

EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



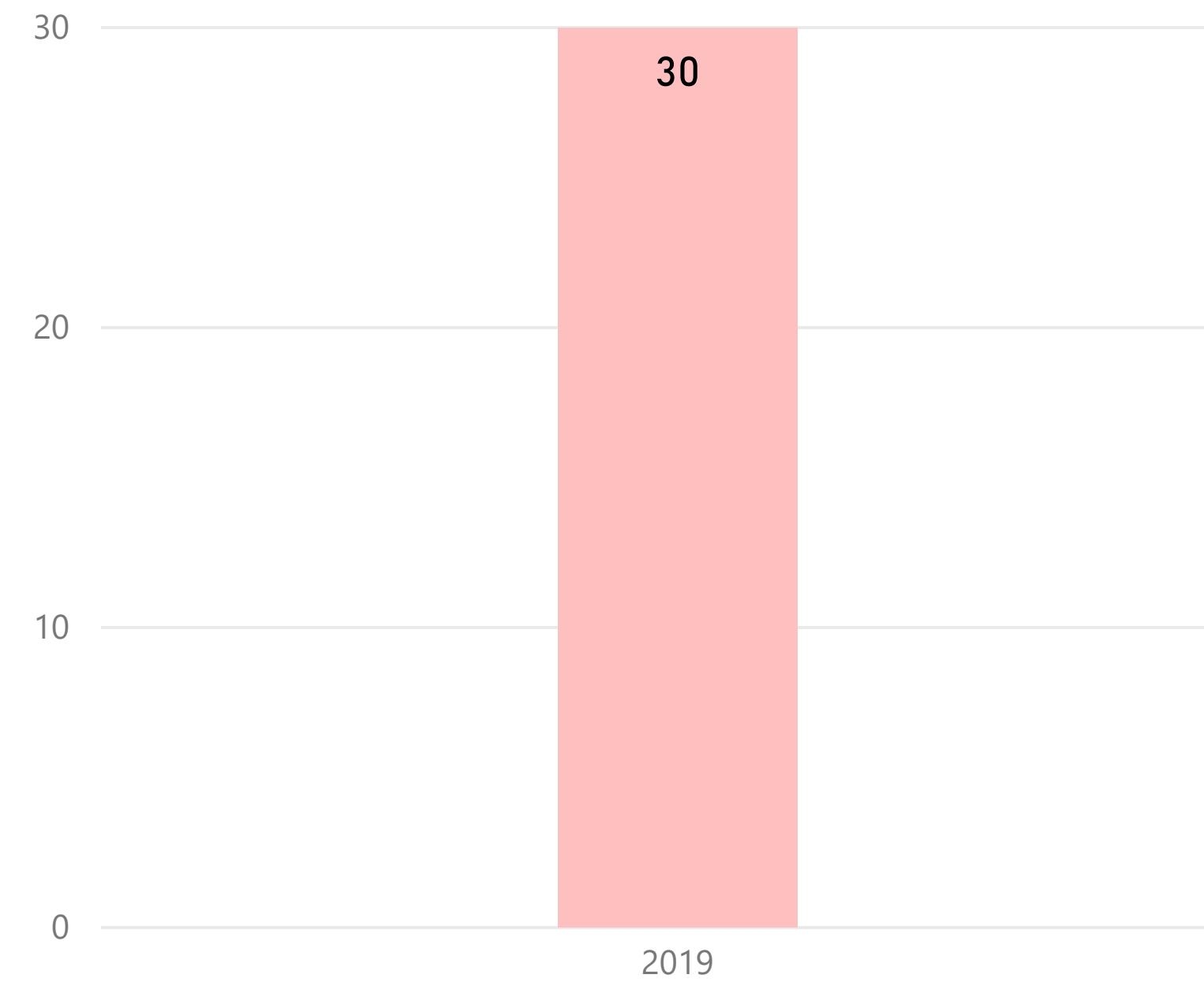
Investigated Clinic	Benchmark Clinics	Investigated Year
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Report compiled by Anders Bergenfelz, Thomas Clerici and Thomas Musholt

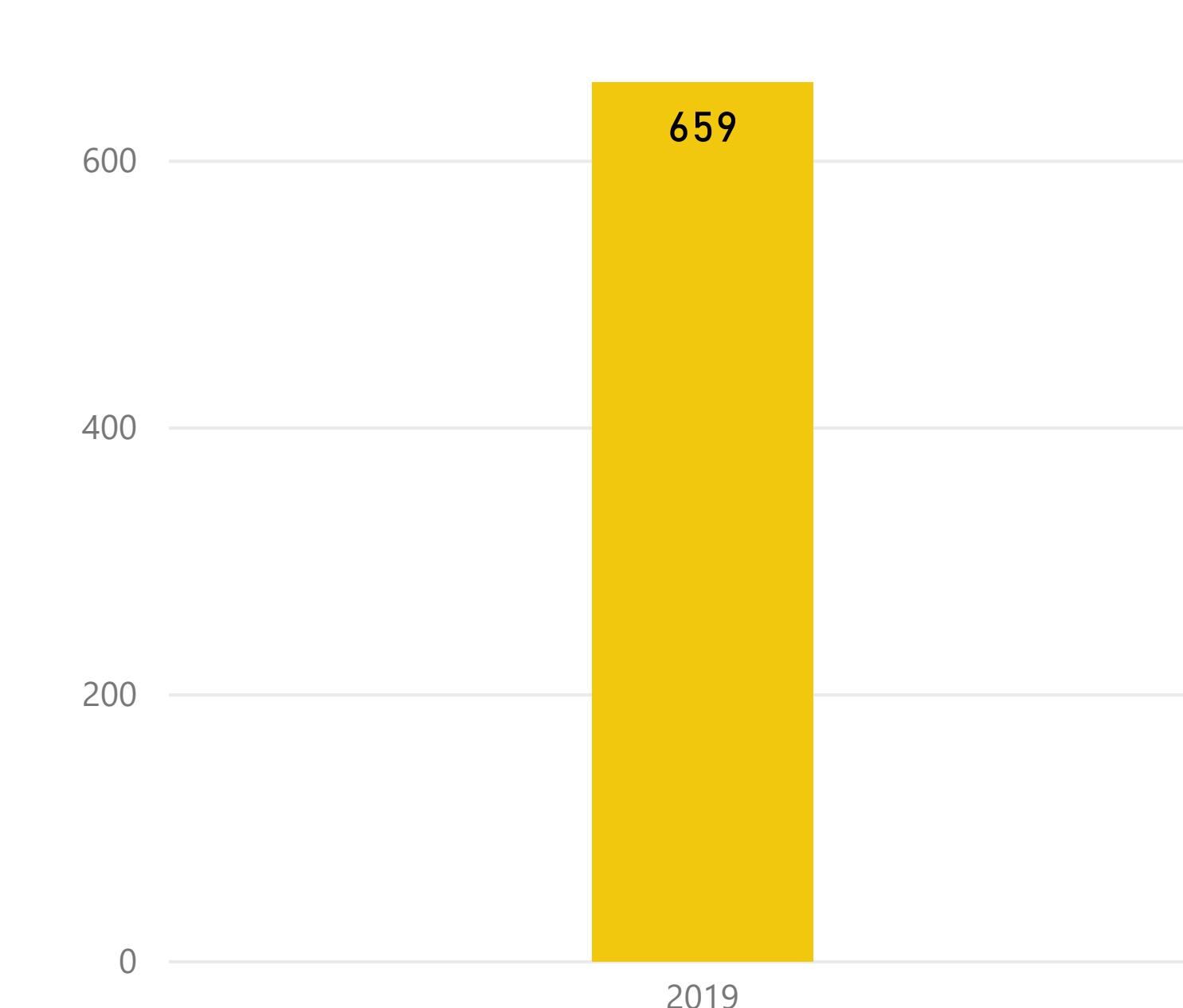
EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Registered Parathyroid Operations
in Your Clinic



Registered Parathyroid Operations in
Other EUROCRIINE Clinics of Your Country



Investigated Year

- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020

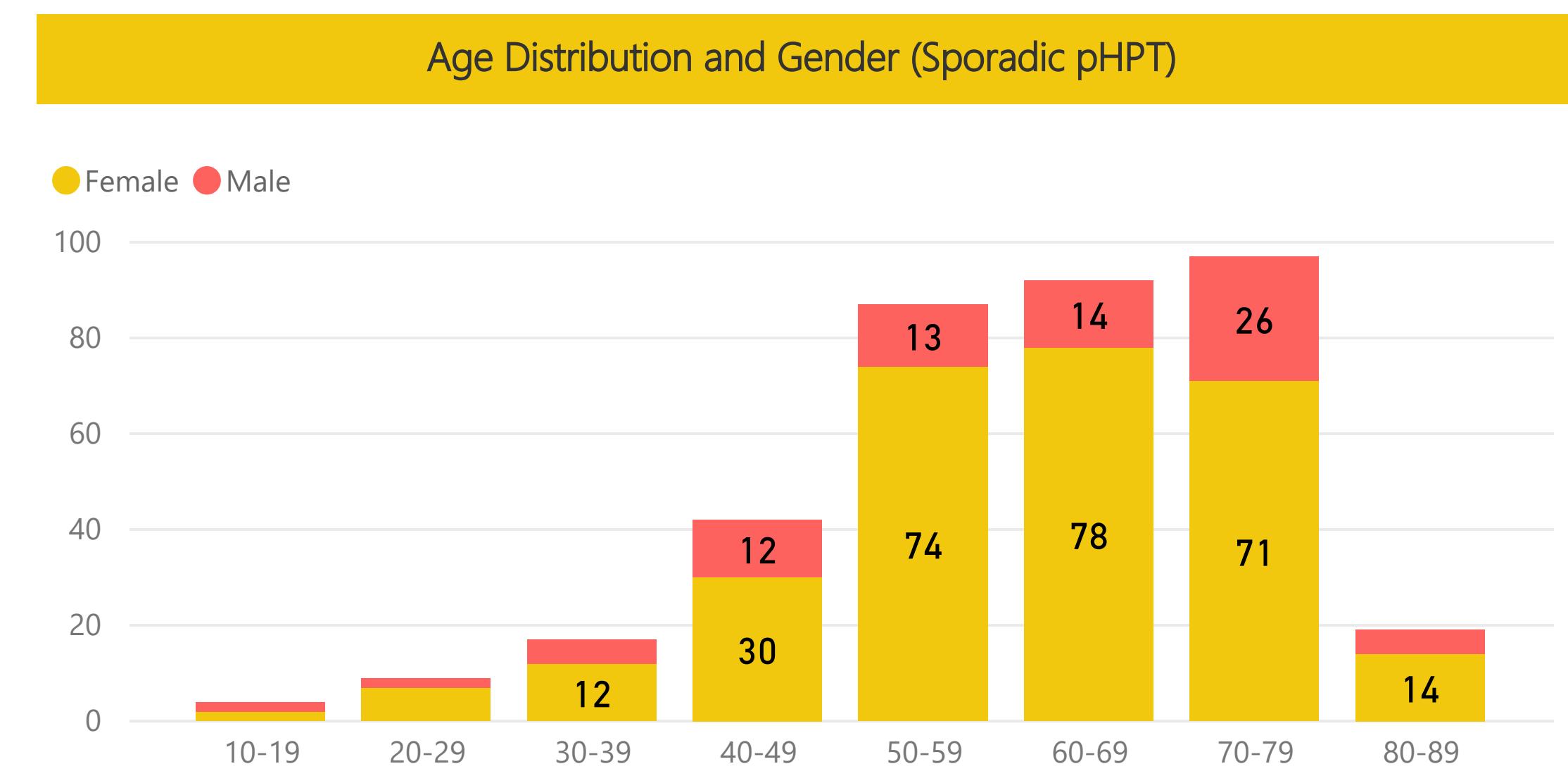
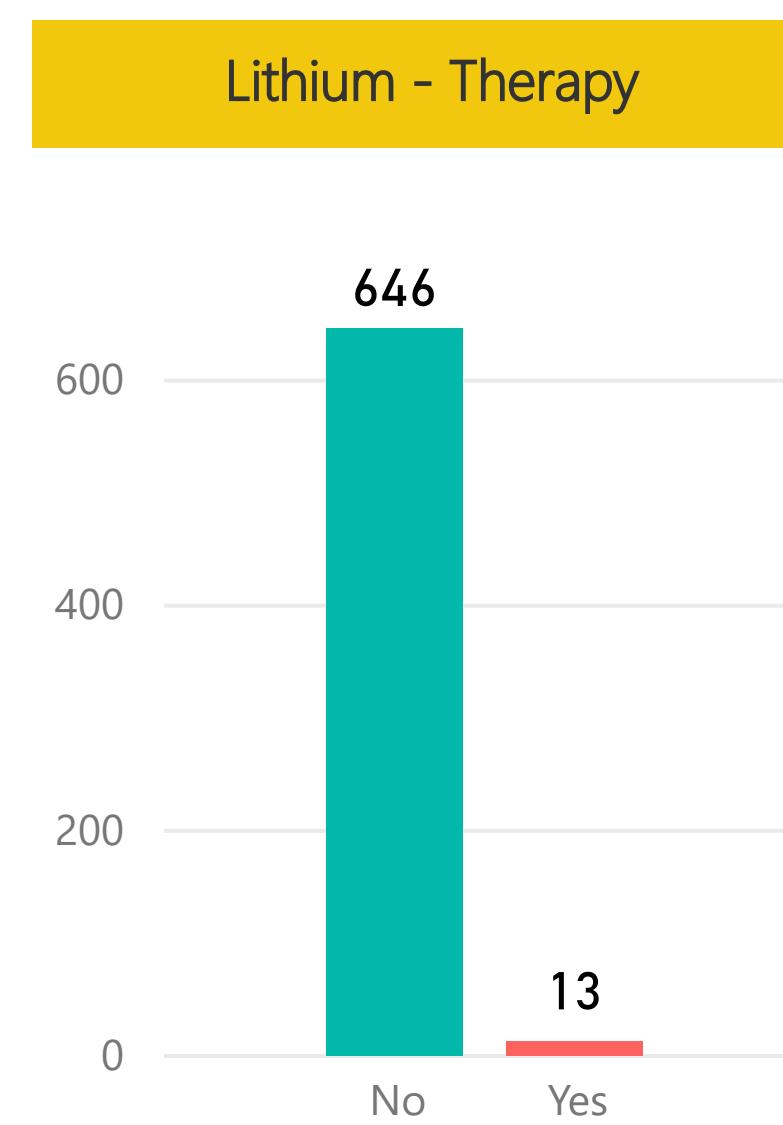
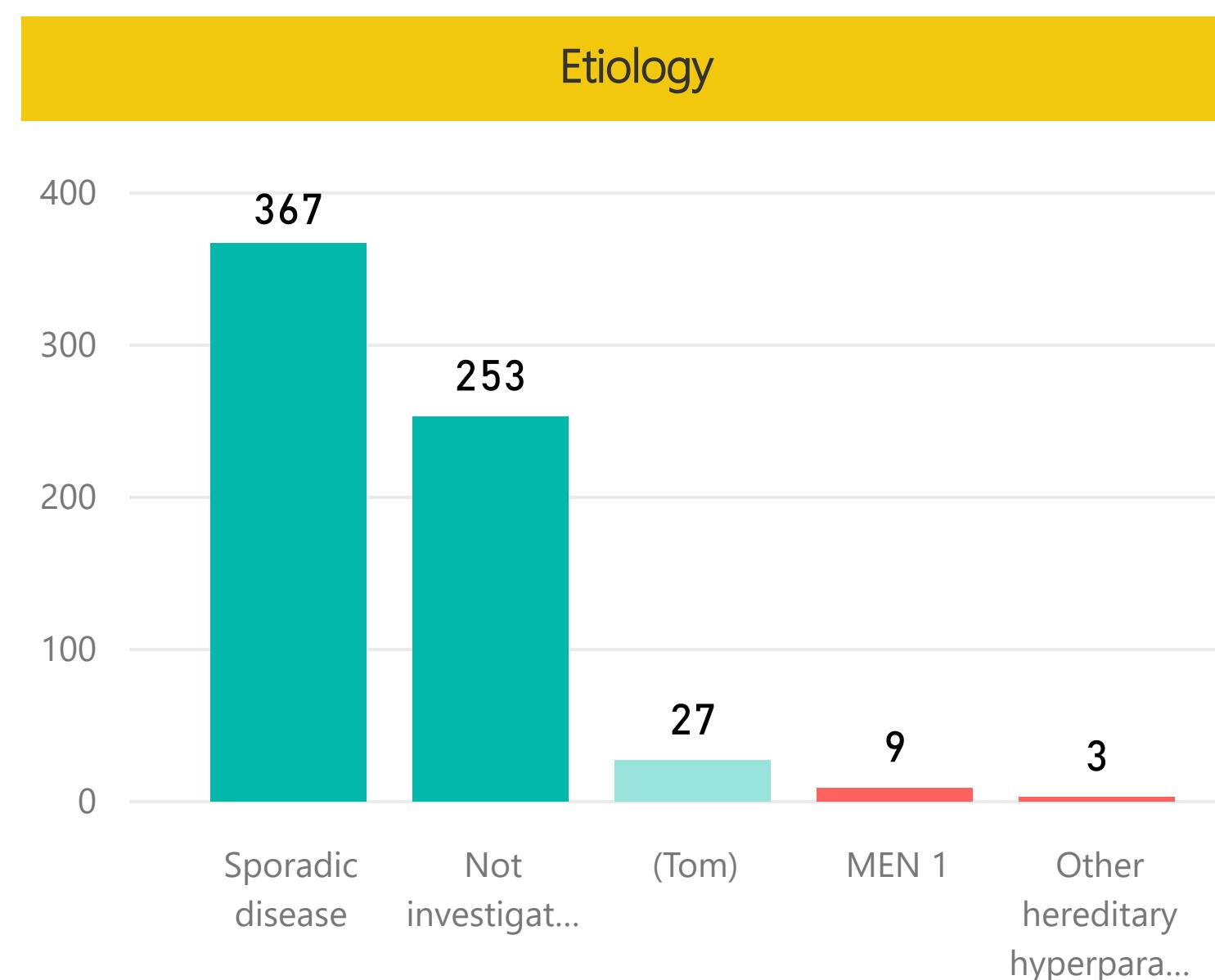
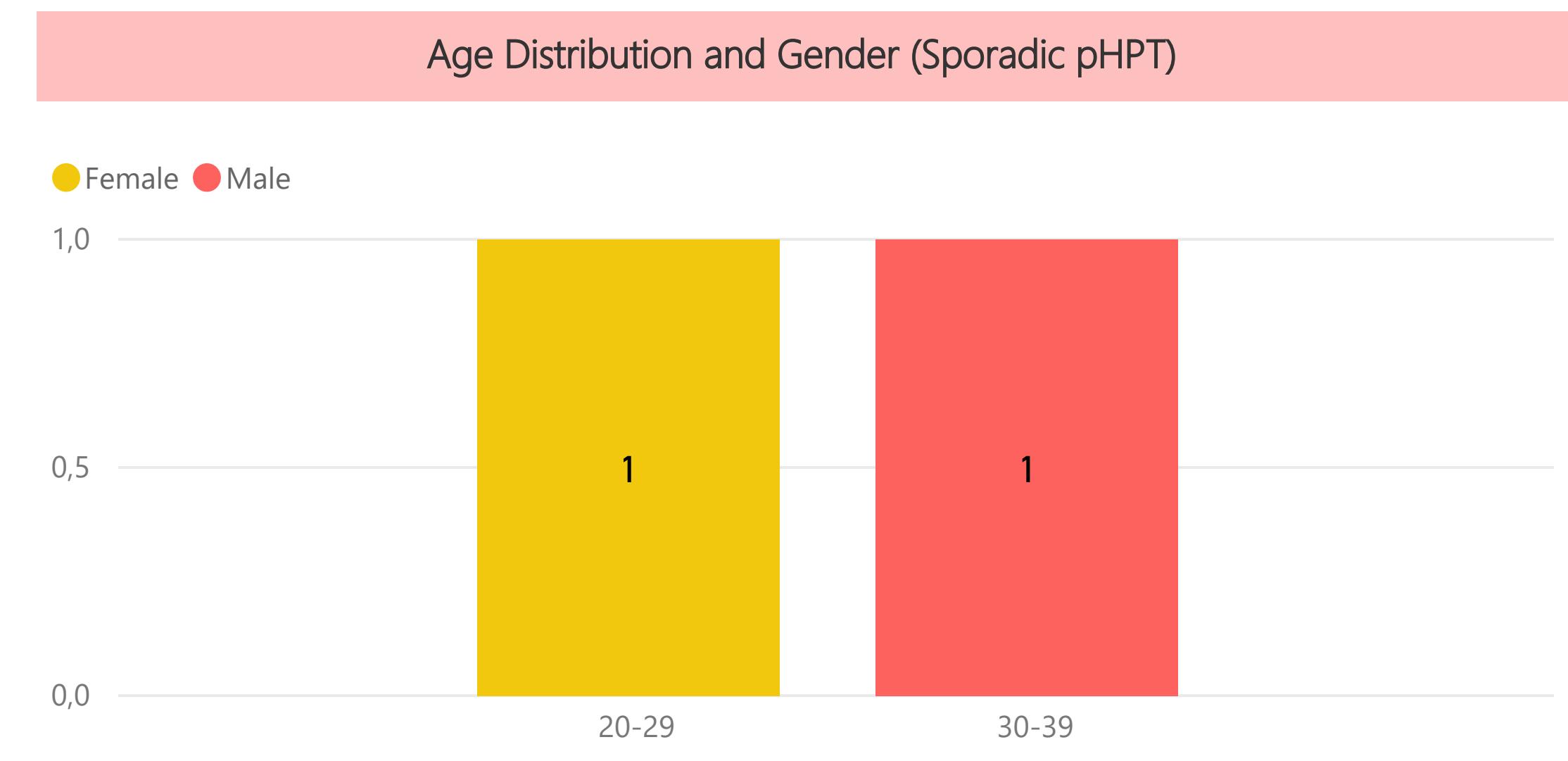
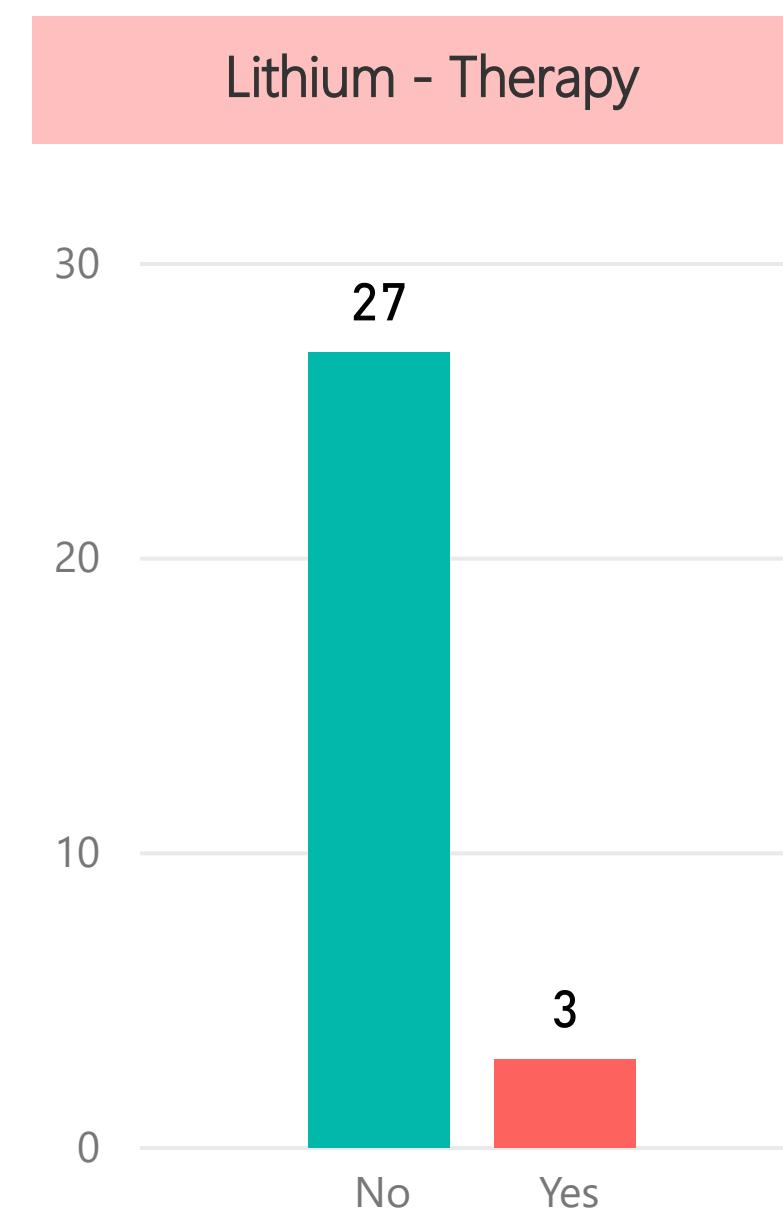
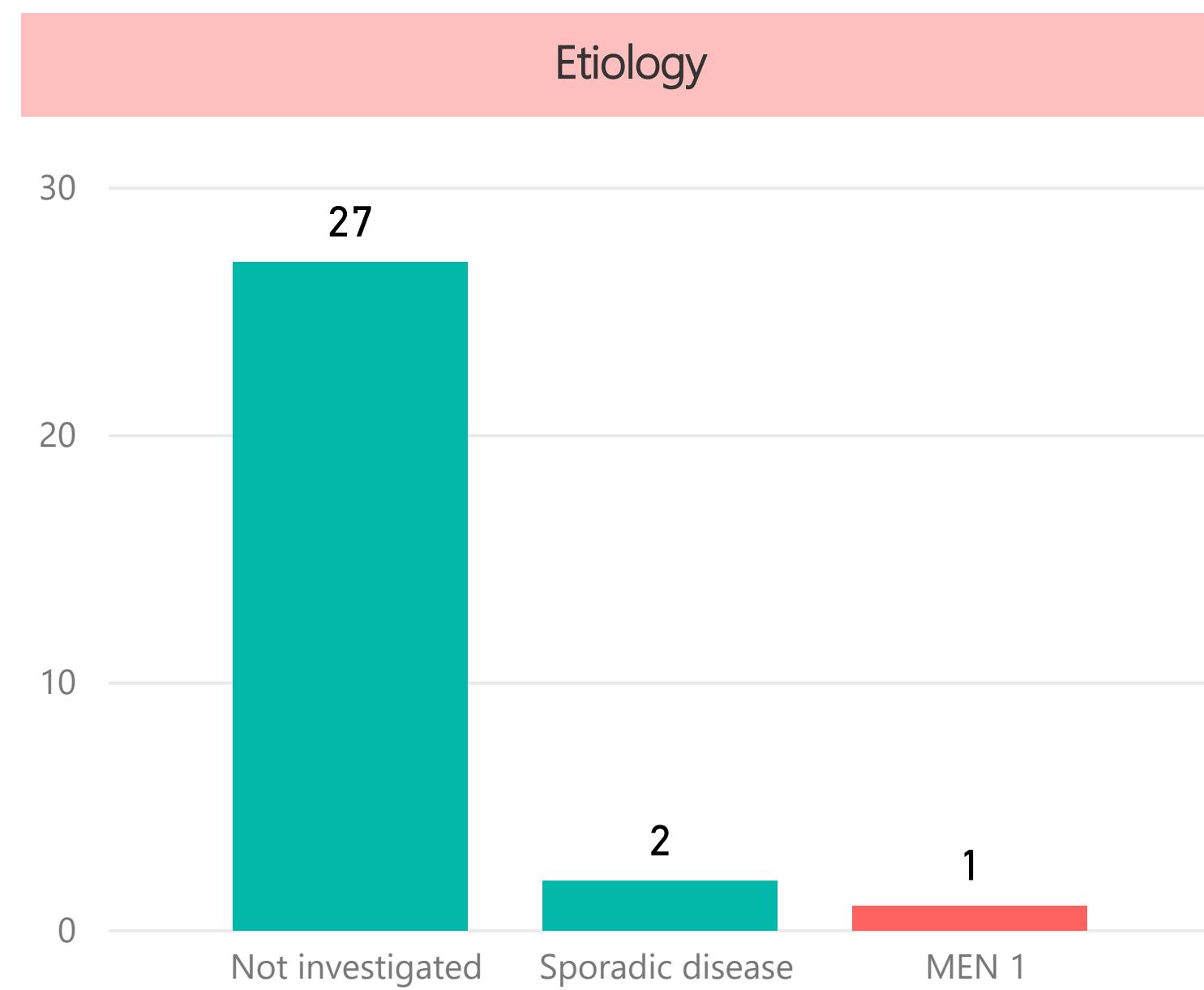
Color Coding in this Report:

Your Clinic

Other EUROCRIINE Clinics in Your Country

Parathyroids

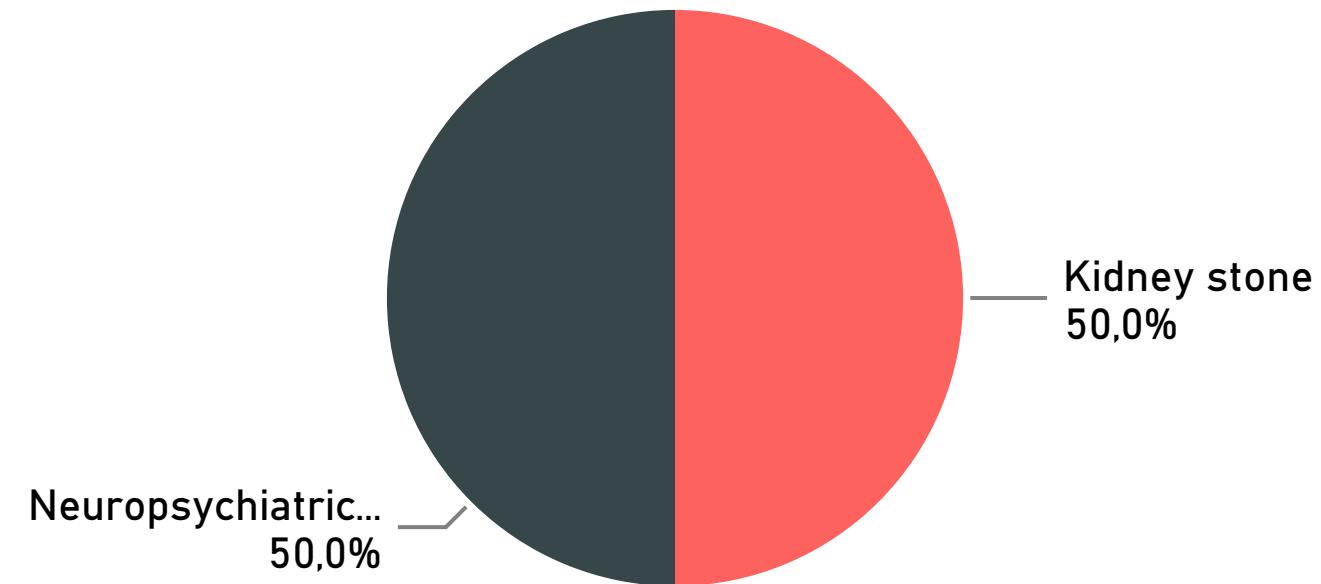
Etiology, Age Distribution



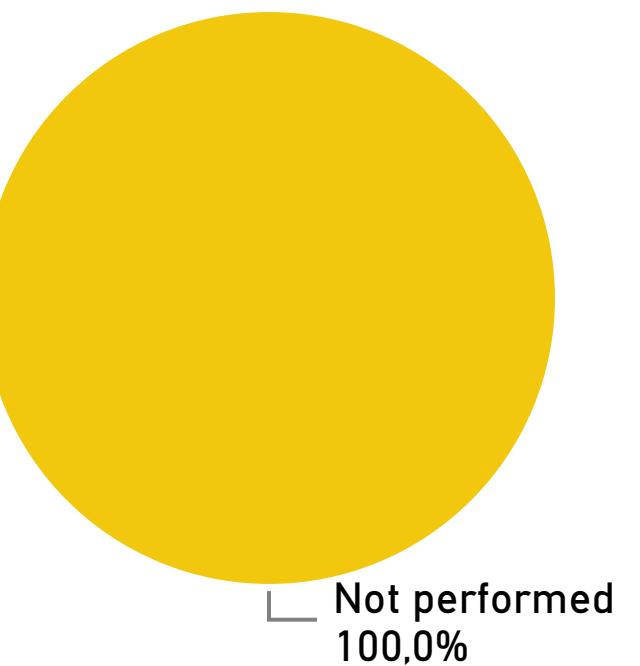
Parathyroids

Symptomatology and Preoperative Workup, Sporadic Disease, Primary Operations

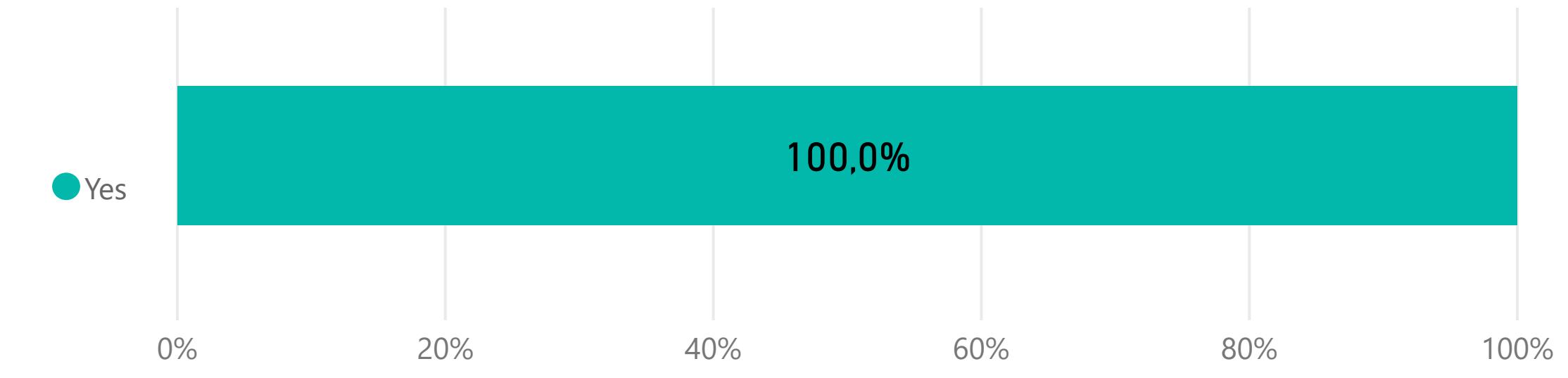
Preoperative Symptomatology



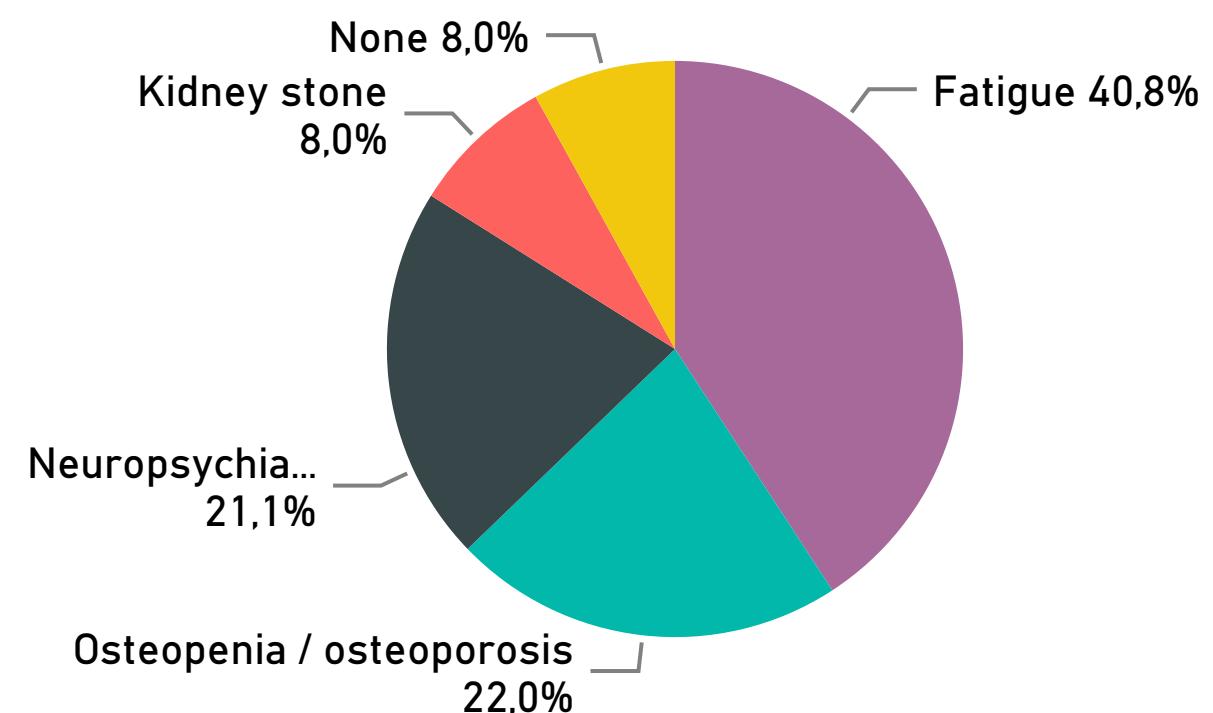
Preoperative Laryngoscopy



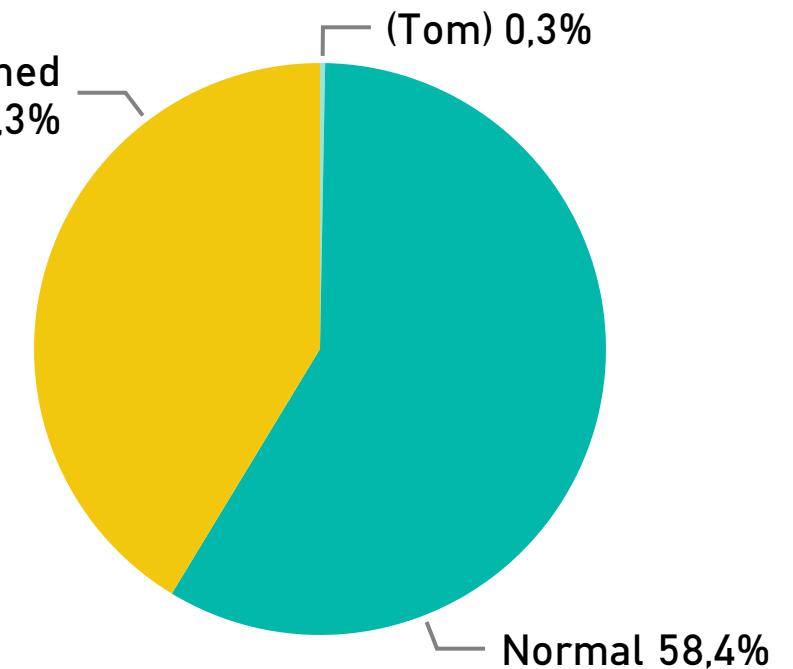
Localisation Examinations Performed



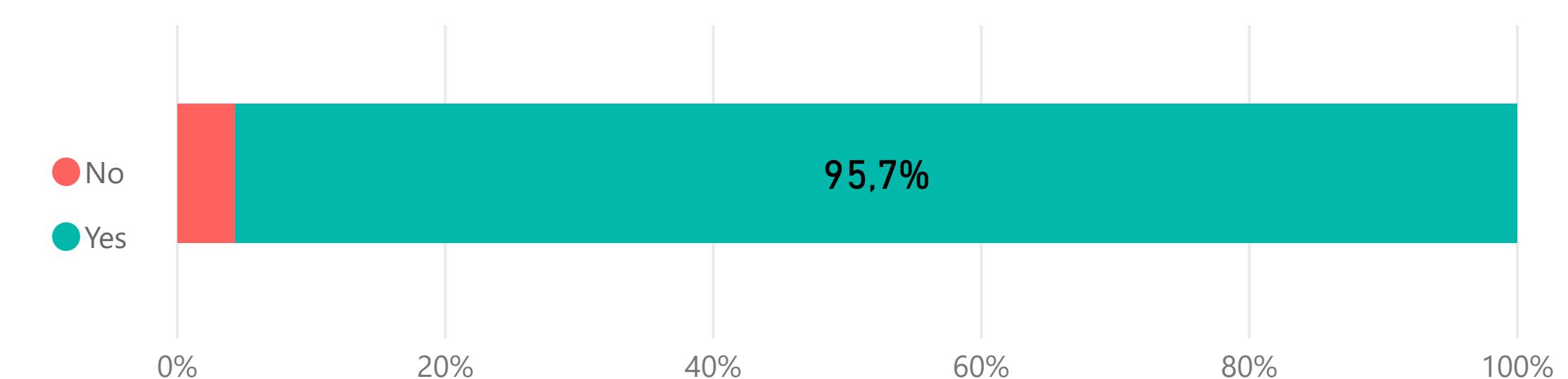
Preoperative Symptomatology



Preoperative Laryngoscopy



Localisation Examinations Performed



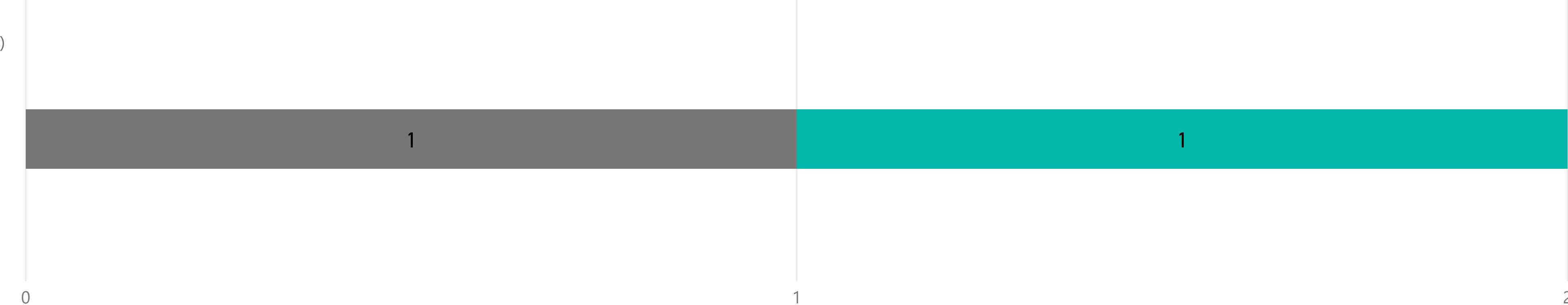
Parathyroids

Preoperative Imaging: Ultrasound, Sporadic Disease, Primary Operations

Preoperative Ultrasound in Relation to Intraoperative Finding

● Negative / inconclusive pre-op examination

● True pre-op localisation of solitary adenoma (TP)



Preoperative Ultrasound in Relation to Intraoperative Finding

● (Tom)

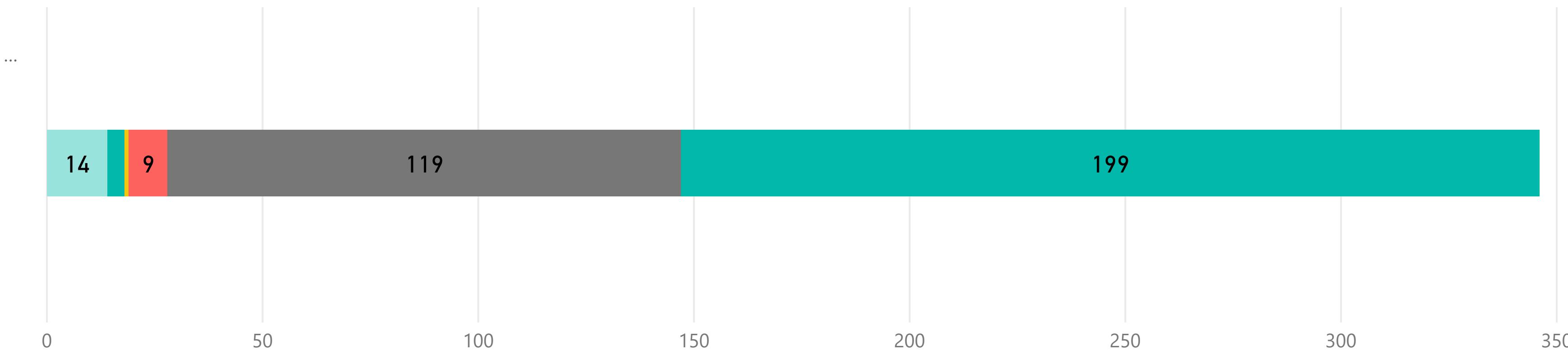
● Correct position of one pathological gland, but multiglandular disease ...

● False prediction of multiglandular disease in solitary adenoma

● False pre-op localisations of solitary adenoma (FP)

● Negative / inconclusive pre-op examination

● True pre-op localisation of solitary adenoma (TP)



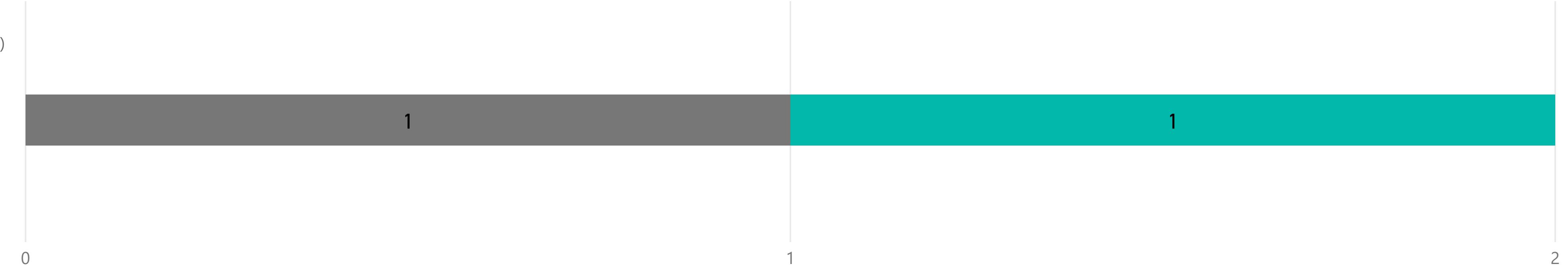
Parathyroids

Preoperative Imaging: Sestamibi-Scintigraphy, Sporadic Disease, Primary Operations

Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

● Negative / inconclusive pre-op examination

● True pre-op localisation of solitary adenoma (TP)



Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

● (Tom)

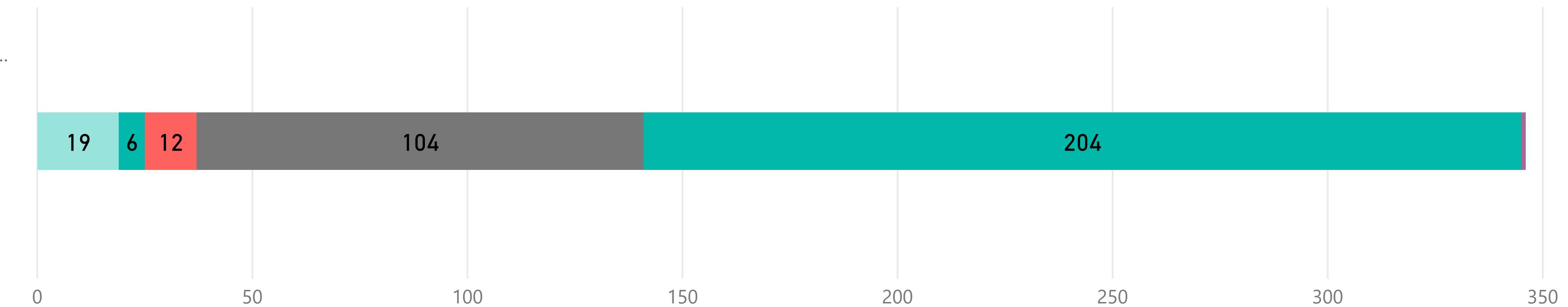
● Correct position of one pathological gland, but multiglandular disease ...

● False pre-op localisations of solitary adenoma (FP)

● Negative / inconclusive pre-op examination

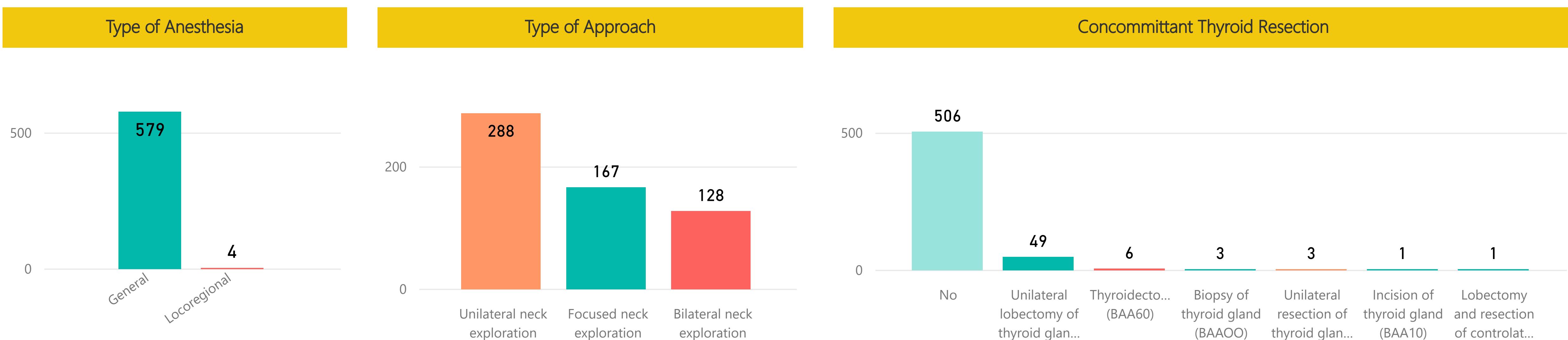
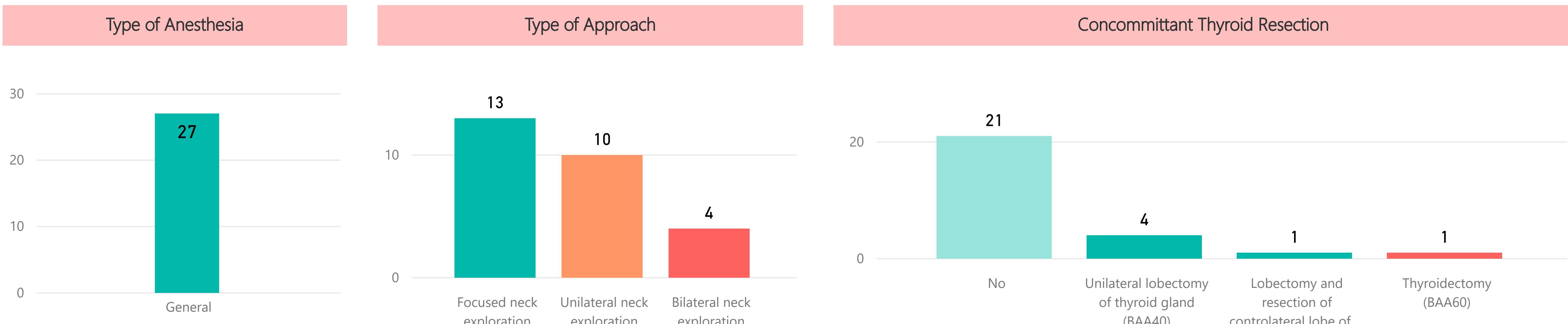
● True pre-op localisation of solitary adenoma (TP)

● True pre-op prediction of multiglandular disease



Parathyroids

Characteristics of Primary Operations, Sporadic Disease



Parathyroids

Characteristics of Primary Operations for Sporadic pHPT: Results of PTH-Monitoring

PTH-Monitoring Results

Correct ioPTH (TP)

27



PTH-Monitoring Results

(Tom)

3

Correct ioPTH (TP)

334

Incorrect persistent pHPT in spite of 'adequate' decline in ioPT...

3

Misleading. Insufficient decline in ioPTH in spite of 'adequat...

10

Not used

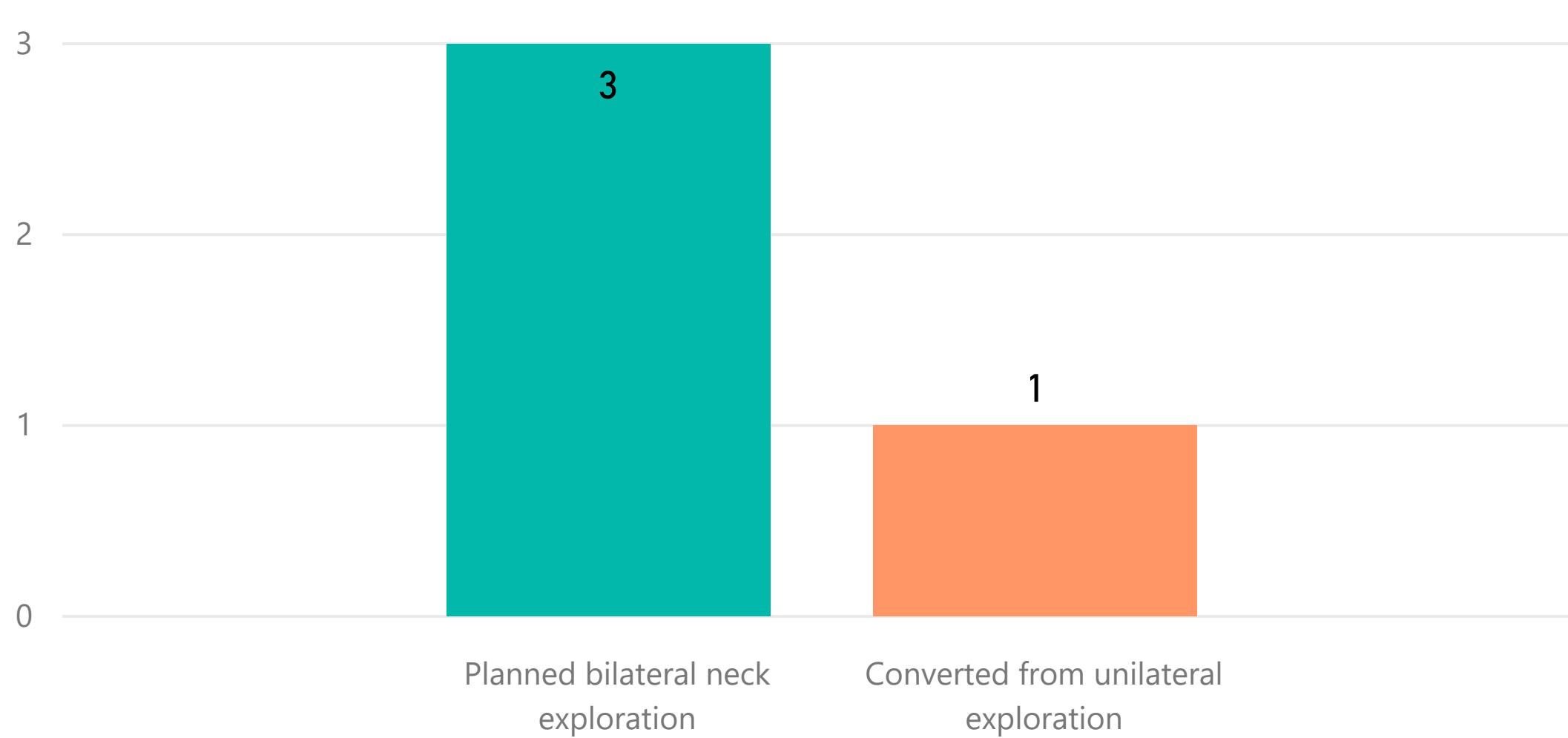
233



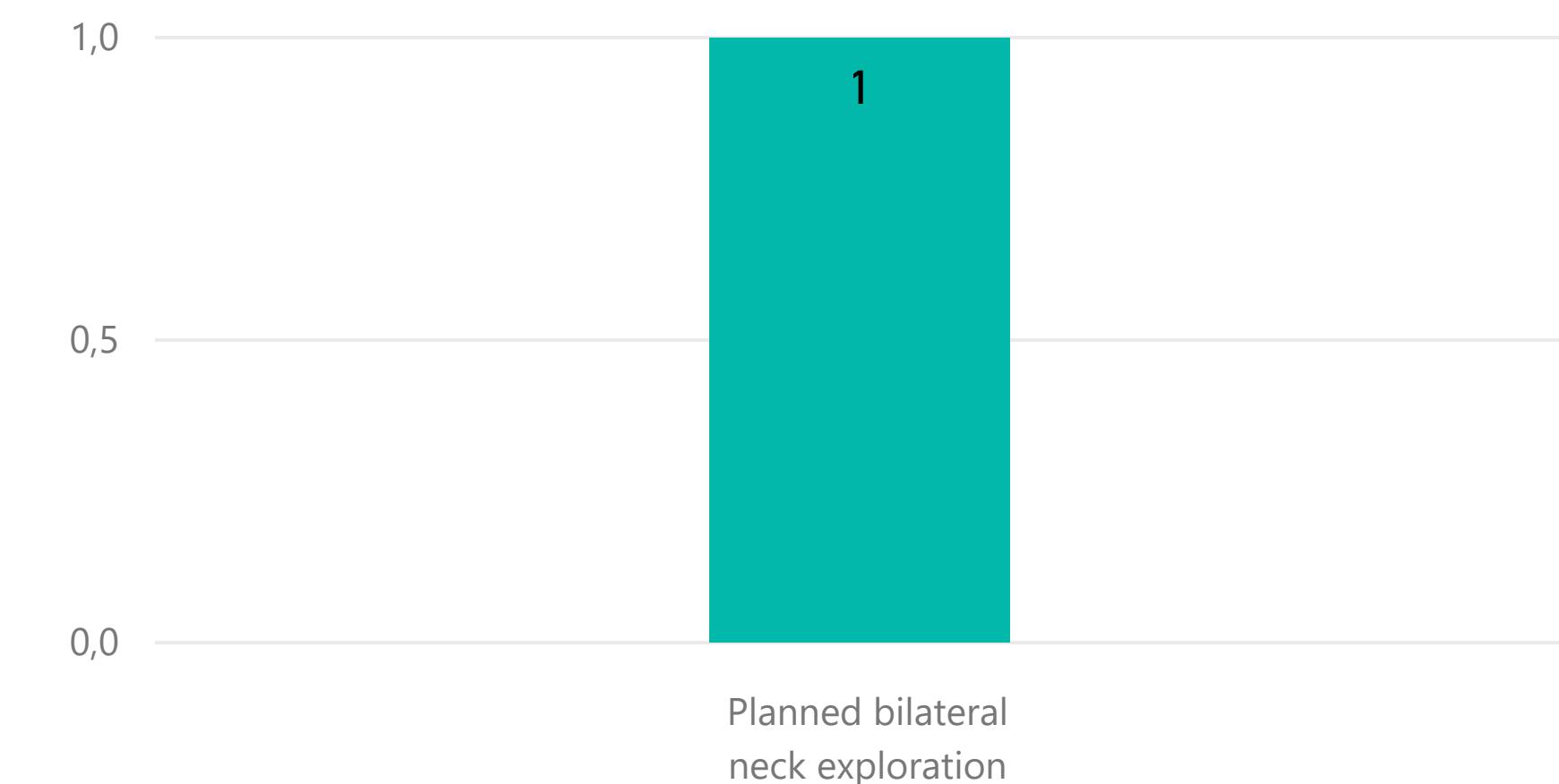
Parathyroids

Characteristics of Bilateral Explorations in Sporadic and Hereditary Disease (Primary Operations)

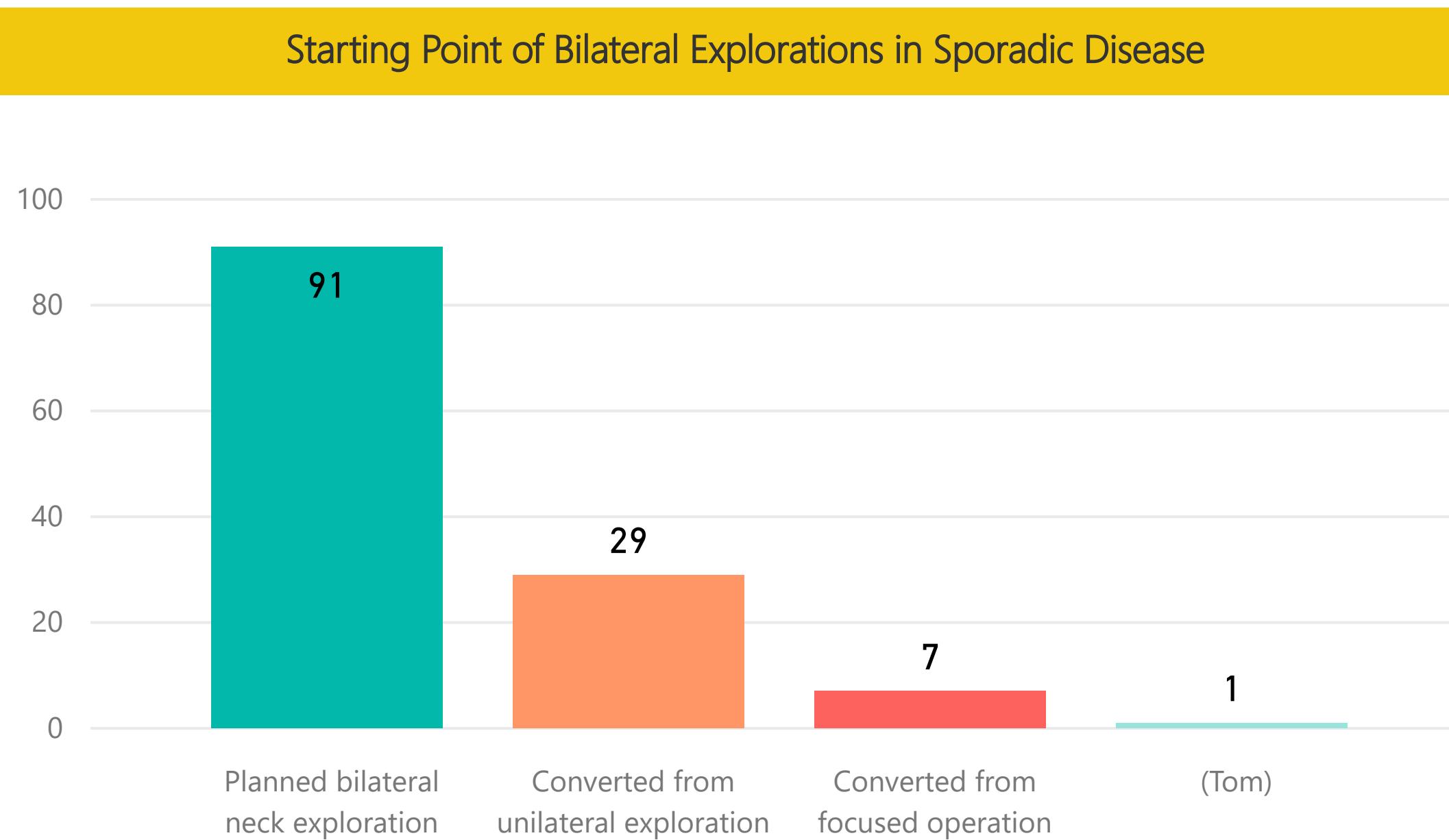
Starting Point of Bilateral Explorations in Sporadic Disease



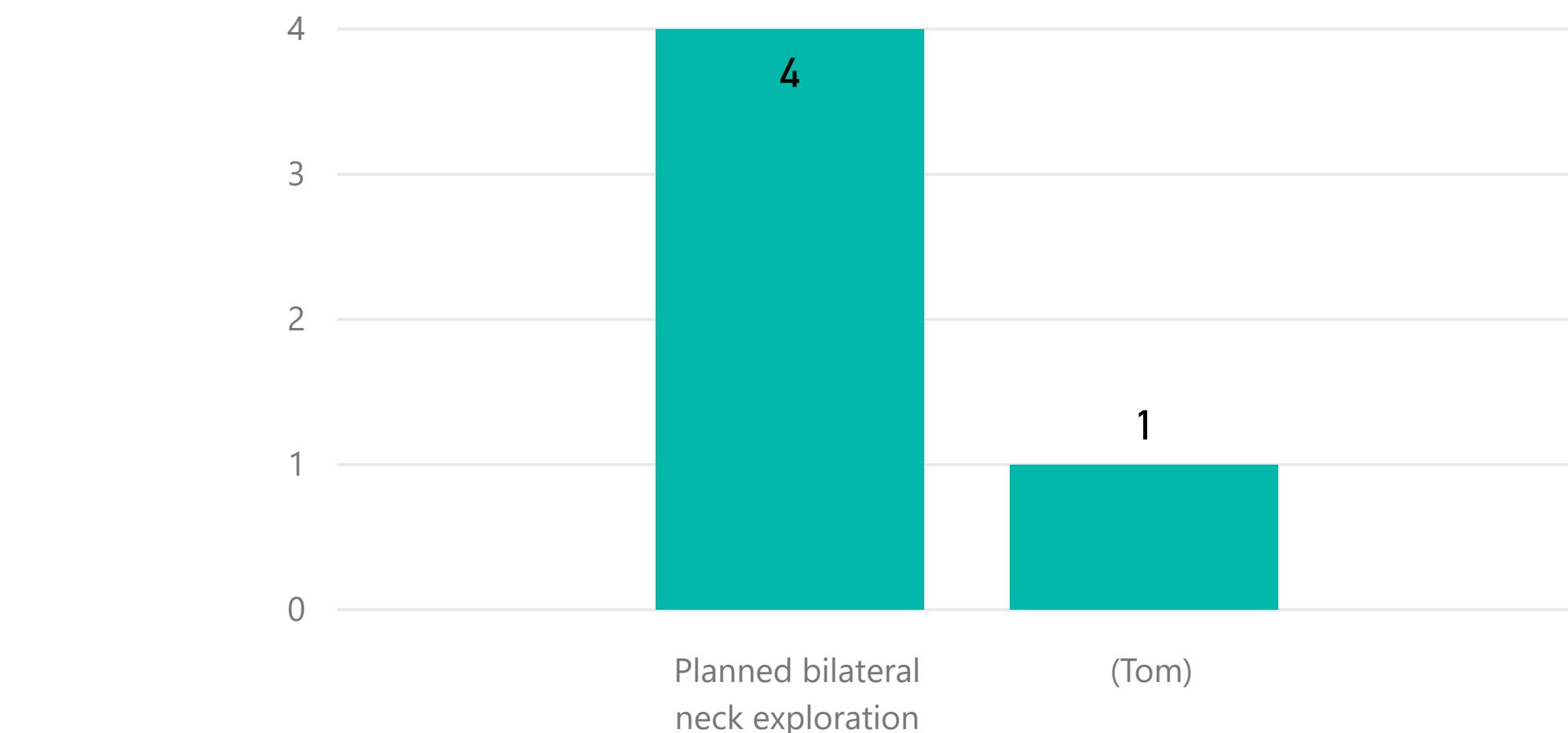
Starting Point of Bilateral Explorations in Hereditary Disease



Starting Point of Bilateral Explorations in Sporadic Disease

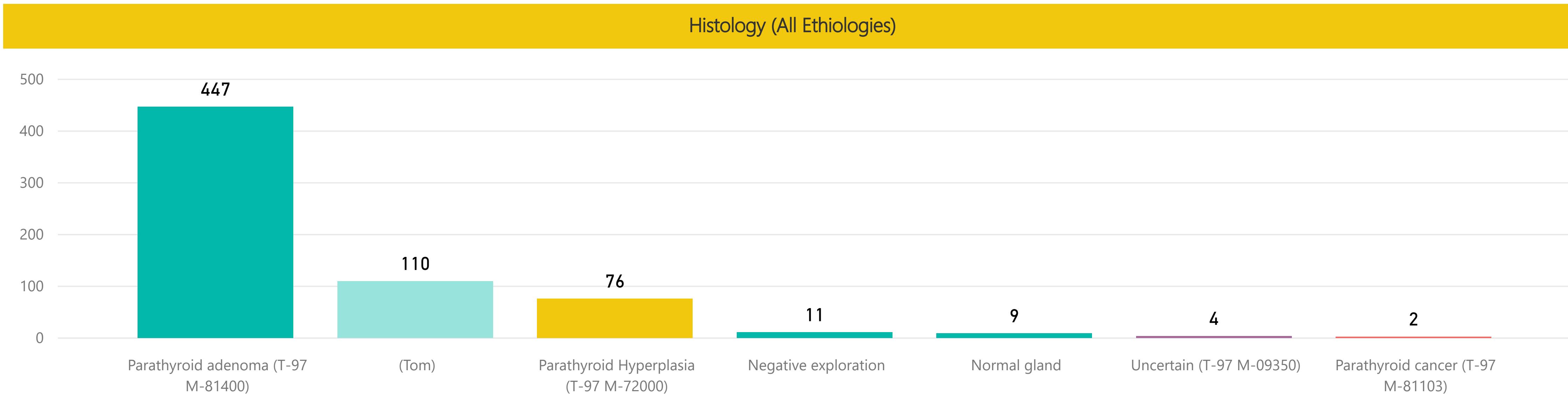
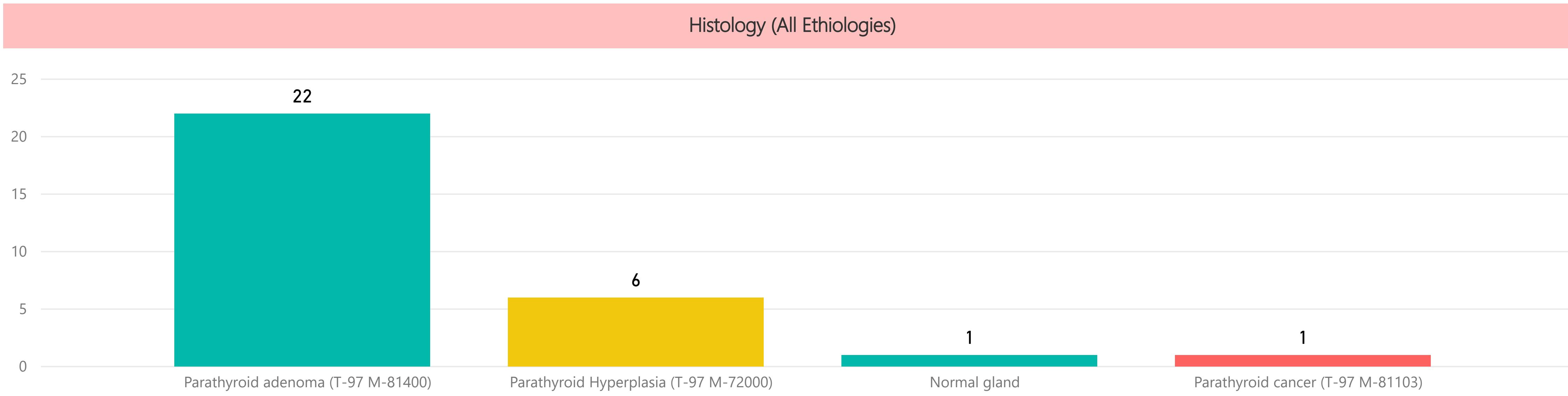


Starting Point of Bilateral Explorations in Hereditary Disease



Parathyroids

Histopathology Results

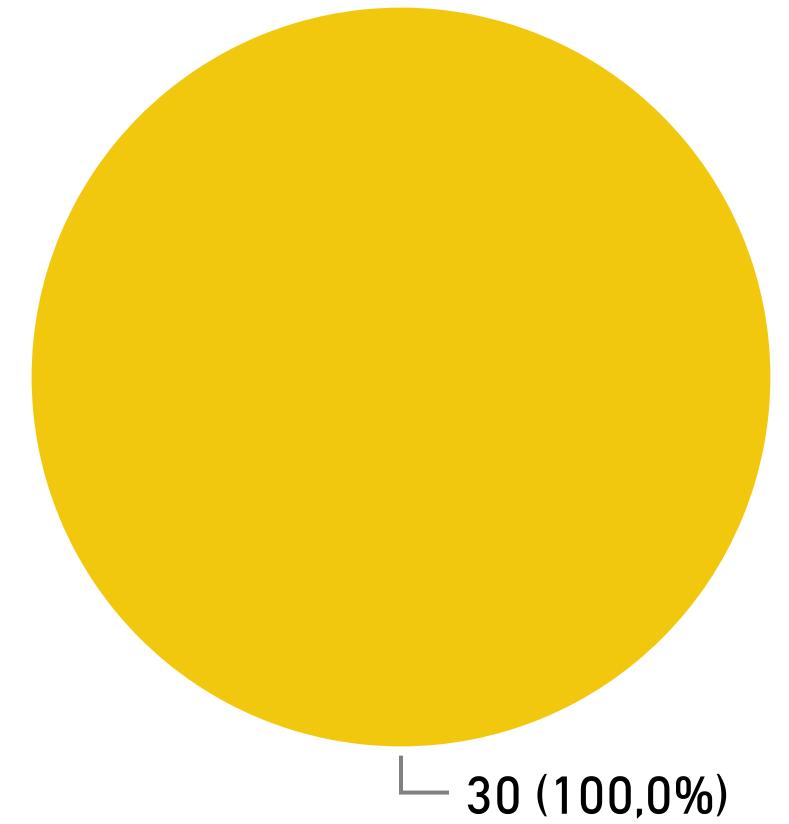


Parathyroids

Postoperative Laryngoscopy

Postoperative Laryngoscopy

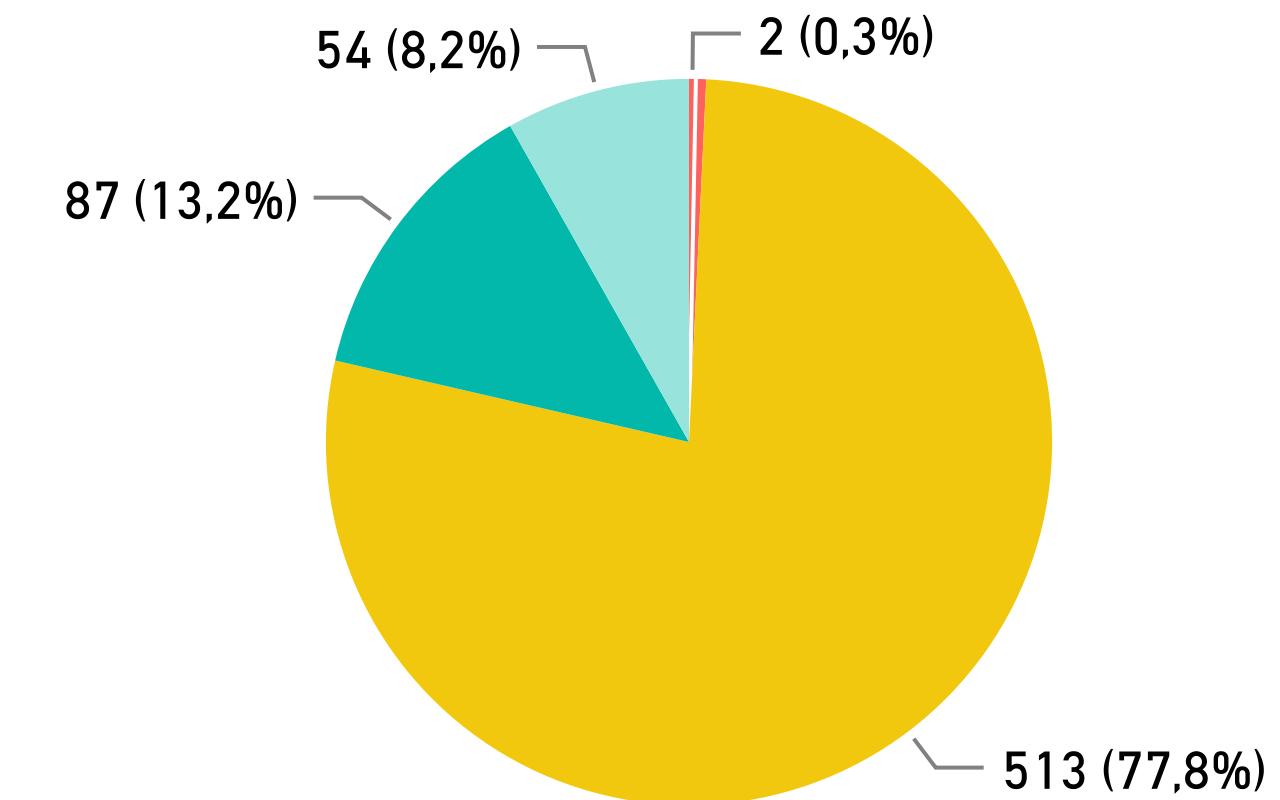
● Not performed



Postoperative Laryngoscopy	n	%
Not performed	30	100,00%
Totalt	30	100,00%

Postoperative Laryngoscopy

- Paresis of the right recurrent laryngeal nerve
- Paresis of the left recurrent laryngeal nerve
- Not performed
- Normal
- (Tom)



Postoperative Laryngoscopy	n	%
Not performed	513	77,85%
Paresis of the left recurrent laryngeal nerve	3	0,46%
Paresis of the right recurrent laryngeal nerve	2	0,30%
Totalt	659	100,00%

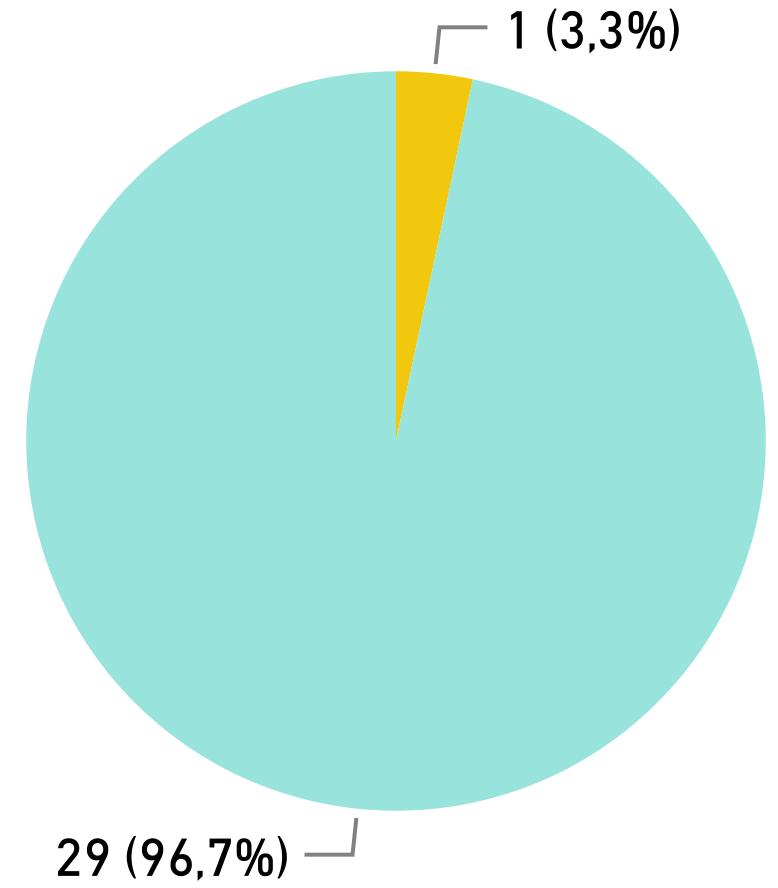
Parathyroids

Laryngoscopy at Follow-up (F2)

Laryngoscopy at Longterm Follow-up (F2)

● Not performed

(Tom)



Laryngoscopy at Follow-up

n %

Not performed	1	3,33%
Total	30	100,00%

Laryngoscopy at Longterm Follow-up (F2)

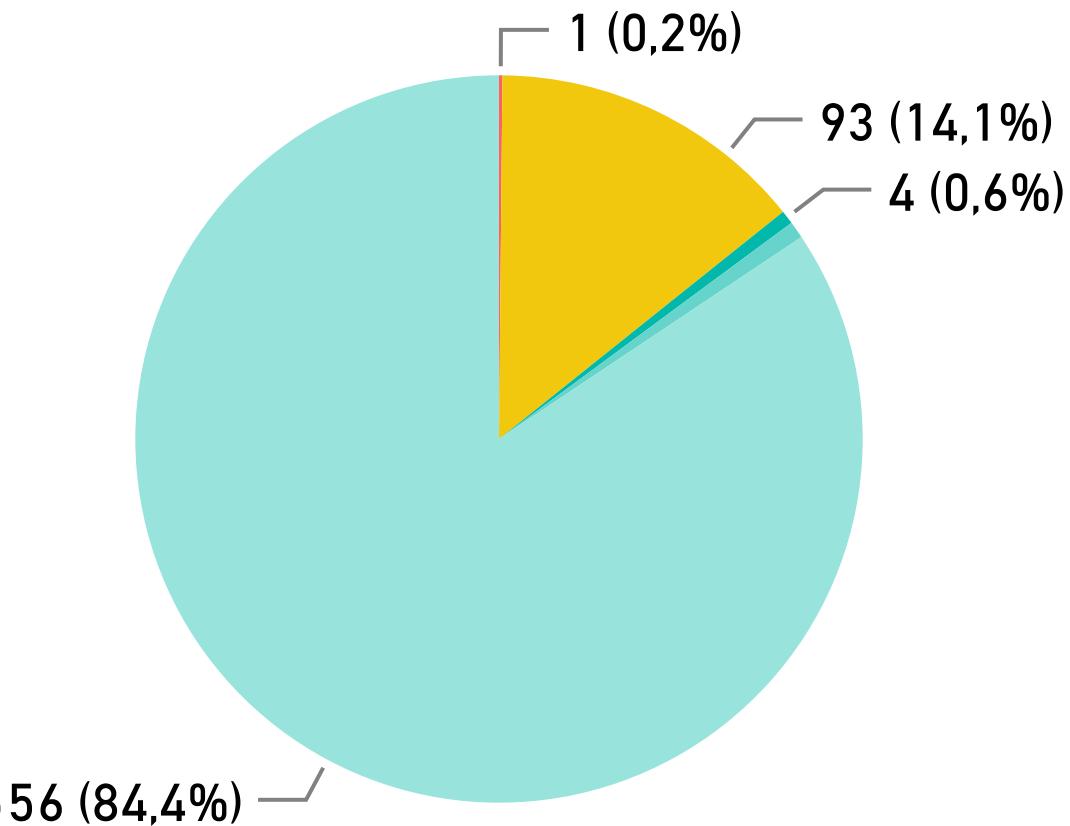
● Paresis of the left recurrent laryngeal nerve

● Not performed

● Normal

● No data available

(Tom)



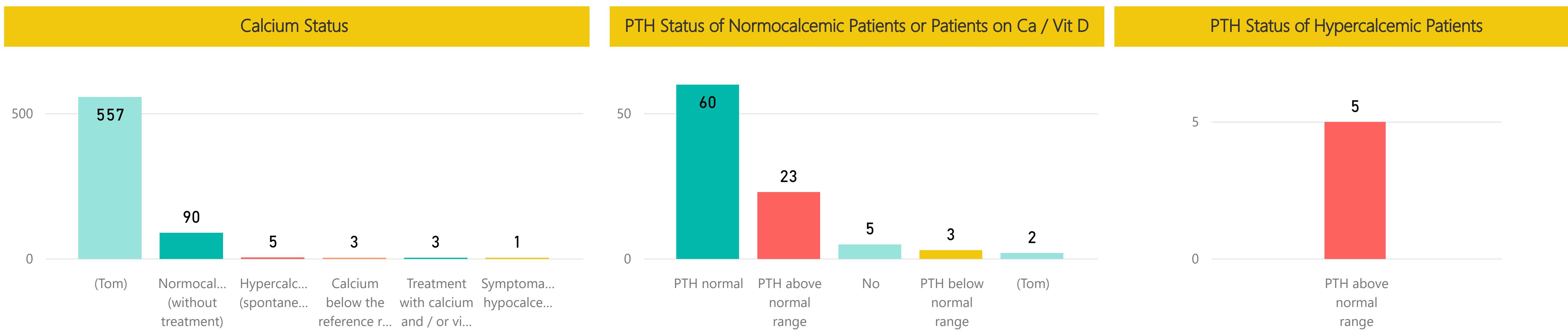
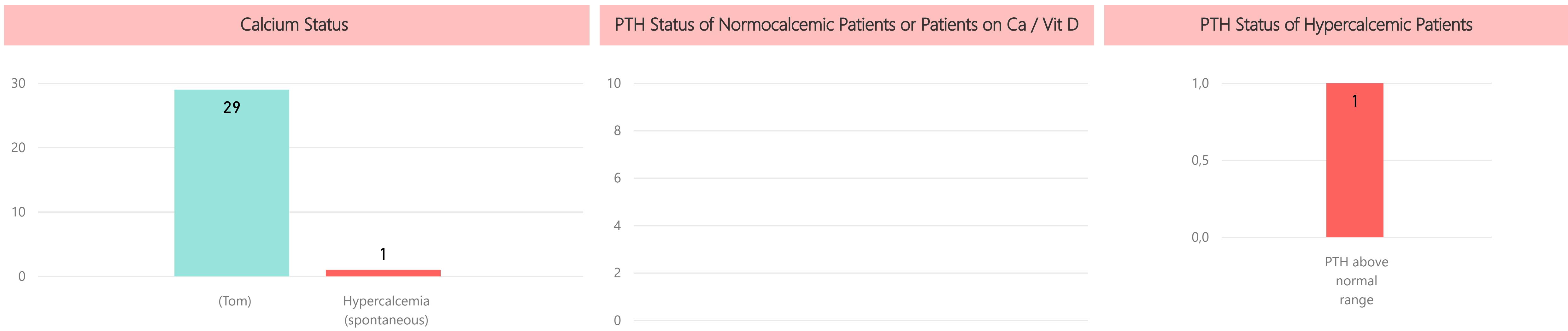
Laryngoscopy at Follow-up

n %

No data available	5	0,76%
Normal	4	0,61%
Not performed	93	14,11%
Paresis of the left recurrent laryngeal nerve	1	0,15%
Total	659	100,00%

Parathyroids

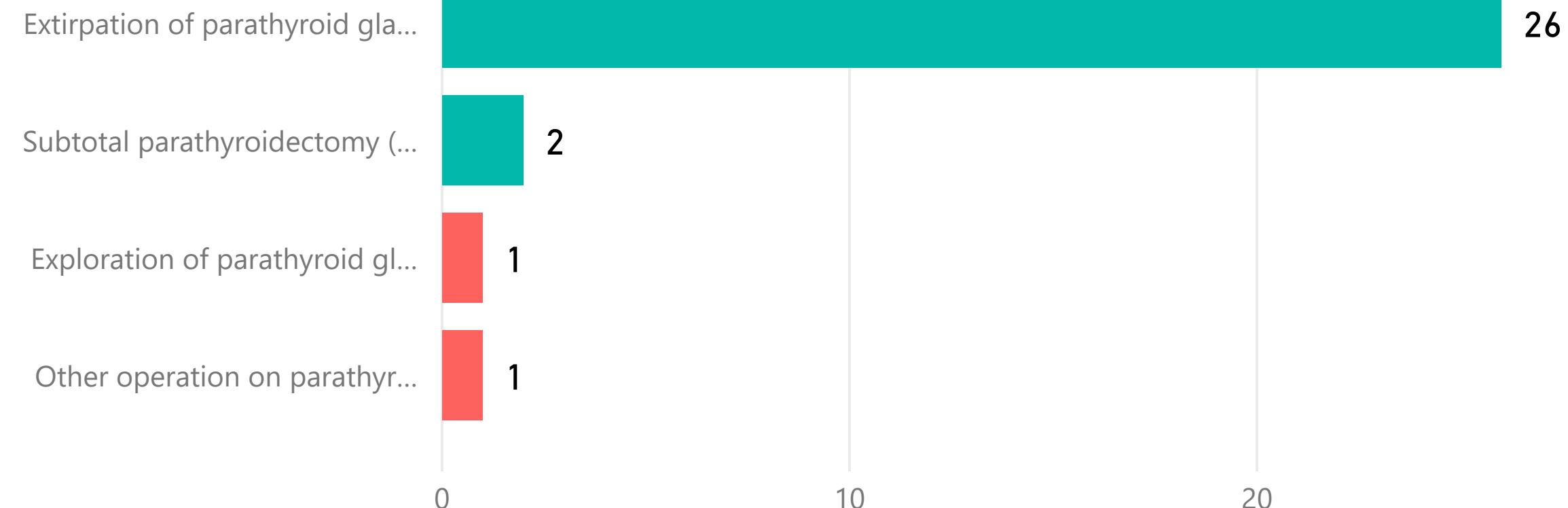
Follow-up Data



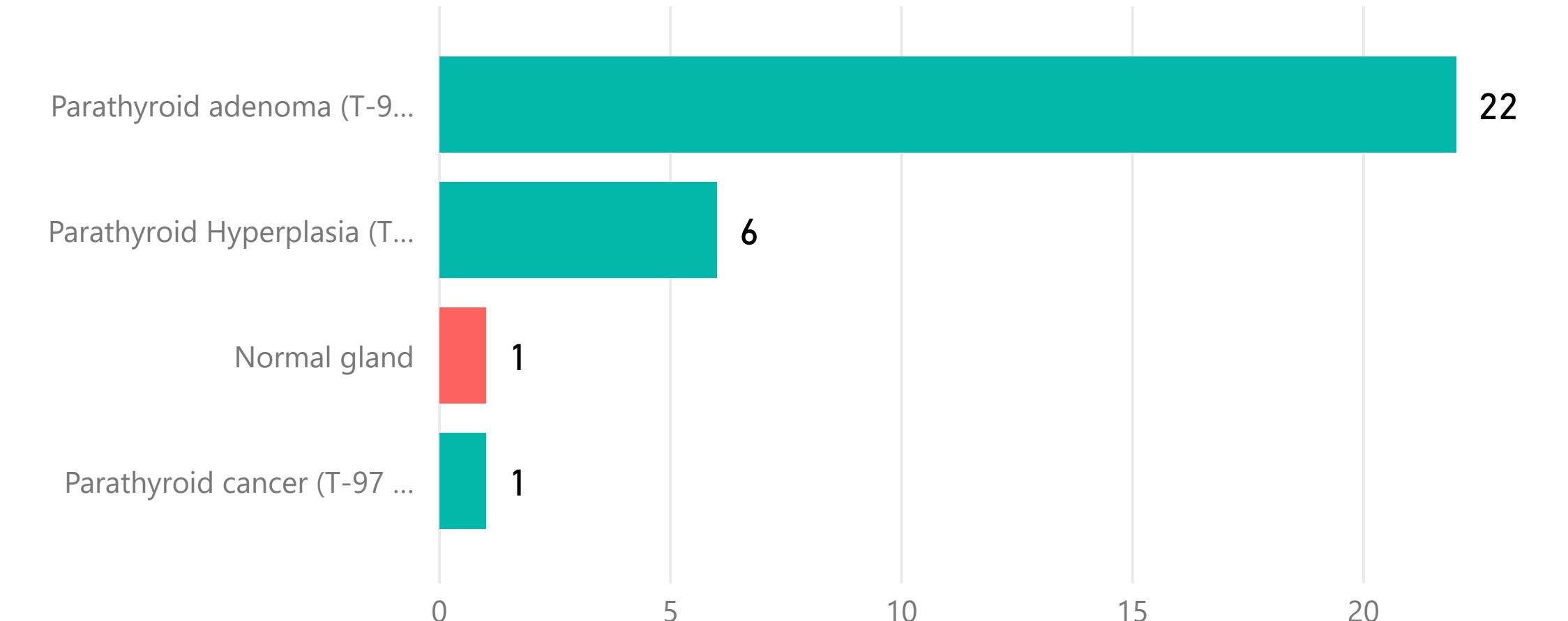
Parathyroids

Potentially Negative Explorations with Possible Disease Persistence based on Selected Type of Operation or Main Histological Diagnosis

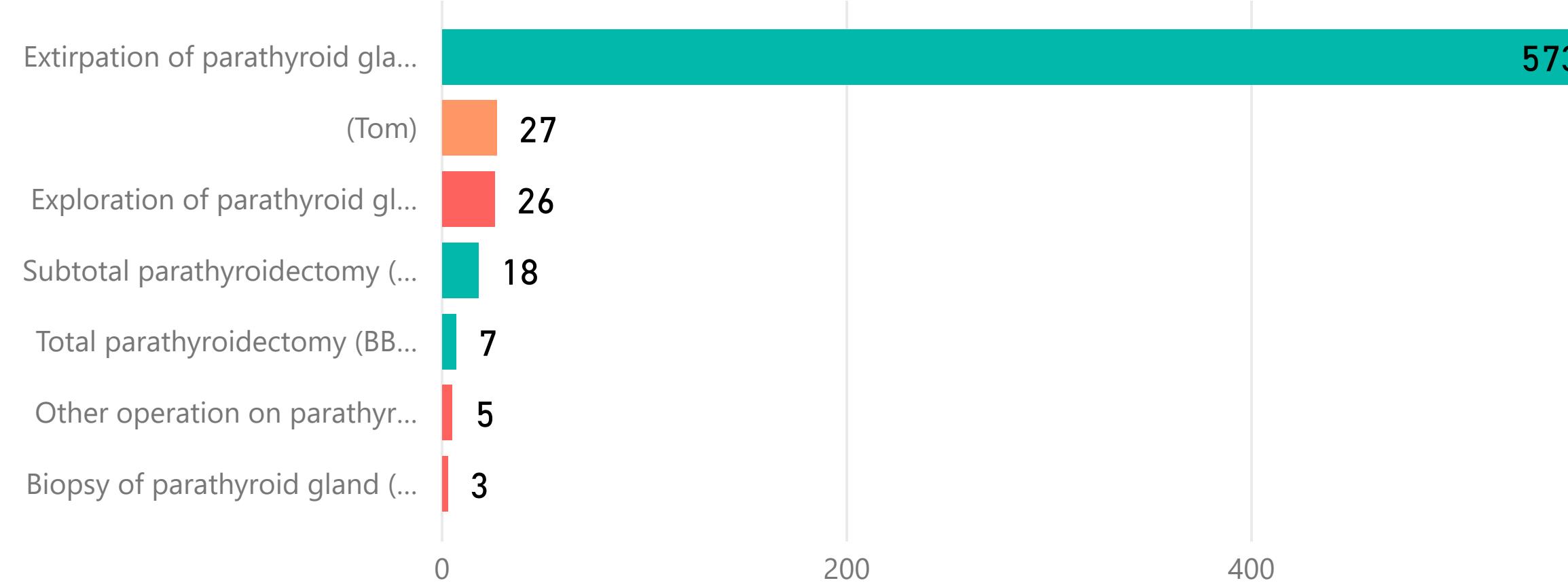
based on Selected Type of Operation



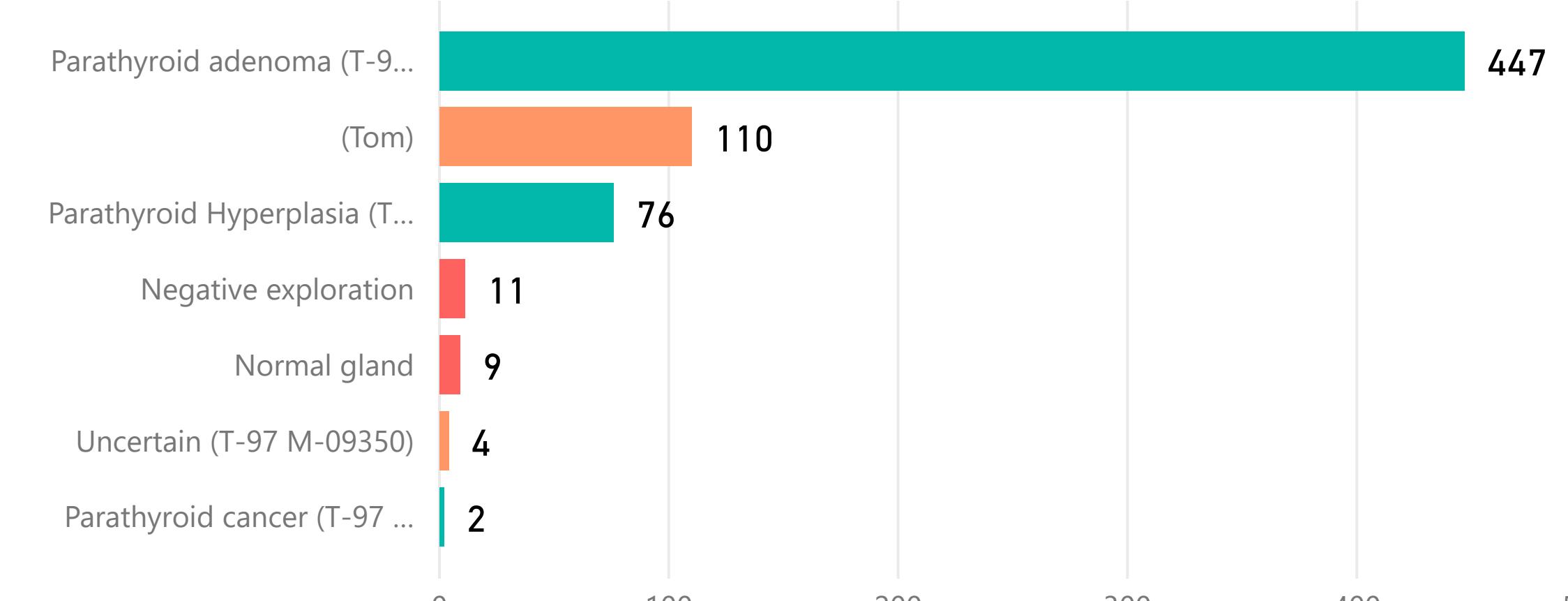
based on Selected Histological Main Diagnosis



based on Selected Type of Operation



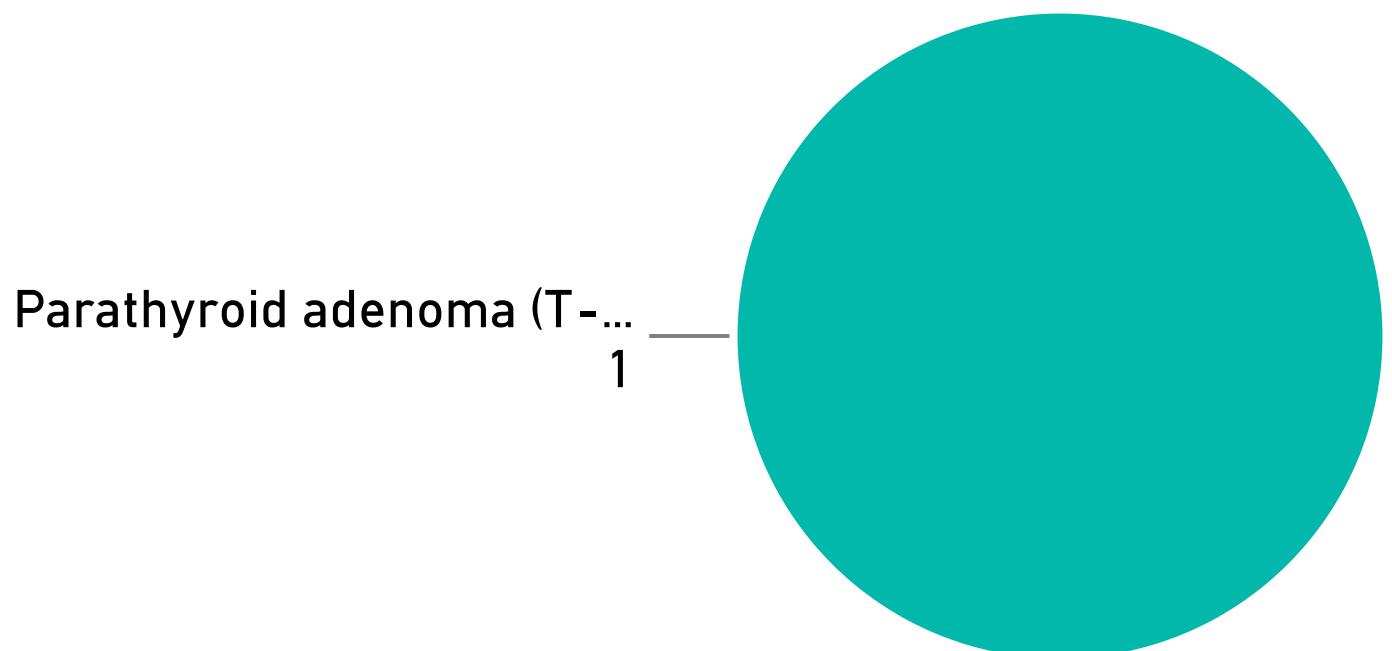
based on Selected Histological Main Diagnosis



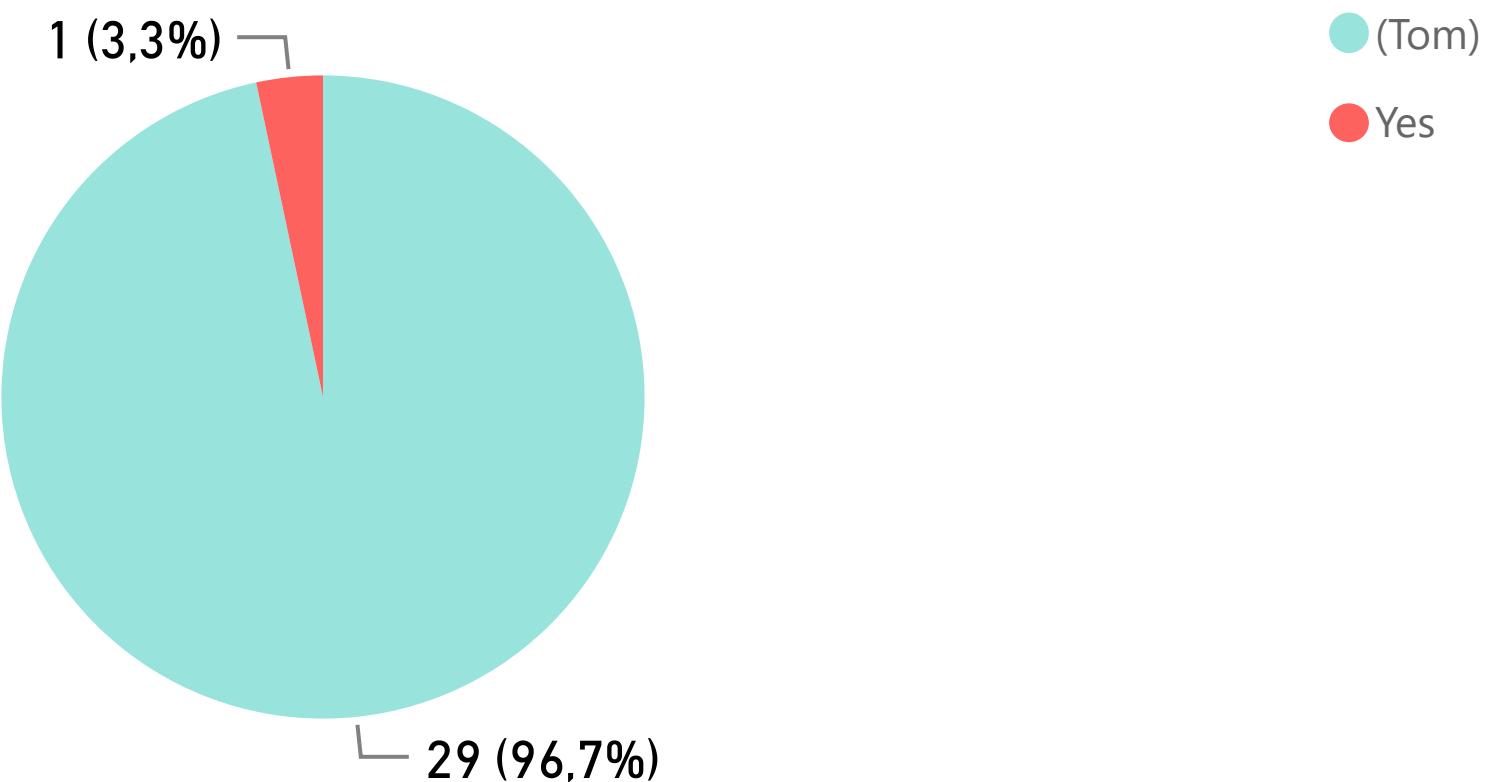
Parathyroids

Persistences and Re-Operations

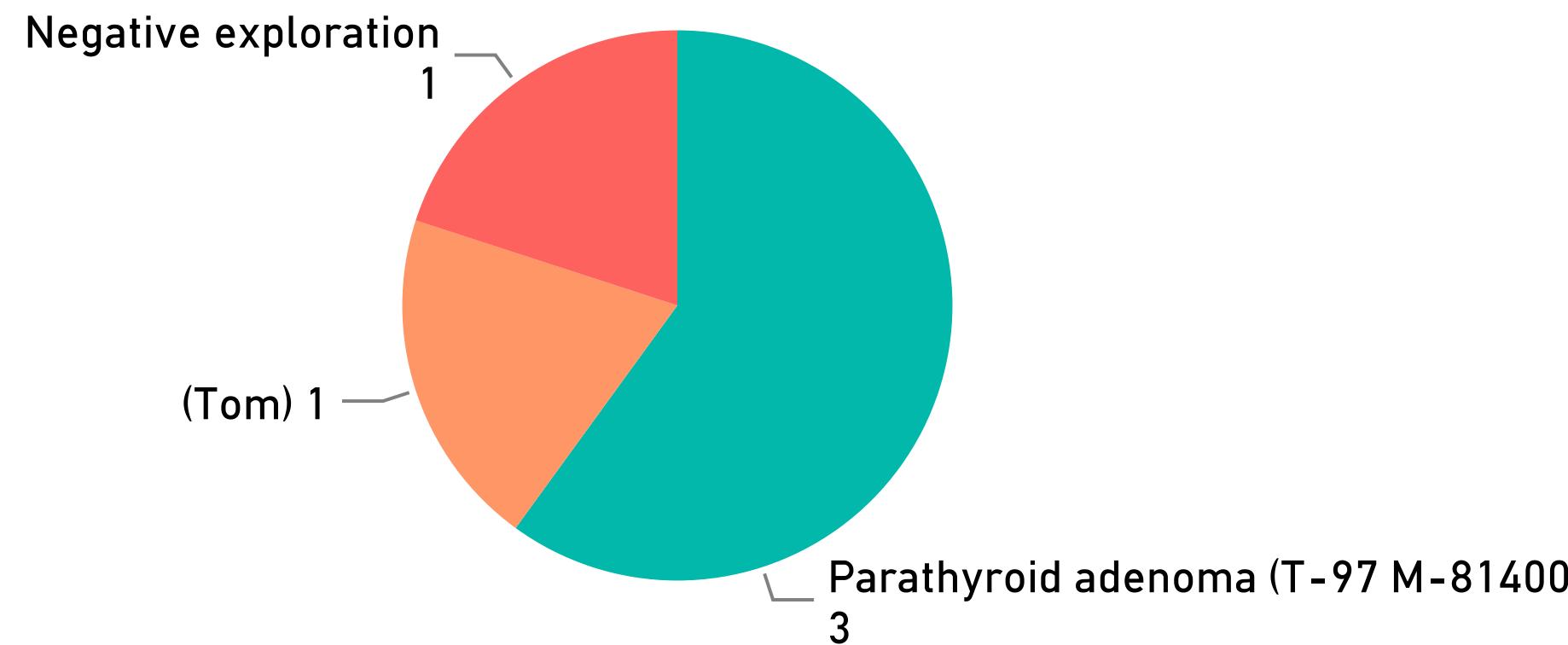
Histological Main Diagnosis in Patients with Persistent Hypercalcemia at Follow-up



Patients Reoperated for Persistence at Follow-up



Histological Main Diagnosis in Patients with Persistent Hypercalcemia at Follow-up



Patients Reoperated for Persistence at Follow-up

