-		4		6	1 PASSAGE
HAEMOPTYSIS	INAGE	CHEST DRAINAGE	DRAX	PNEUMOTHORAX	