

EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



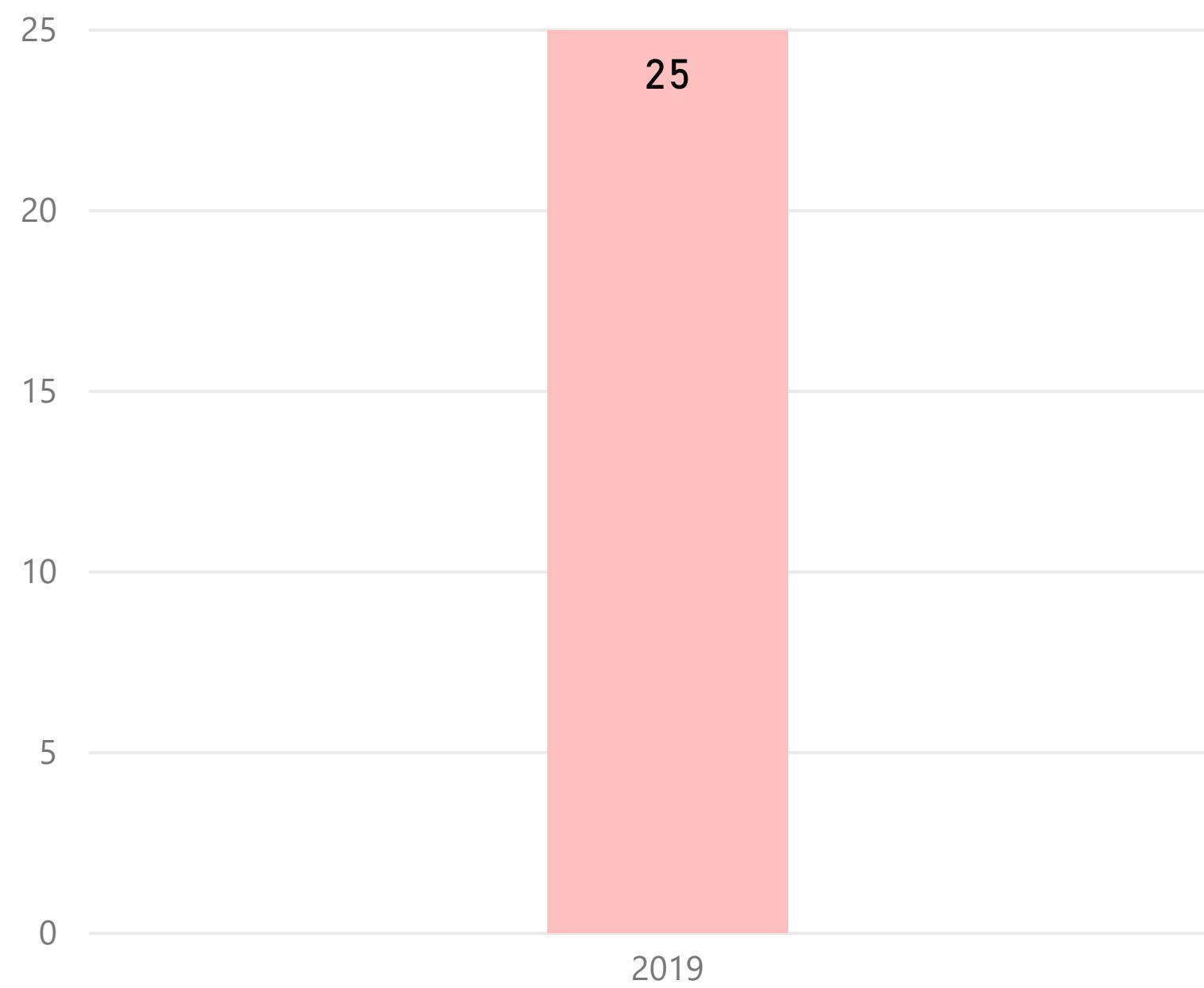
Investigated Clinic	Benchmark Clinics	Investigated Year
<ul style="list-style-type: none"><input type="checkbox"/> Bröst och Endokrinxirurgiska kliniken, KS H...<input type="checkbox"/> Carlanderska Endokrinxirurgi<input type="checkbox"/> Gastro Center Skåne<input type="checkbox"/> Kirurgiska kliniken, Aabenraa<input type="checkbox"/> Kirurgiska kliniken, Århus<input type="checkbox"/> Kirurgiska kliniken, Borås<input type="checkbox"/> Kirurgiska kliniken, Danderyd<input type="checkbox"/> Kirurgiska kliniken, Eksjö<input type="checkbox"/> Kirurgiska kliniken, Falun<input type="checkbox"/> Kirurgiska kliniken, Gävle<input type="checkbox"/> Kirurgiska kliniken, Göteborg<input type="checkbox"/> Kirurgiska kliniken, Halmstad<input type="checkbox"/> Kirurgiska kliniken, Haukeland<input type="checkbox"/> Kirurgiska kliniken, Helsingborg<input type="checkbox"/> Kirurgiska kliniken, Herning<input type="checkbox"/> Kirurgiska kliniken, Horsens<input type="checkbox"/> Kirurgiska kliniken, Jönköping<input type="checkbox"/> Kirurgiska kliniken, Kalmar<input checked="" type="checkbox"/> Kirurgiska kliniken, Karlskrona<input type="checkbox"/> Kirurgiska kliniken, Karlstad<input type="checkbox"/> Kirurgiska kliniken, Kristianstad<input type="checkbox"/> Kirurgiska kliniken. KS Solna	<ul style="list-style-type: none"><input type="checkbox"/> Markera alla<input checked="" type="checkbox"/> Bröst och Endokrinxirurgiska klinike...<input checked="" type="checkbox"/> Carlanderska Endokrinxirurgi<input checked="" type="checkbox"/> Gastro Center Skåne<input type="checkbox"/> Kirurgiska kliniken, Aabenraa<input type="checkbox"/> Kirurgiska kliniken, Århus<input checked="" type="checkbox"/> Kirurgiska kliniken, Borås<input type="checkbox"/> Kirurgiska kliniken, Danderyd<input checked="" type="checkbox"/> Kirurgiska kliniken, Eksjö<input checked="" type="checkbox"/> Kirurgiska kliniken, Falun<input checked="" type="checkbox"/> Kirurgiska kliniken, Gävle<input checked="" type="checkbox"/> Kirurgiska kliniken, Göteborg<input checked="" type="checkbox"/> Kirurgiska kliniken, Halmstad<input type="checkbox"/> Kirurgiska kliniken, Haukeland<input checked="" type="checkbox"/> Kirurgiska kliniken, Helsingborg<input type="checkbox"/> Kirurgiska kliniken, Herning<input type="checkbox"/> Kirurgiska kliniken, Horsens<input checked="" type="checkbox"/> Kirurgiska kliniken, Jönköping<input checked="" type="checkbox"/> Kirurgiska kliniken, Kalmar<input checked="" type="checkbox"/> Kirurgiska kliniken, Karlskrona	<ul style="list-style-type: none"><input type="checkbox"/> Markera alla<input type="checkbox"/> 2012<input type="checkbox"/> 2013<input type="checkbox"/> 2014<input type="checkbox"/> 2015<input type="checkbox"/> 2016<input type="checkbox"/> 2017<input type="checkbox"/> 2018<input checked="" type="checkbox"/> 2019

Report compiled by Anders Bergenfelz, Thomas Clerici and Thomas Musholt

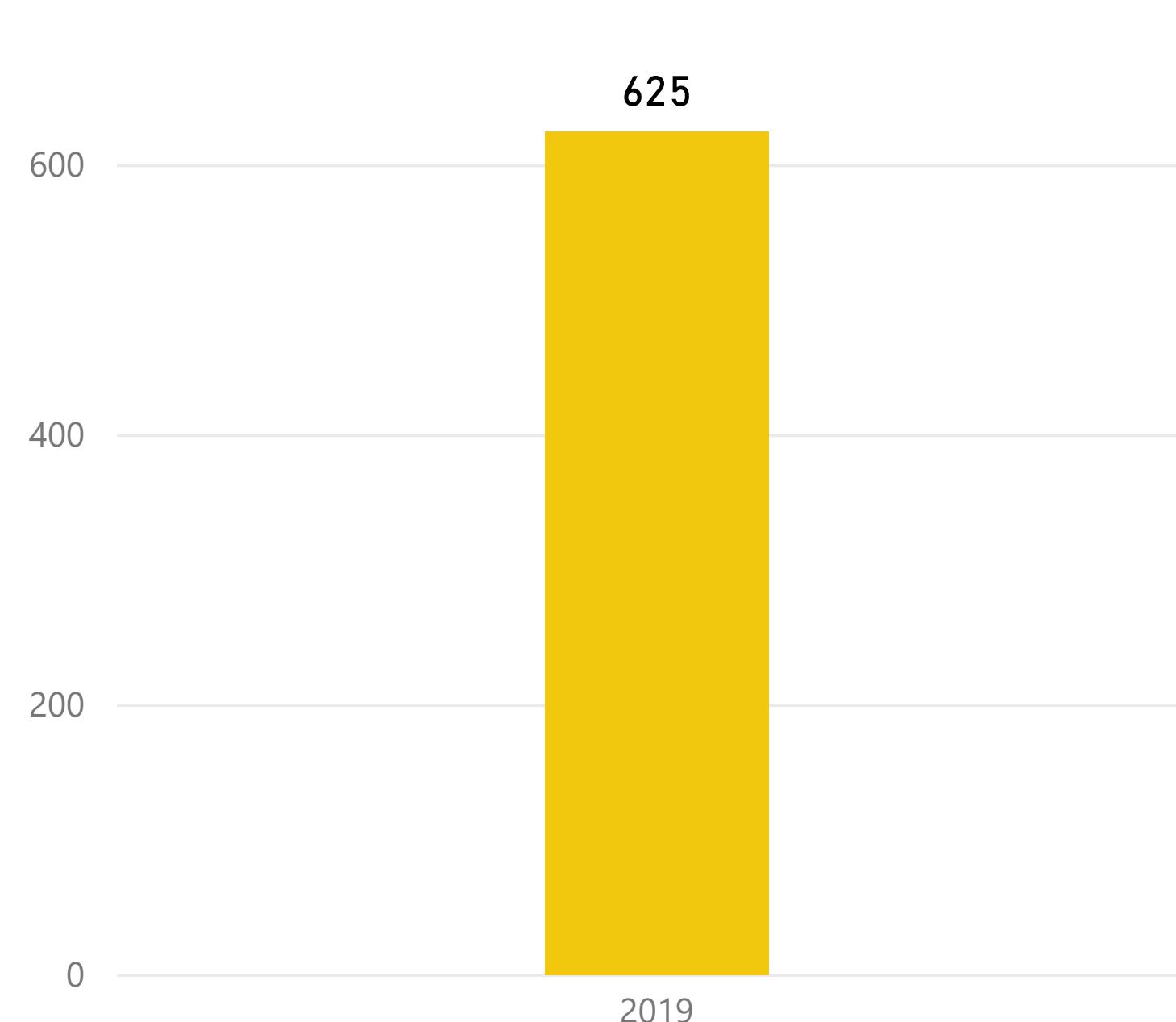
EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Registered Parathyroid Operations
in Your Clinic



Registered Parathyroid Operations in
Other EUROCRISE Clinics of Your Country



Investigated Year

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

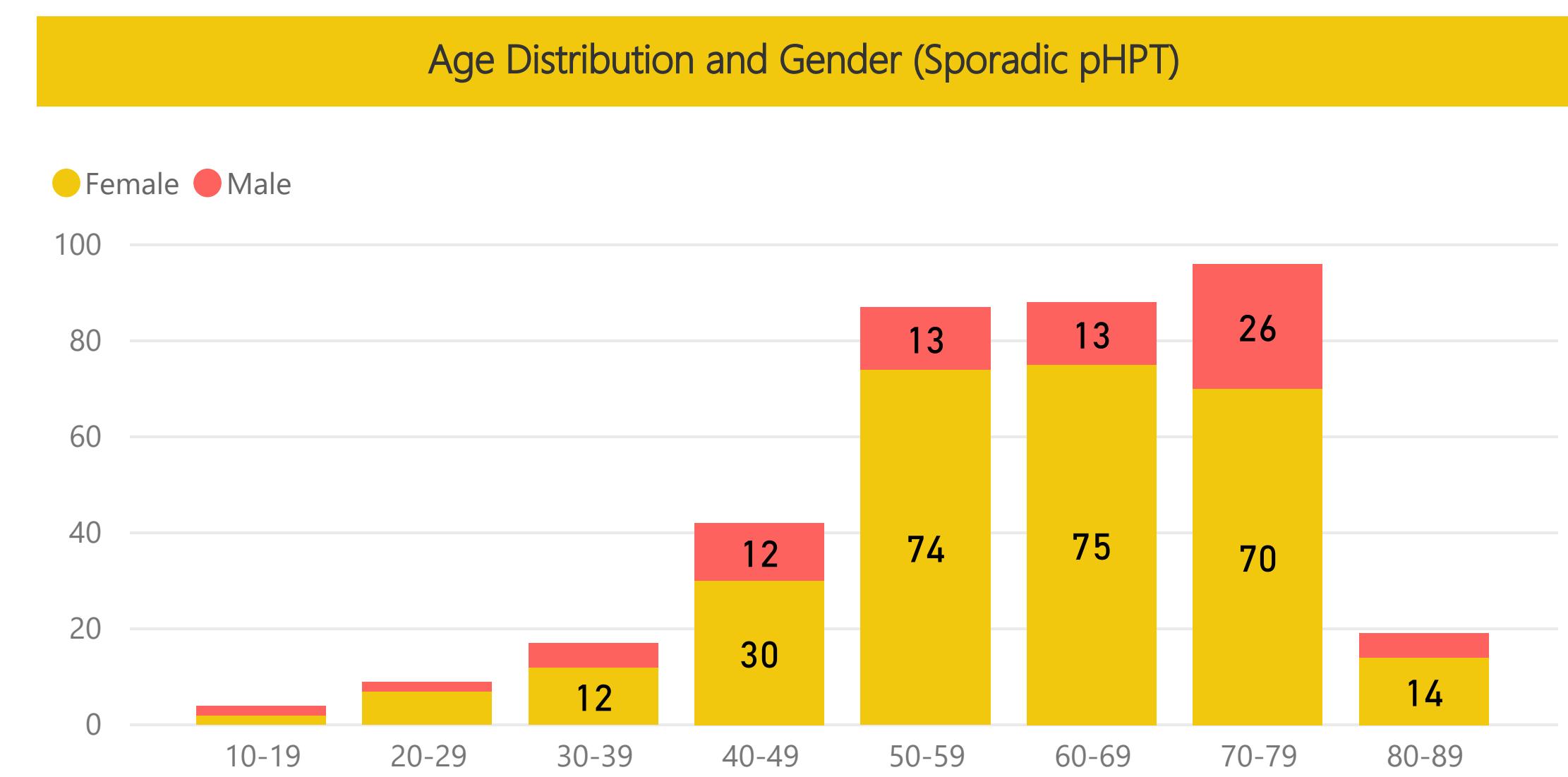
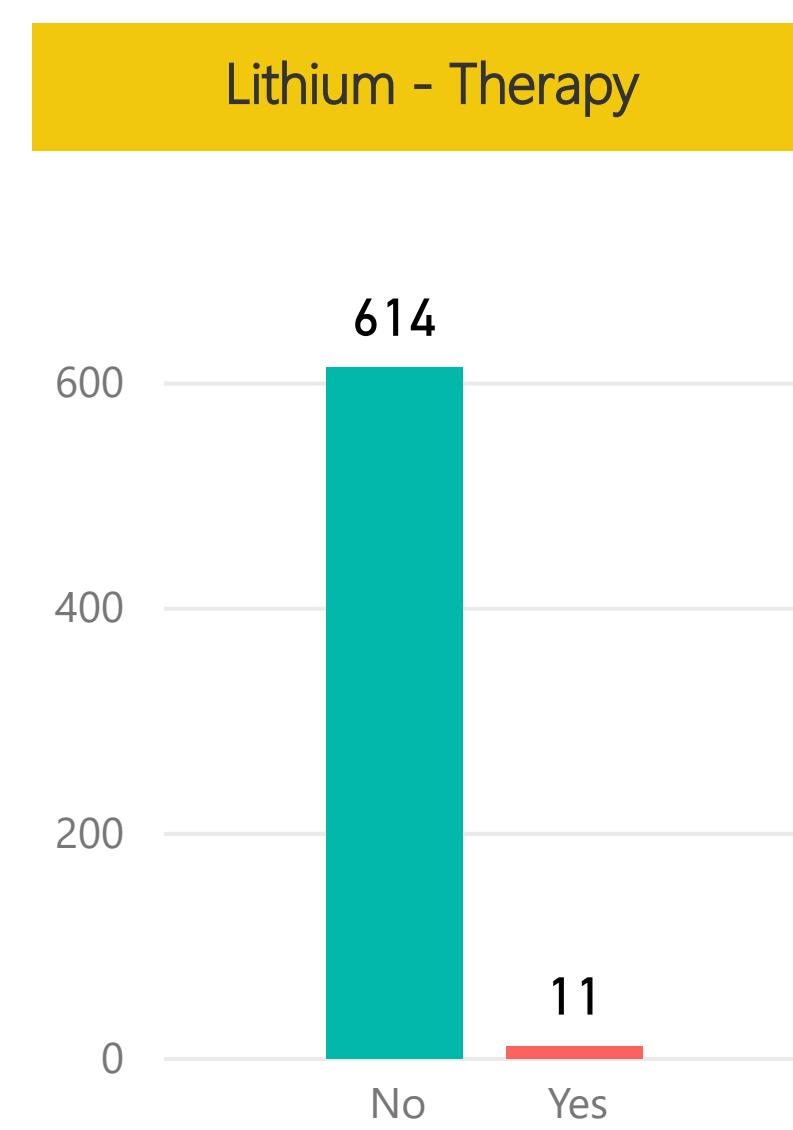
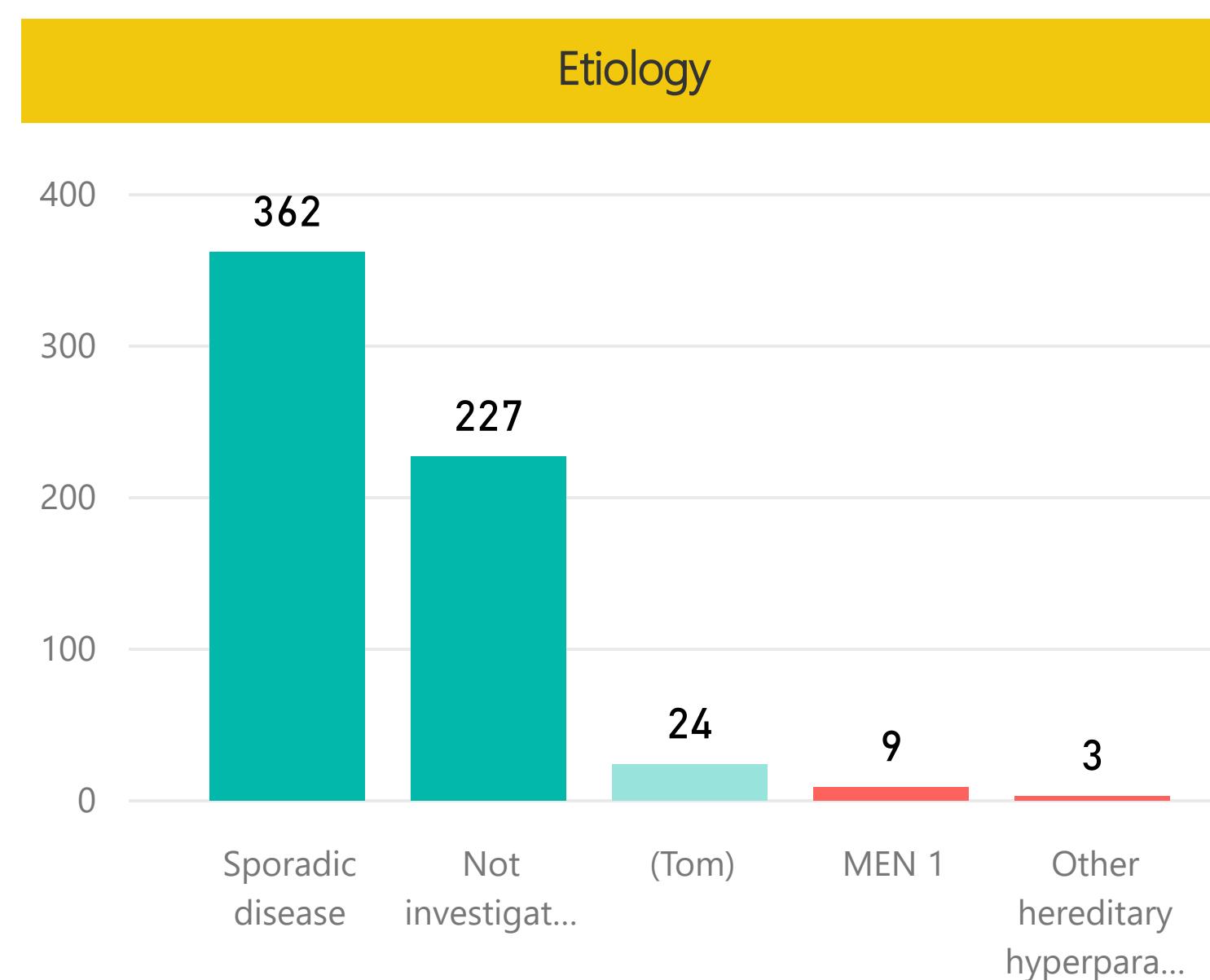
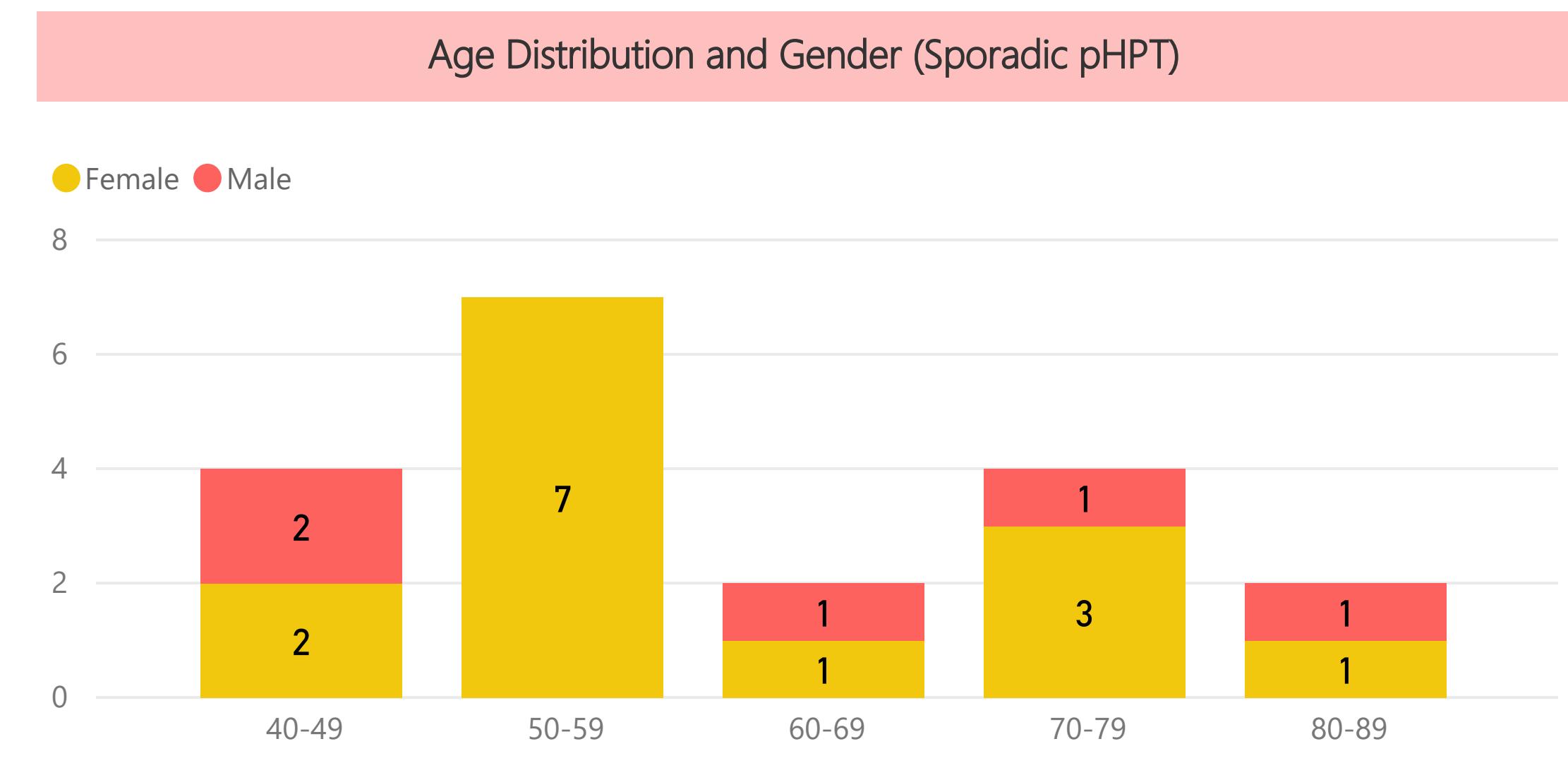
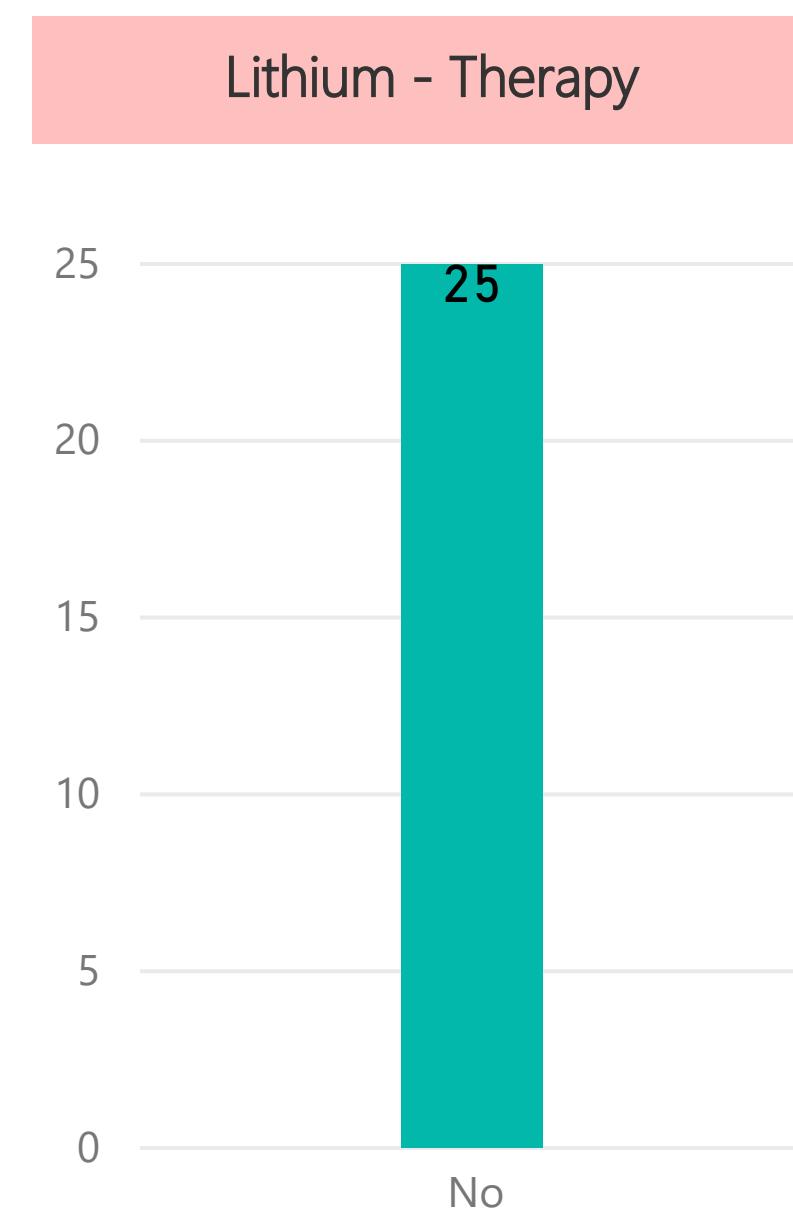
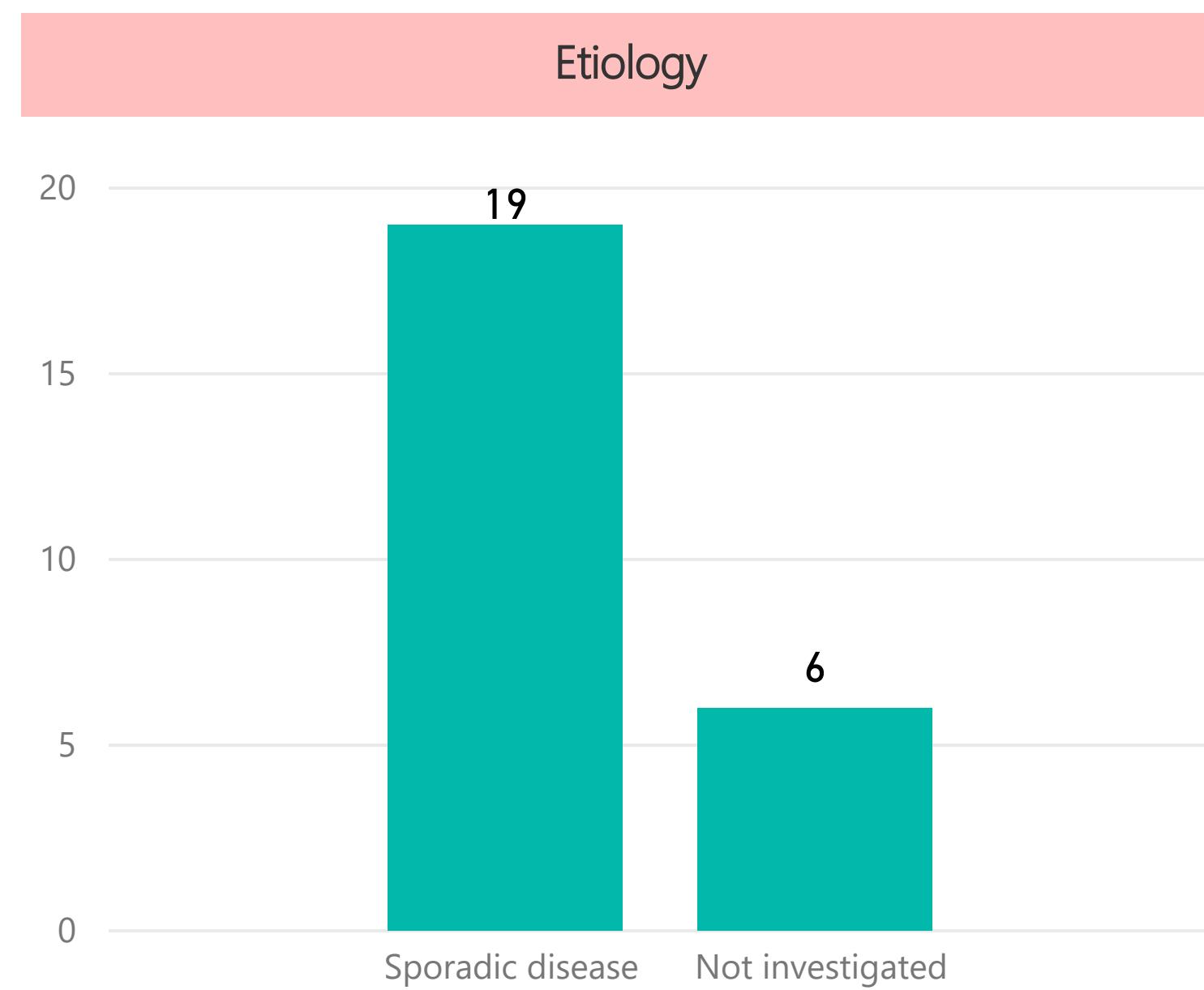
Color Coding in this Report:

Your Clinic

Other EUROCRISE Clinics in Your Country

Parathyroids

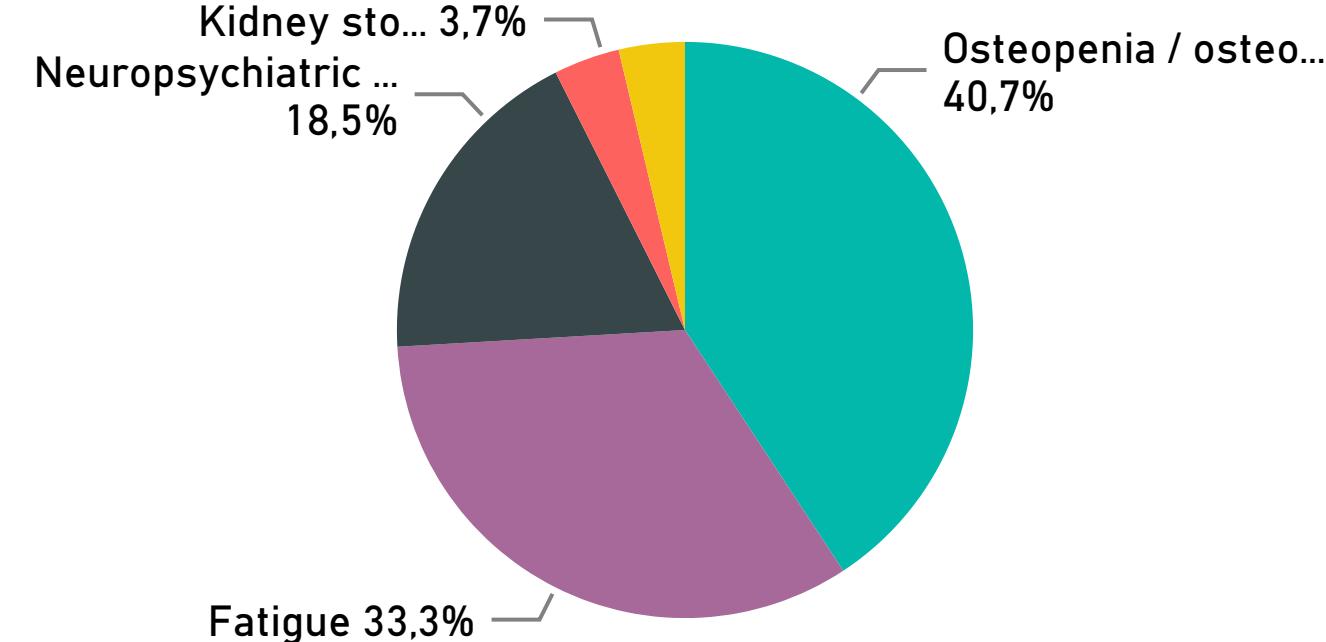
Etiology, Age Distribution



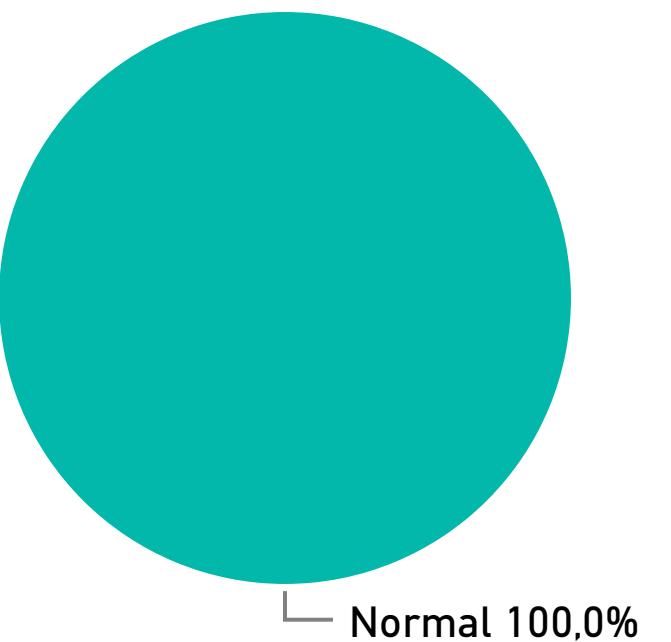
Parathyroids

Symptomatology and Preoperative Workup, Sporadic Disease, Primary Operations

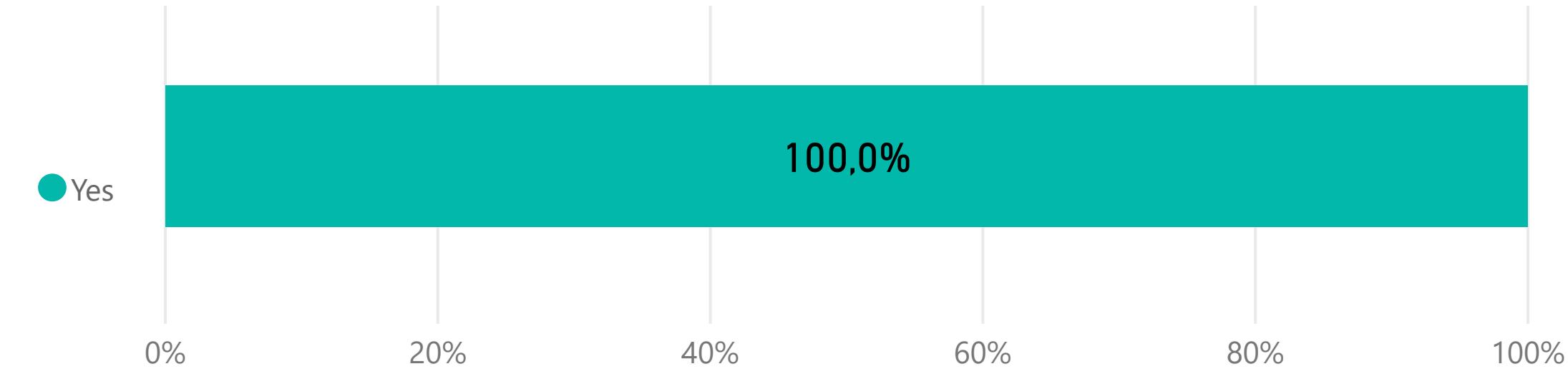
Preoperative Symptomatology



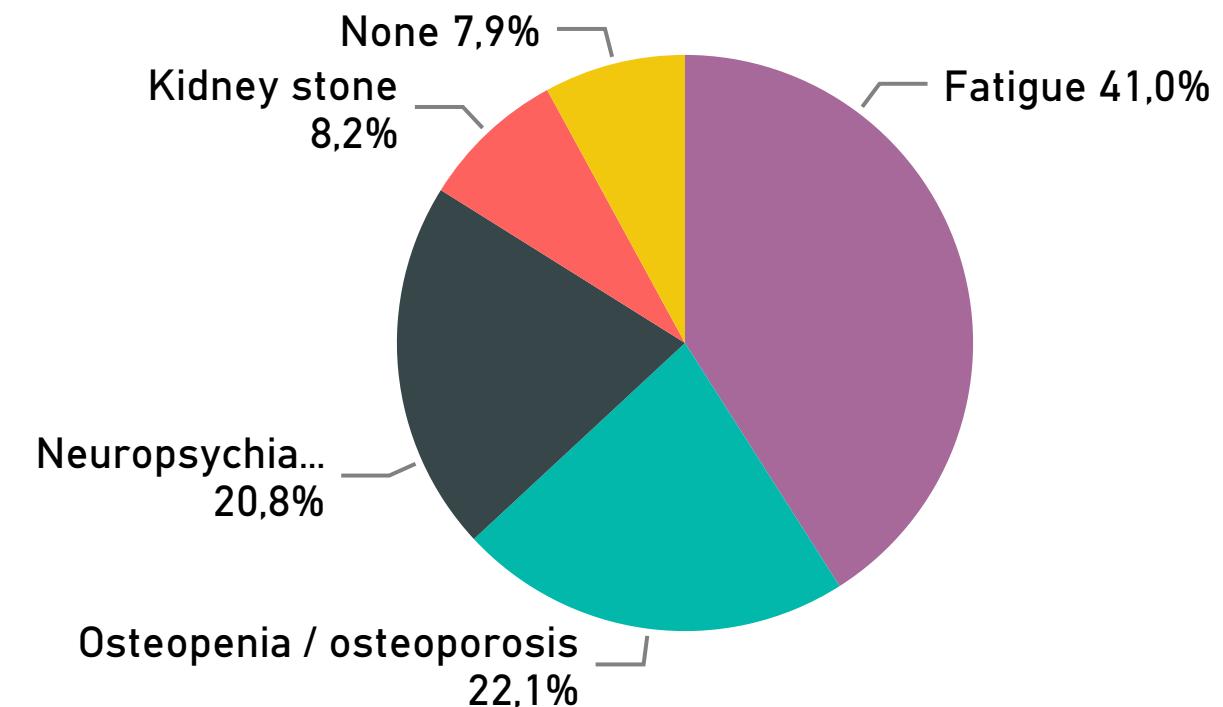
Preoperative Laryngoscopy



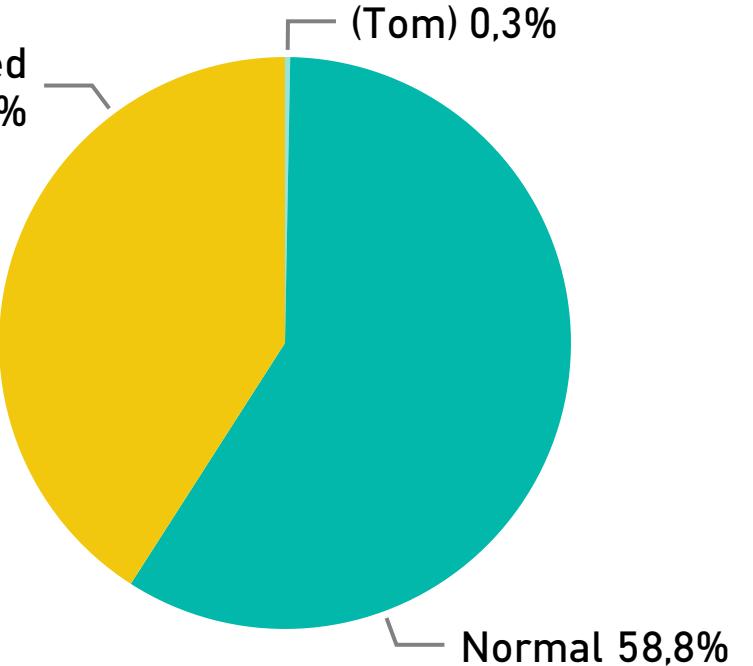
Localisation Examinations Performed



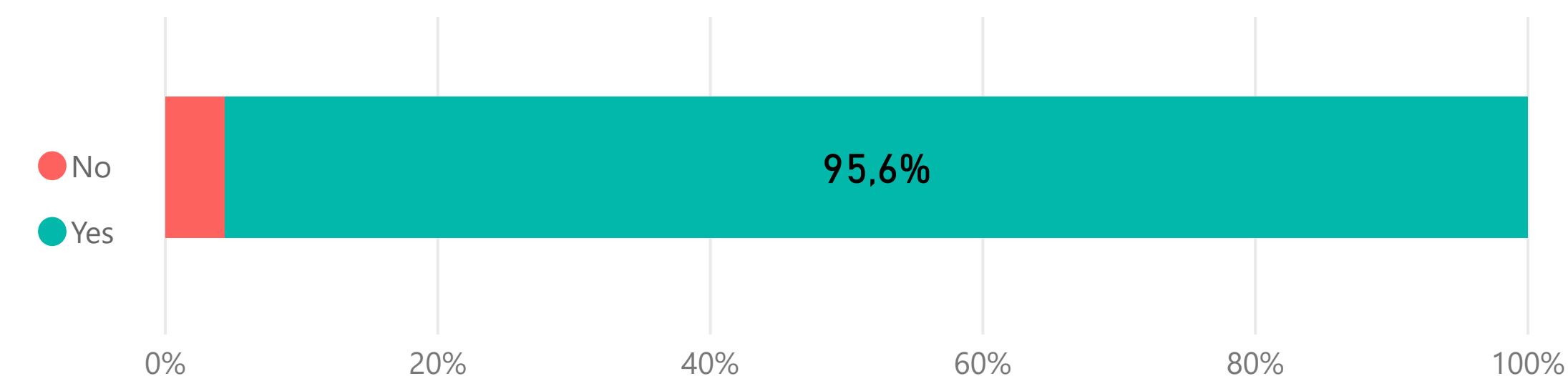
Preoperative Symptomatology



Preoperative Laryngoscopy



Localisation Examinations Performed

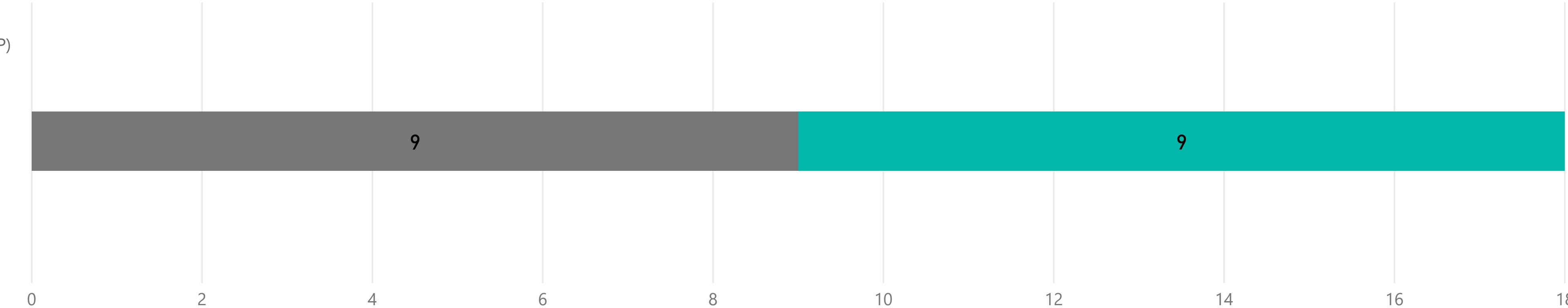


Parathyroids

Preoperative Imaging: Ultrasound, Sporadic Disease, Primary Operations

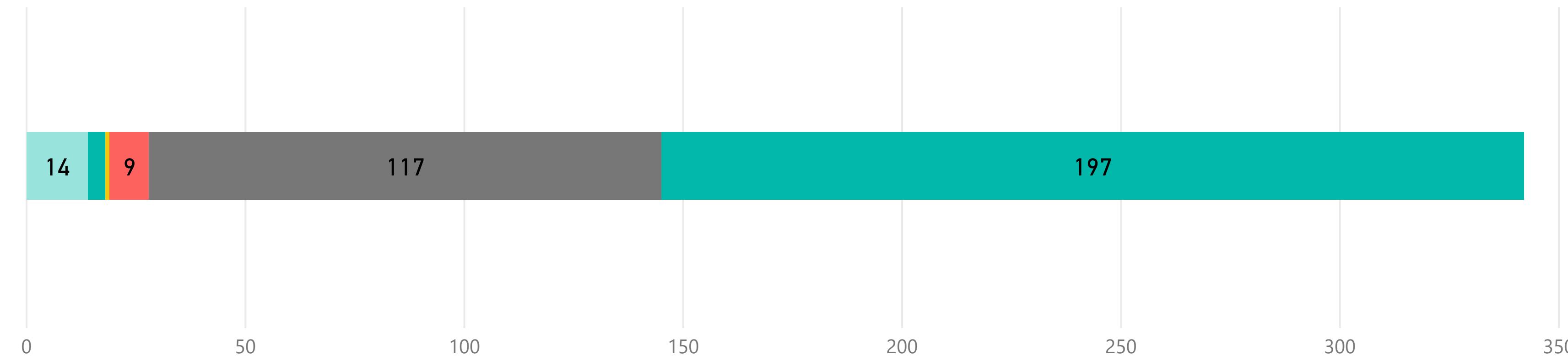
Preoperative Ultrasound in Relation to Intraoperative Finding

- 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

(Tom)

Negative / inconclusive pre-op examination

True pre-op localisation of solitary adenoma (TP)

1

6

11

0

2

4

6

8

10

12

14

16

18

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

19

6

12

104

200

0

50

100

150

200

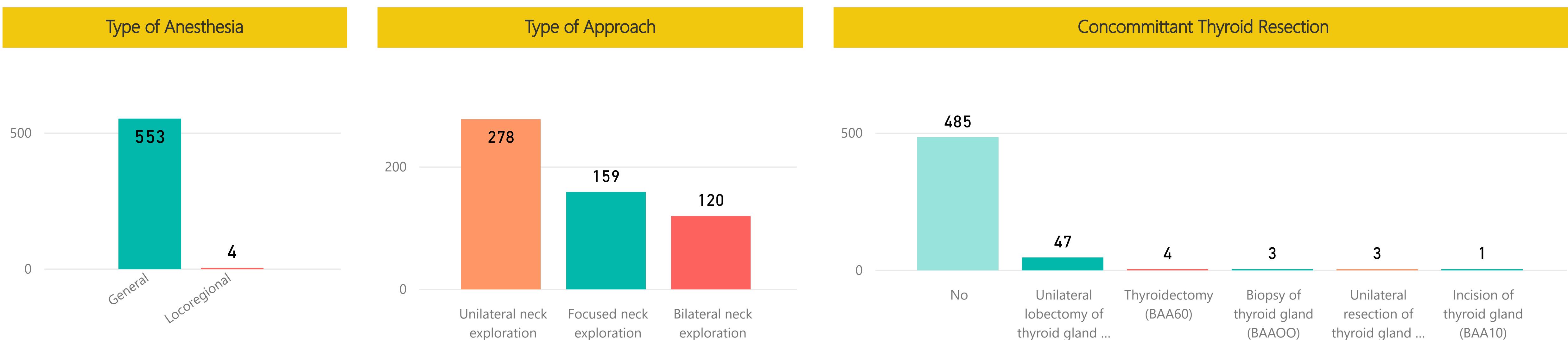
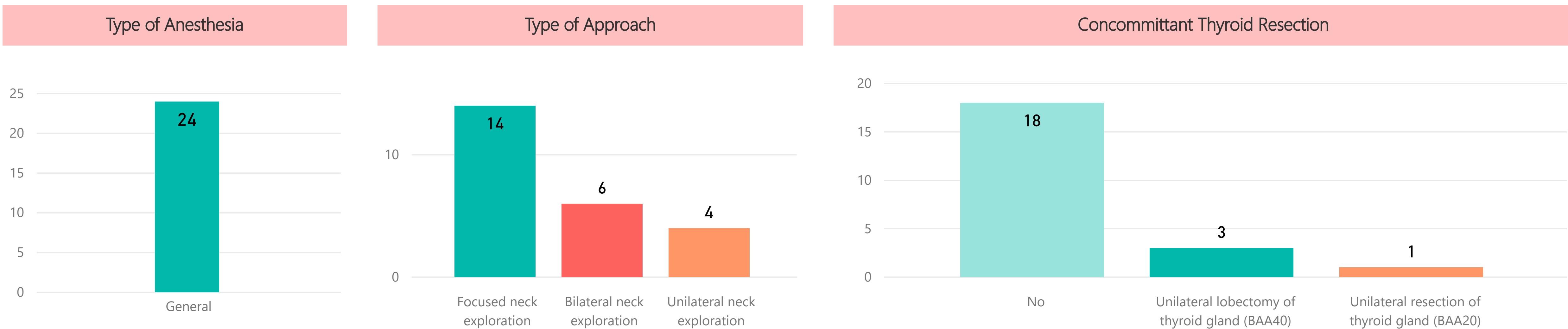
250

300

350

Parathyroids

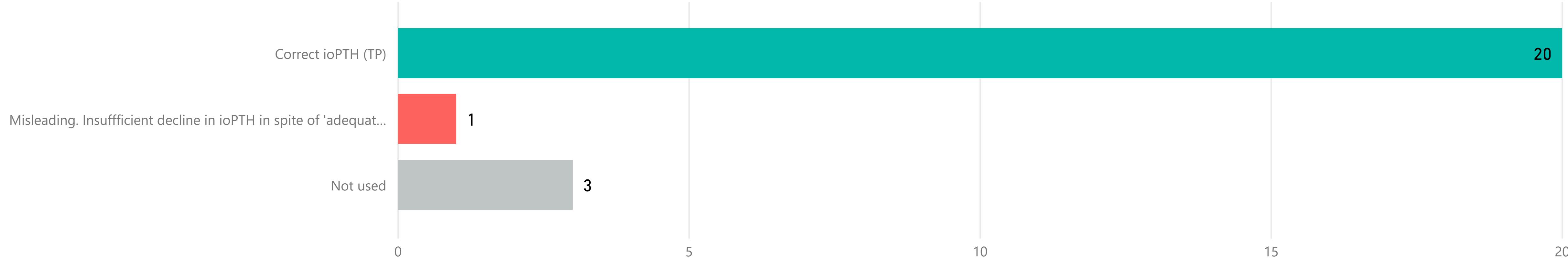
Characteristics of Primary Operations, Sporadic Disease



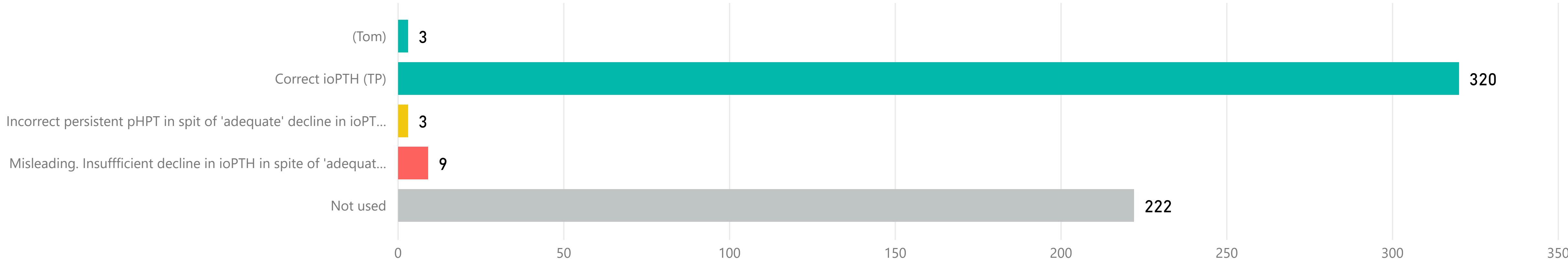
Parathyroids

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

PTH-Monitoring Results



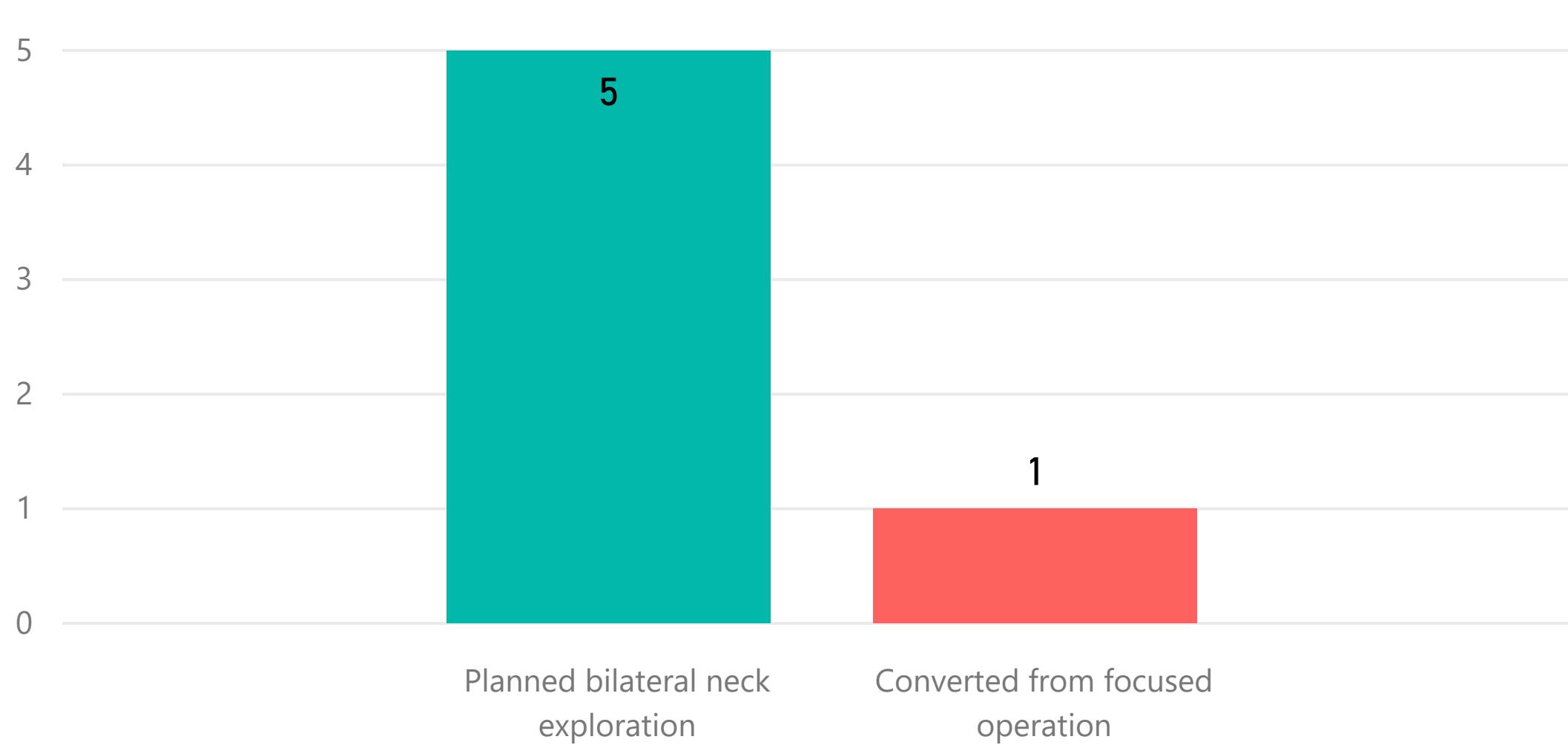
PTH-Monitoring Results



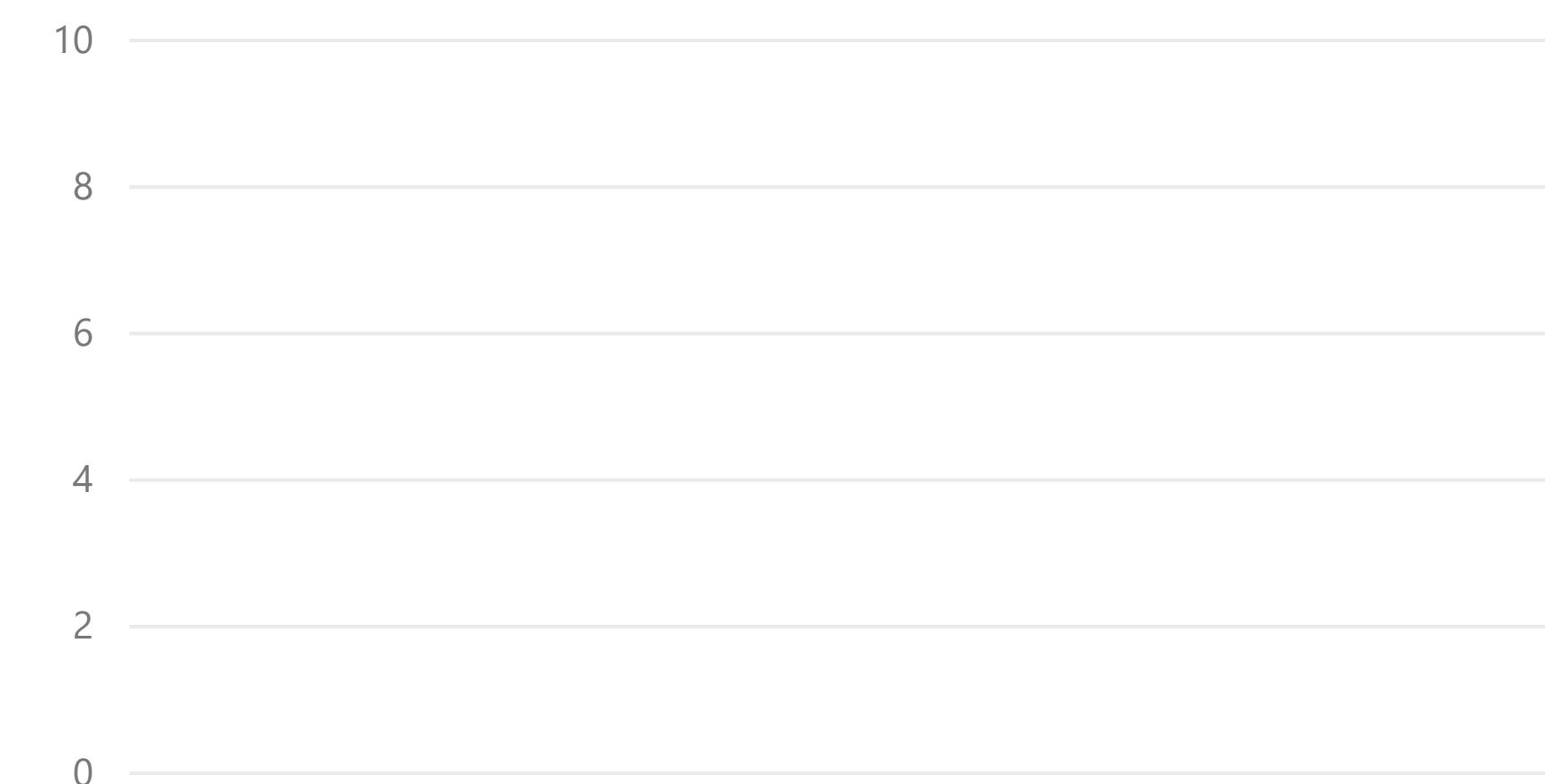
Parathyroids

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

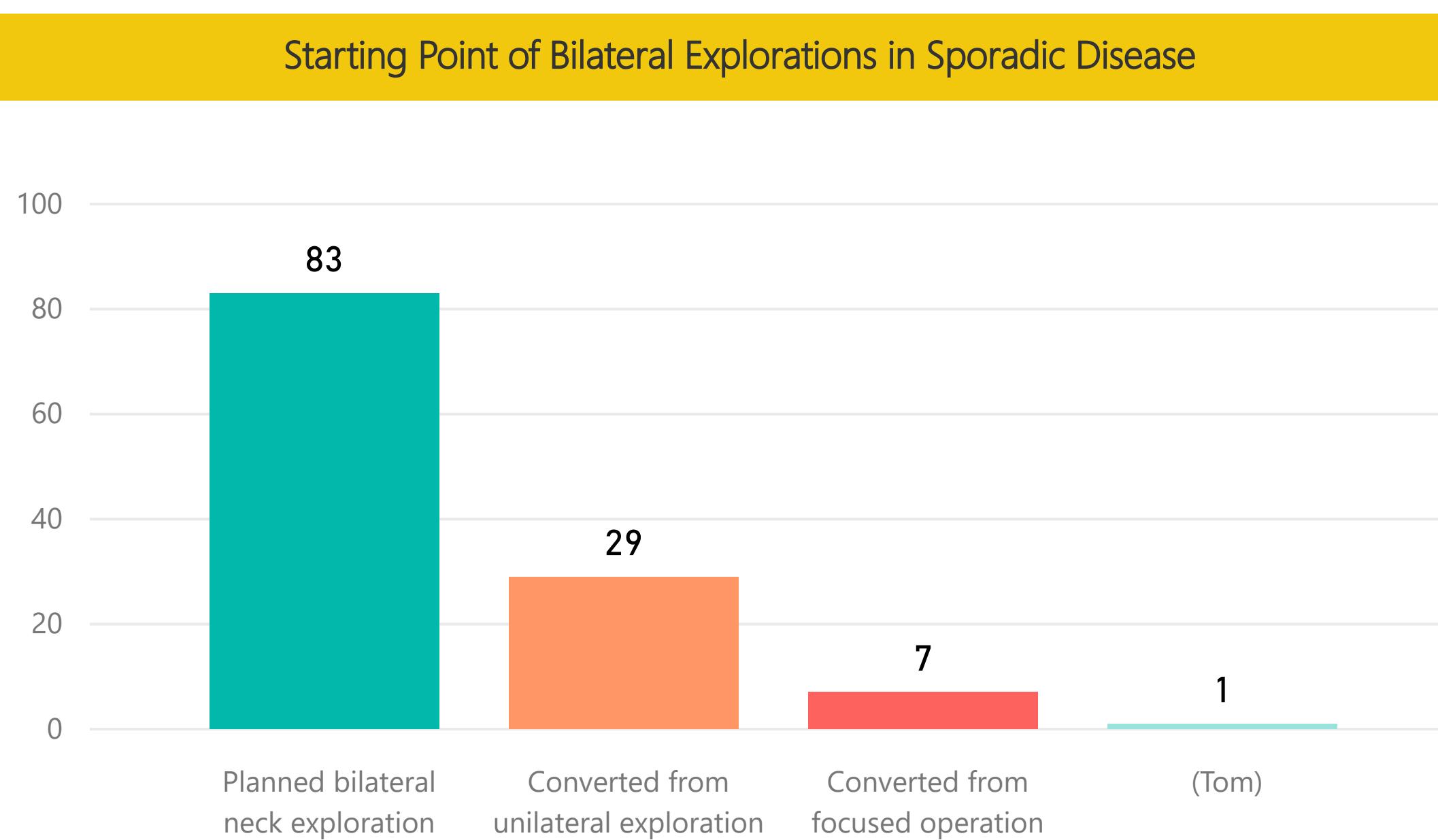
Starting Point of Bilateral Explorations in Sporadic Disease



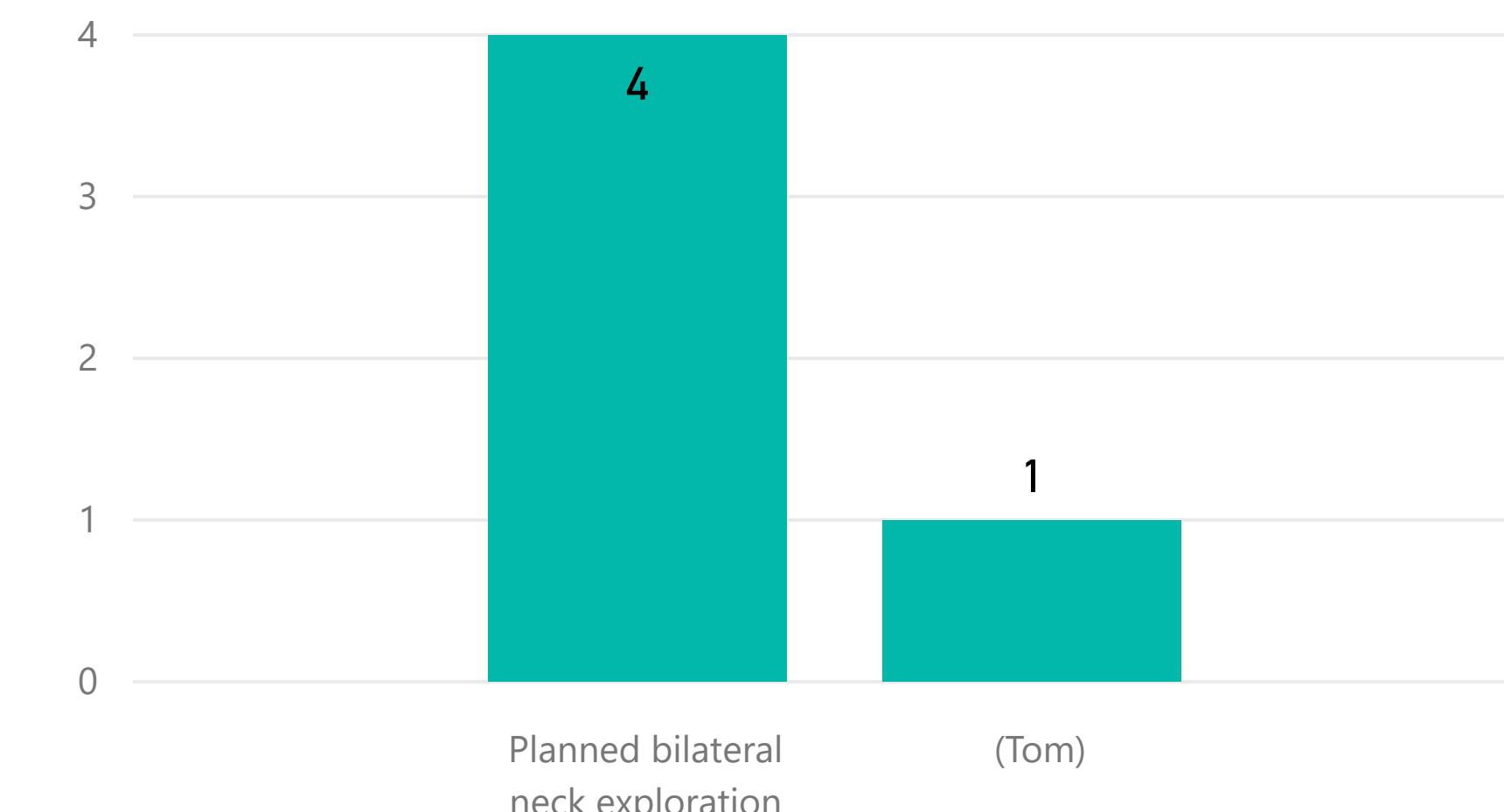
Starting Point of Bilateral Explorations in Hereditary Disease



Starting Point of Bilateral Explorations in Sporadic Disease

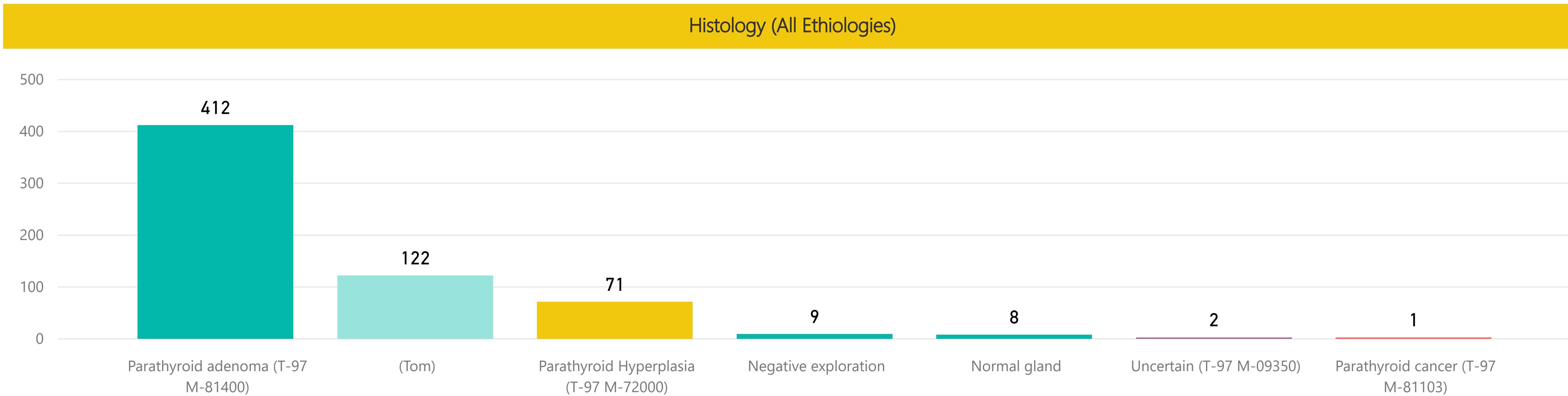
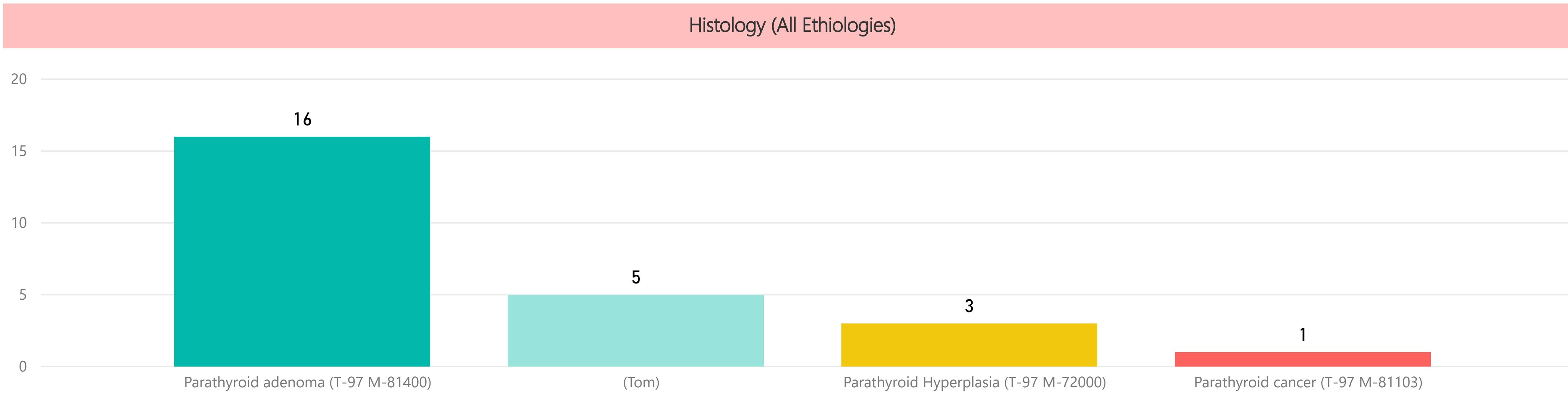


Starting Point of Bilateral Explorations in Hereditary Disease



Parathyroids

Histopathology Results

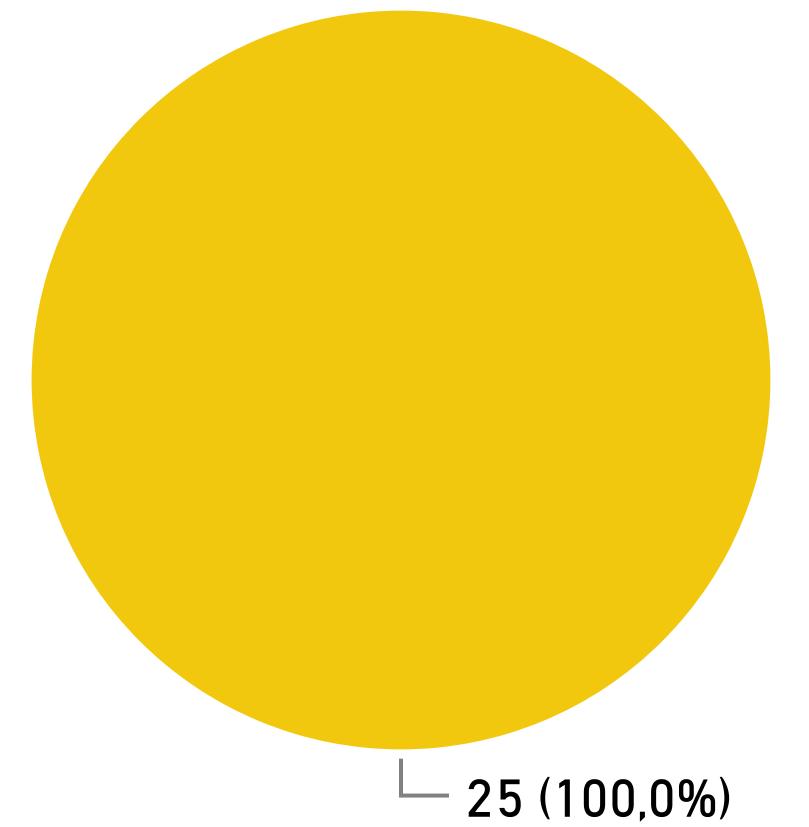


Parathyroids

Postoperative Laryngoscopy

Postoperative Laryngoscopy

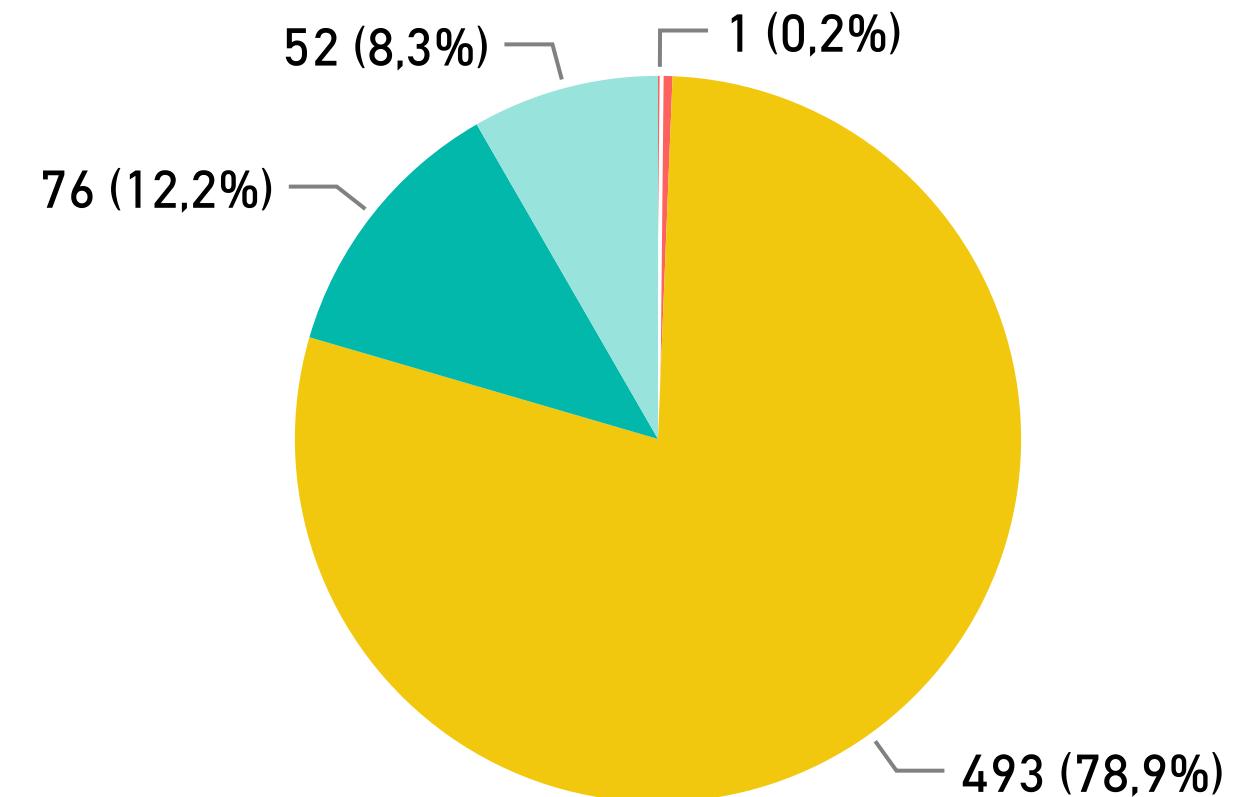
● Not performed



Postoperative Laryngoscopy	n	%
Not performed	25	100,00%
Totalt	25	100,00%

Postoperative Laryngoscopy

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



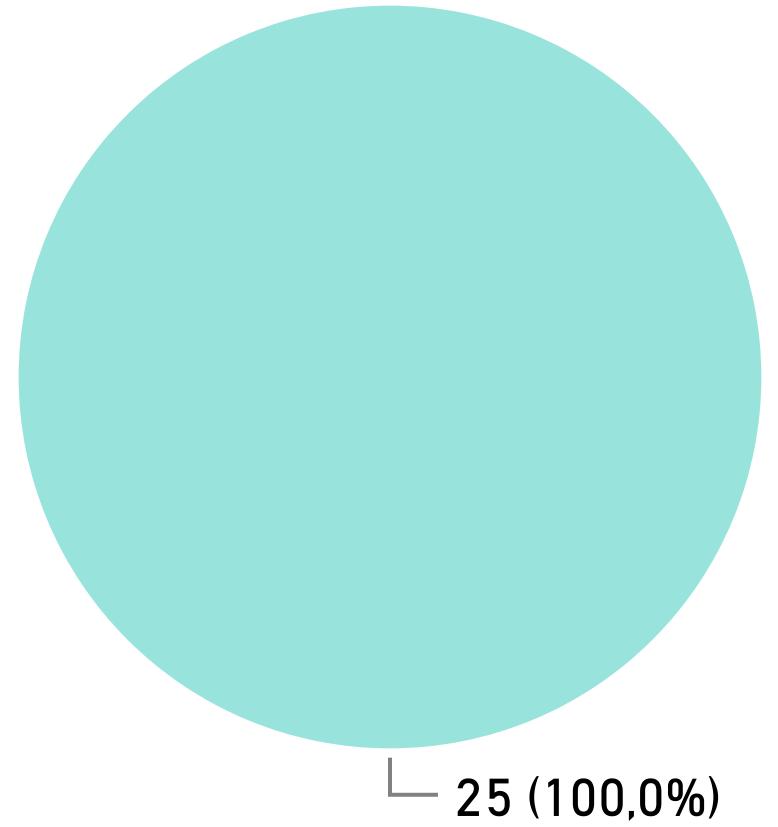
Postoperative Laryngoscopy	n	%
Not performed	52	8,32%
Normal	76	12,16%
Paresis of the left recurrent laryngeal nerve	493	78,88%
Paresis of the right recurrent laryngeal nerve	1	0,48%
Totalt	625	100,00%

Parathyroids

Laryngoscopy at Follow-up (F2)

Laryngoscopy at Longterm Follow-up (F2)

(Tom)



Laryngoscopy at Follow-up	n	%
	25	100,00%
Totalt	25	100,00%

Laryngoscopy at Longterm Follow-up (F2)

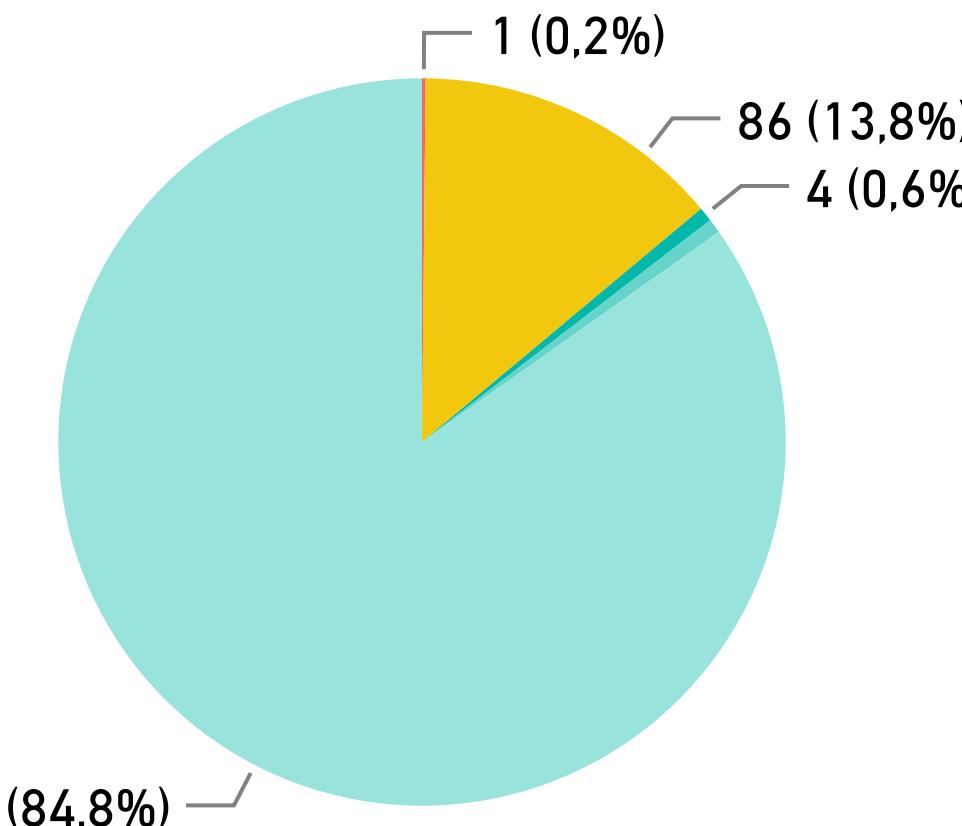
Paresis of the left recurrent laryngeal nerve

Not performed

Normal

No data available

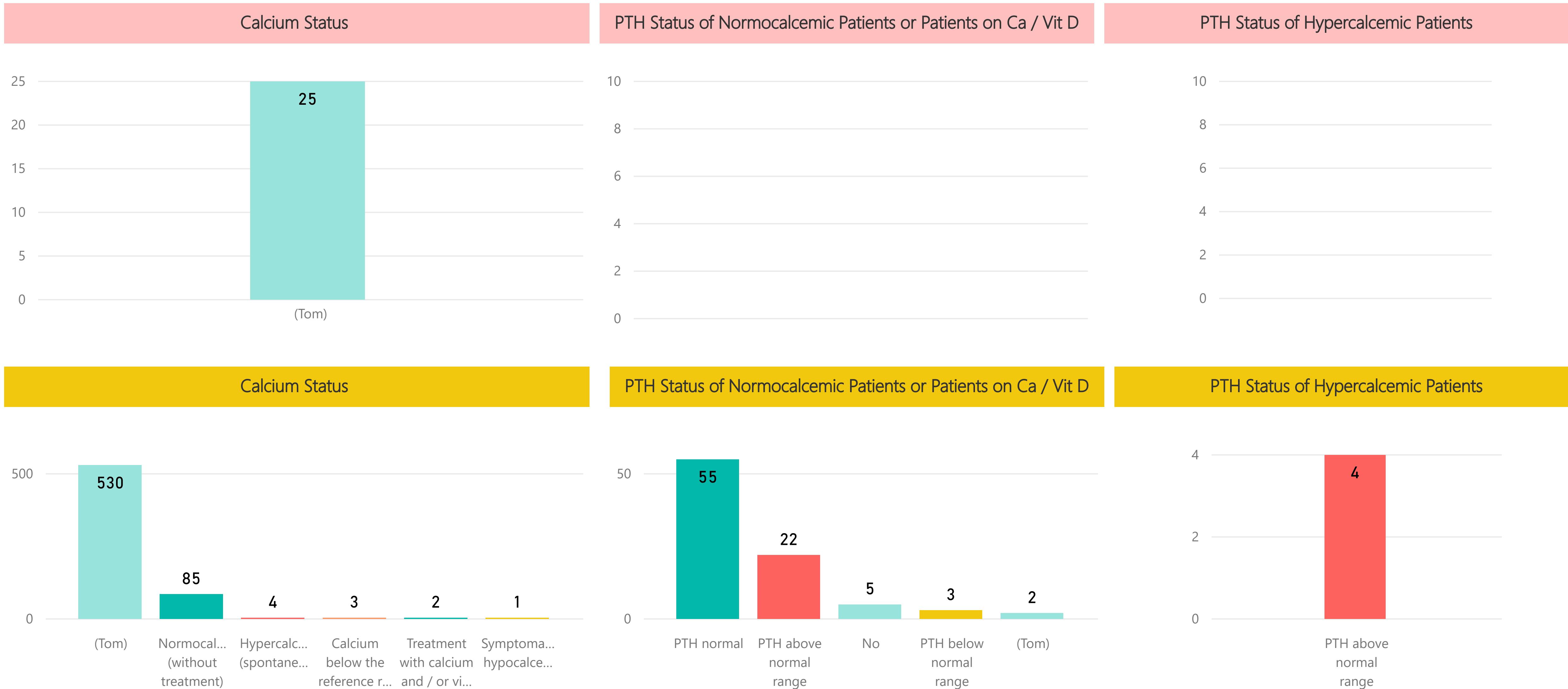
(Tom)



Laryngoscopy at Follow-up	n	%
	530	84,80%
No data available	4	0,64%
Normal	4	0,64%
Not performed	86	13,76%
Paresis of the left recurrent laryngeal nerve	1	0,16%
Totalt	625	100,00%

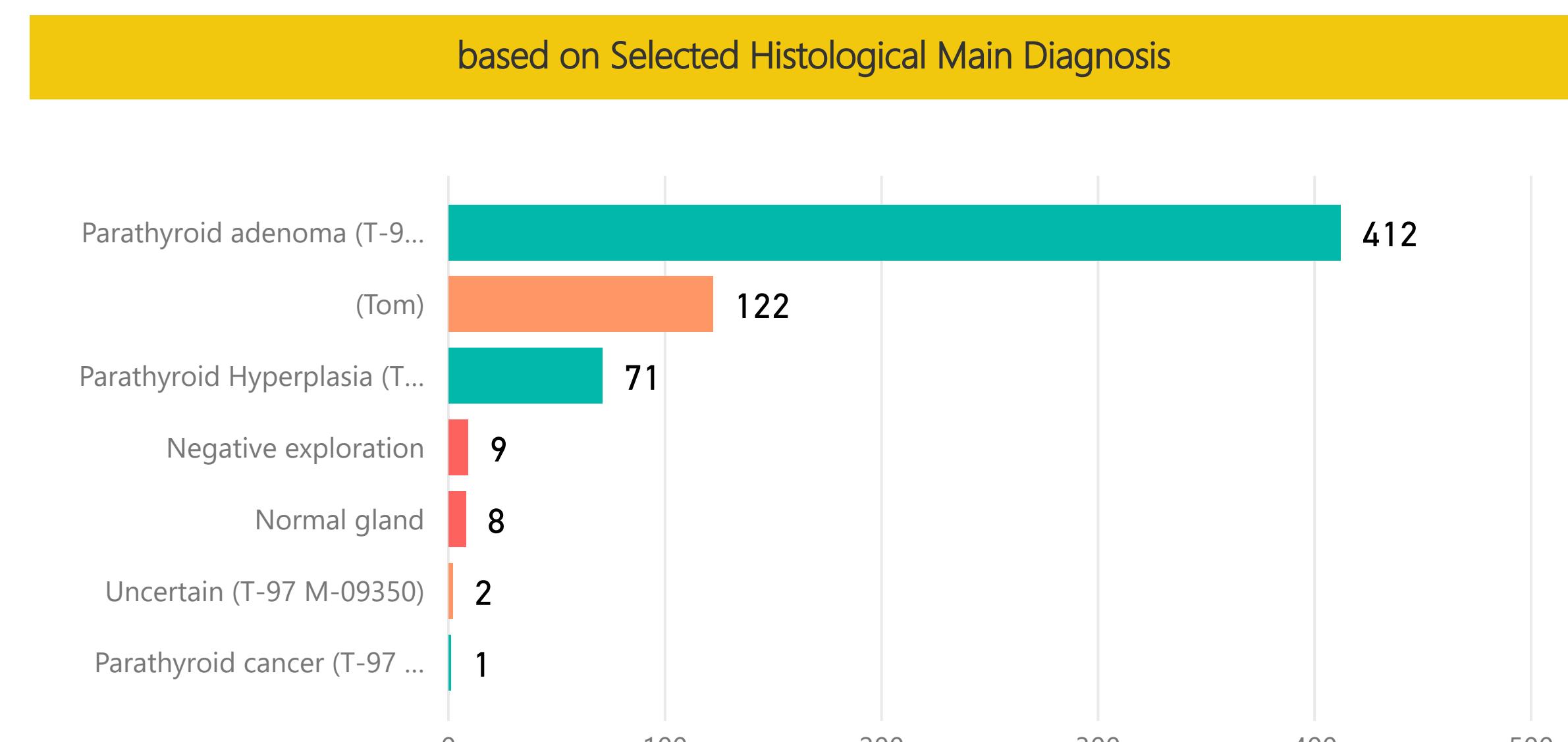
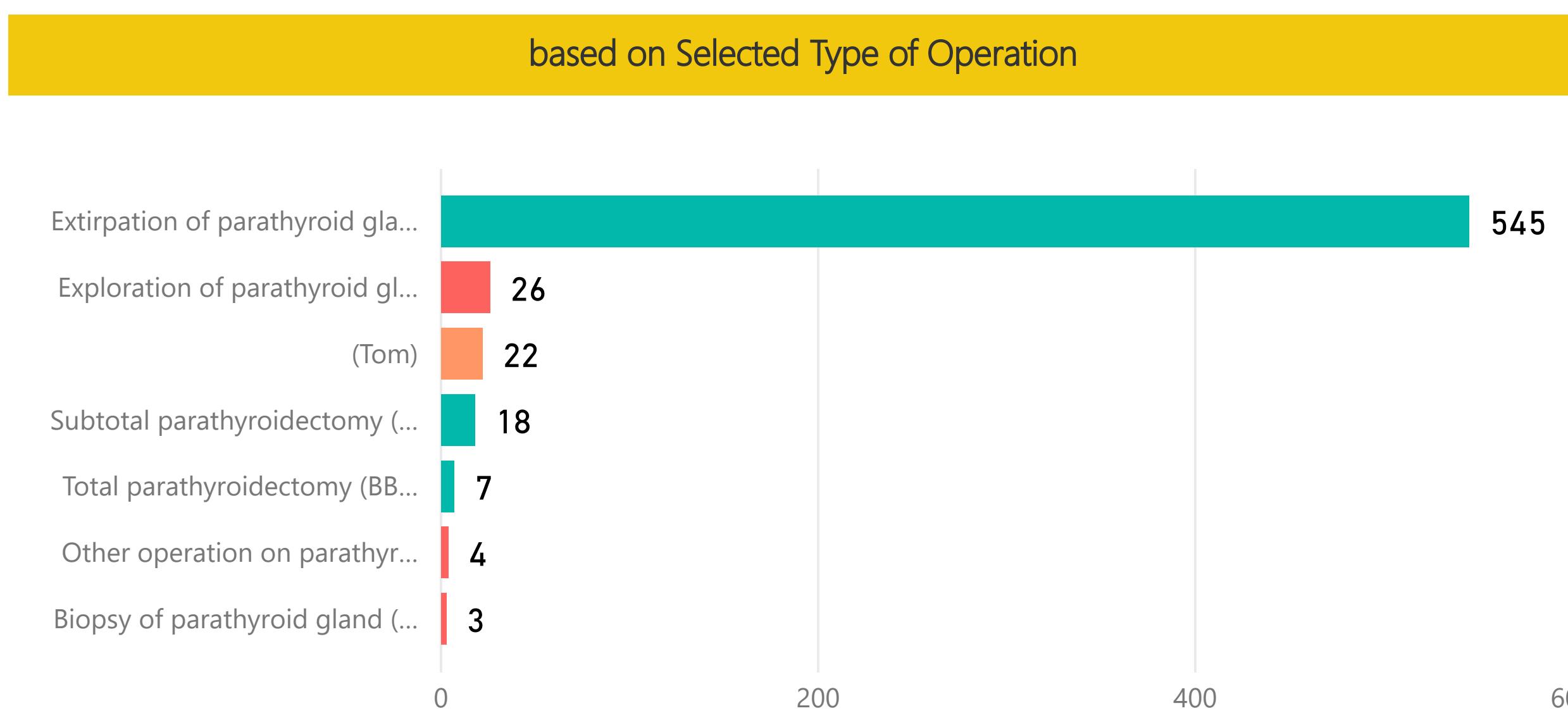
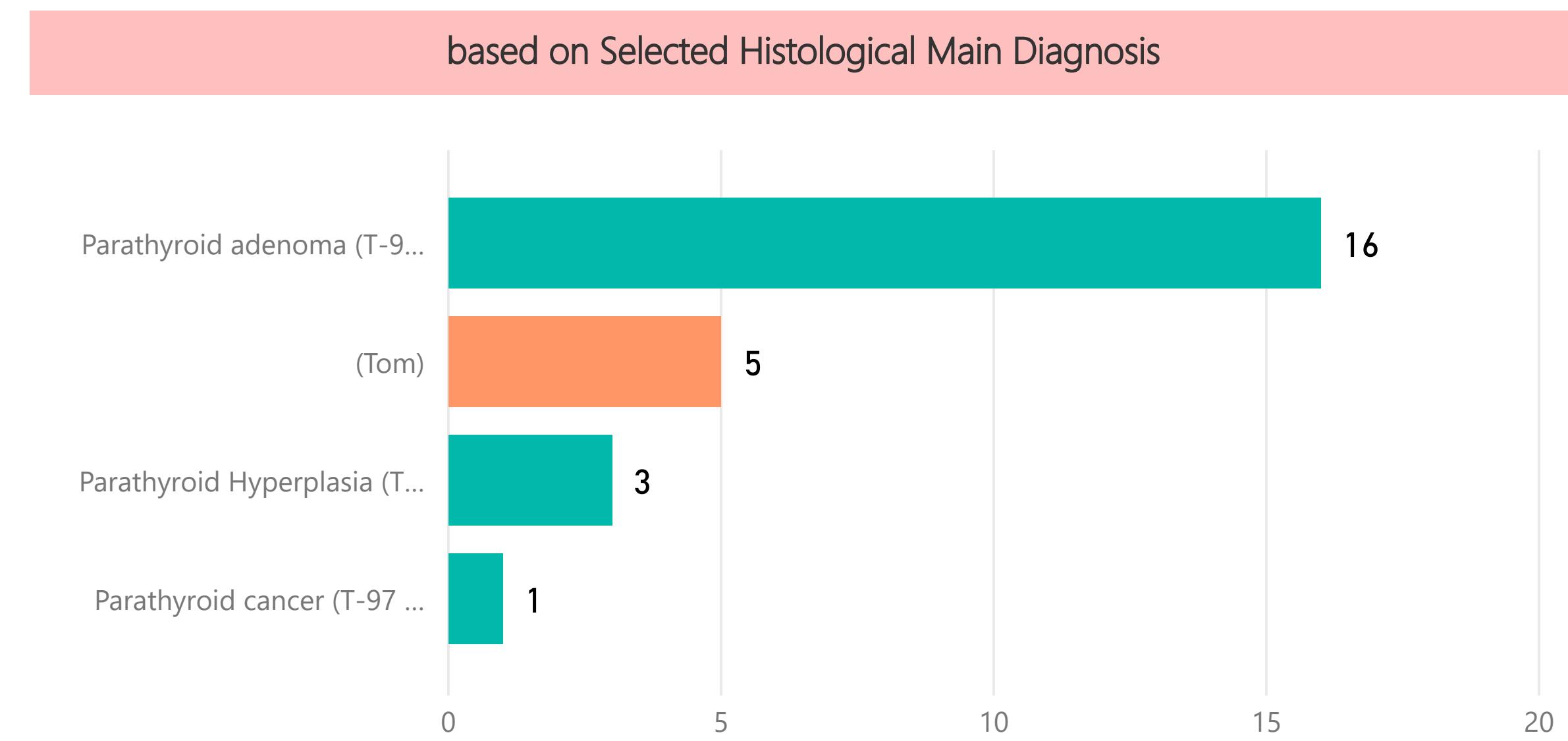
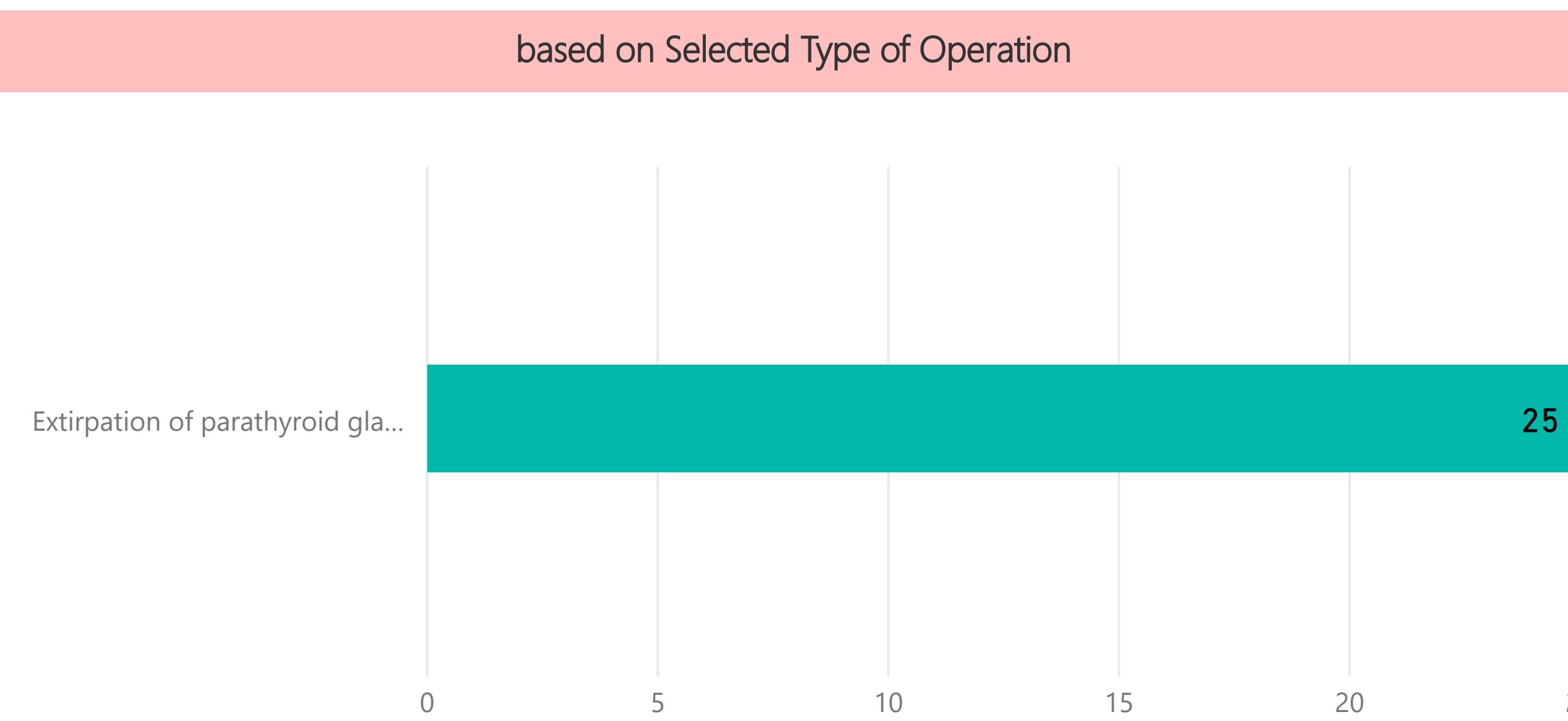
Parathyroids

Follow-up Data



Parathyroids

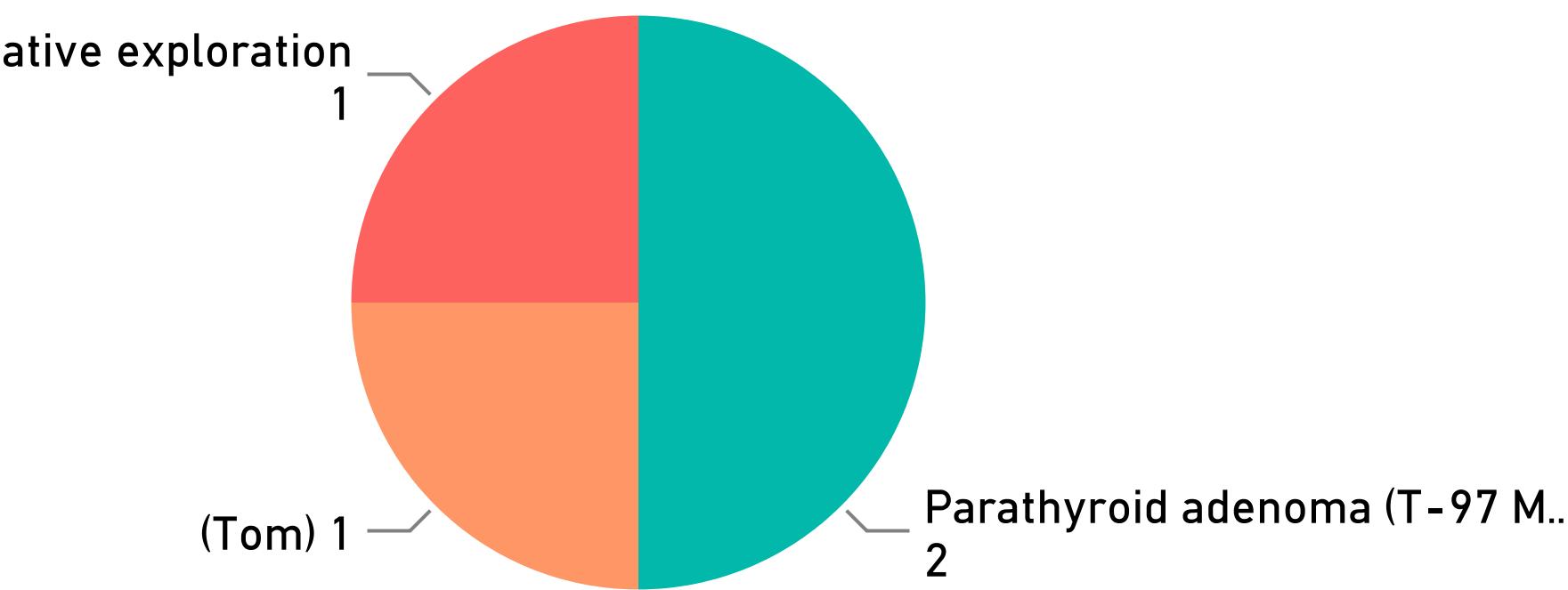
Potentially Negative Explorations with Possible Disease Persistence based on Selected Type of Operation or Main Histological Diagnosis



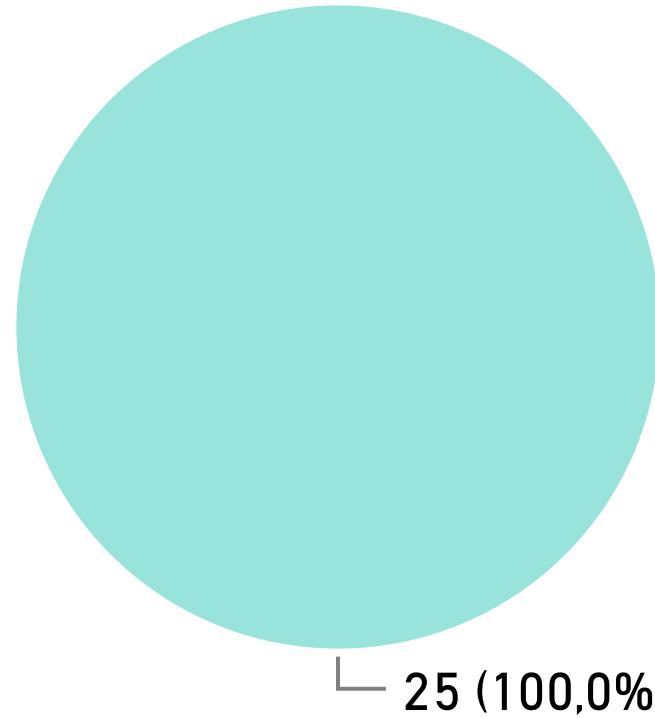
Parathyroids

Persistences and Re-Operations

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



Patients Reoperated for Persistence at Follow-up



(Tom)

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

Patients Reoperated for Persistence at Follow-up

- (Tom)
- No
- No data available
- Yes

