PC003

CHIRURGIE CERVICO-FACIALE ET CANCÉROLOGIE

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Introduction

- Nodal metastasis secondary to thyroid carcinoma are frequent.
- Skip metastasis are represented by lateral neck metastasis without central nodal metastasis. Their occurrence is not rare but it can easily misdiagnosed pre-operatively.

Objectifs

• We aim to determine risk factors of the occurrence of skip metastasis in papillary thyroid carcinoma (PTC).

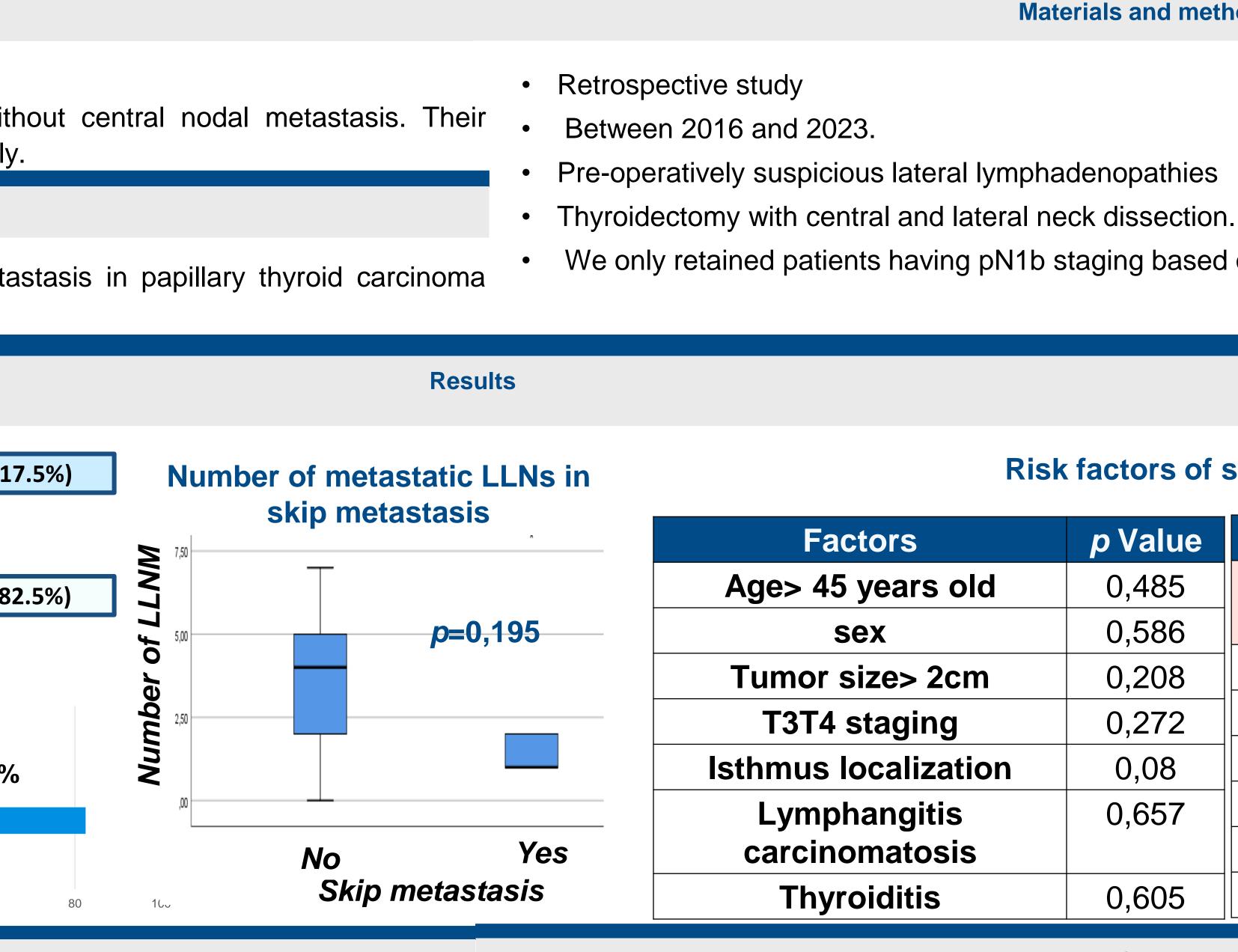
Total number: 40 patients. Mean age: 44.75 years old (±13.88) Female to male ratio: 7						
Number /%						
40 (100%)						
40 (100%)	Level II		1	47.5%	D	
25 (62,5 %)	Level III				62	<mark>5</mark> %
15 (37.5%)	Level IV			82.5	%	
11 (27.5%) 4 (10%)			10 %	40		60
	4 (±13.88) Number /% 40 (100%) 40 (100%) 25 (62,5 %) 15 (37.5%)	H (±13.88) Number /% 40 (100%) 40 (100%) 40 (100%) 25 (62,5 %) 15 (37.5%) 11 (27.5%)	H (±13.88) Number /% 40 (100%) 40 (100%) 25 (62,5 %) 15 (37.5%) 11 (27.5%)	$\begin{array}{c} \text{(\pm13.88)} \\ \hline \\ Number /\% \\ 40 (100\%) \\ 40 (100\%) \\ 40 (100\%) \\ 15 (37.5\%) \\ 11 (27.5\%) \\ \text{Level IV} \\ \text{Level V} \\ 10 \% \end{array}$	A (±13.88) Number /% 40 (100%) 40 (100%) 25 (62,5 %) 15 (37.5%) 11 (27.5%) Level IV 82.5 Level V 10 %	d (±13.88) No Skip metastasi Number /% No Skip metastasi 40 (100%) Level II 40 (100%) Level III 25 (62,5 %) Level III 15 (37.5%) Level IV 11 (27.5%) Level V

Conclusion

- The occurrence of skip lateral lymph node metastasis is common
- It is mainly observed in tumors located at the upper third of the thyroid gland lobe. Such localization was reported to be associated with the risk of skipping the central compartment and a direct metastasis to level II. Conversely, tumors located at the lower 2/3 tend to spread to the CLN then levels III and IV
- Other reported risk factors of skip LLNM are: tumor size, extra-thyroid extension, age>55 years old, and female sex
- Patients presenting these risk factors need a thourough pre-operative and peri-operative evaluation of the nodal status,

Risk factors of skip metastasis in papillary thyroid carcinoma

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- medicine, 2023

Materials and methods

We only retained patients having pN1b staging based on the AJCC staging system.

Risk factors of skip metastasis

S	<i>p</i> Value	Factors	<i>p</i> Value	
ars old	0,485	Upper 1/3 tumor	0,014	
	0,586	localisation		
> 2cm	0,208	Capsular infraction	0,578	
ging	0,272	Multifocality	0,255	
lization	0,08	Bilateral tumors	0,388	
gitis	0,657	Perilymphatic extension	0,638	
tosis		Vascular invasion	0,145	
itis	0,605	Extra-thyroid extension	0,635	
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References

Dou et al. PTC located in the upper pole is more prone to lateral lymph node metastasis and skip metastasis, World Journal of Surgical Oncology, 2020

Jianyong Lei, Skip lateral lymph node metastasis leaping over the central neck compartment in papillary thyroid carcinoma, oncotarget, 2017

Wu et al, Risk factors for skip metastasis in patients with papillary thyroid microcarcinom, cancer

