

EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Investigated Clinic

- Carlanderska Endokrlinkirurgi
- Gastro Center Skåne
- Kirurgiska kliniken, Borås
- Kirurgiska kliniken, Eksjö
- Kirurgiska kliniken, Falun
- Kirurgiska kliniken, Gävle
- Kirurgiska kliniken, Göteborg
- Kirurgiska kliniken, Halmstad
- Kirurgiska kliniken, Jönköping
- Kirurgiska kliniken, Kalmar
- Kirurgiska kliniken, Karlskrona
- Kirurgiska kliniken, Karlstad
- Kirurgiska kliniken, Kristianstad
- Kirurgiska kliniken, KS Solna
- Kirurgiska kliniken, Kungälv
- Kirurgiska kliniken, Linköping
- Kirurgiska kliniken, Luleå
- Kirurgiska kliniken, Lund
- Kirurgiska kliniken, Norrköping
- Kirurgiska kliniken, Nyköping
- Kirurgiska kliniken, Örebro
- Kiruraiska kliniken, Östersund

Benchmark Clinics

- Markera alla
- Carlanderska Endokrlinkirurgi
- Gastro Center Skåne
- Kirurgiska kliniken, Borås
- Kirurgiska kliniken, Eksjö
- Kirurgiska kliniken, Falun
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- Kirurgiska kliniken, Lund
- Kirurgiska kliniken, Norrköping

Investigated Year

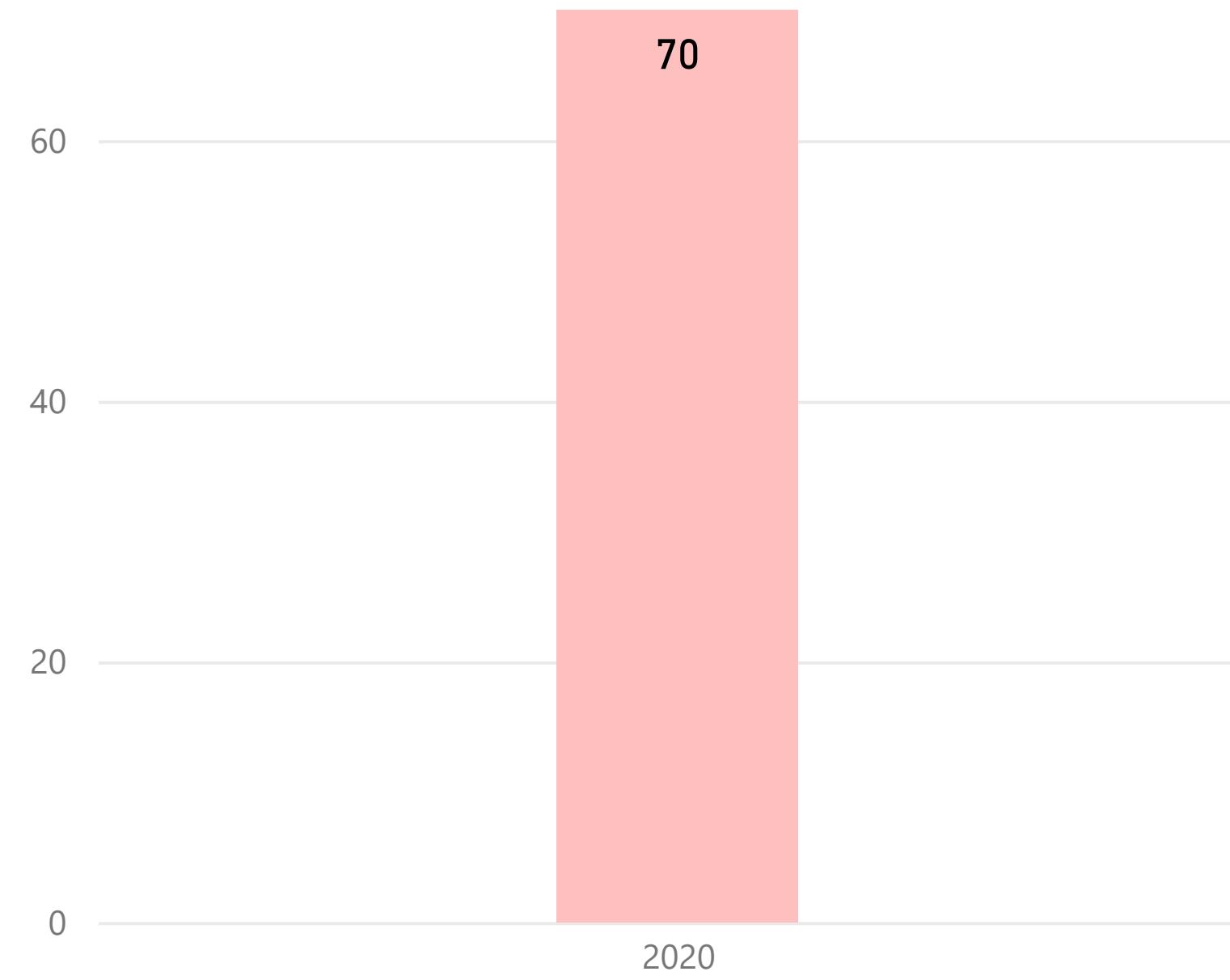
- Markera alla
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021

Report compiled by Anders Bergenfelz, Thomas Clerici and Thomas Musholt

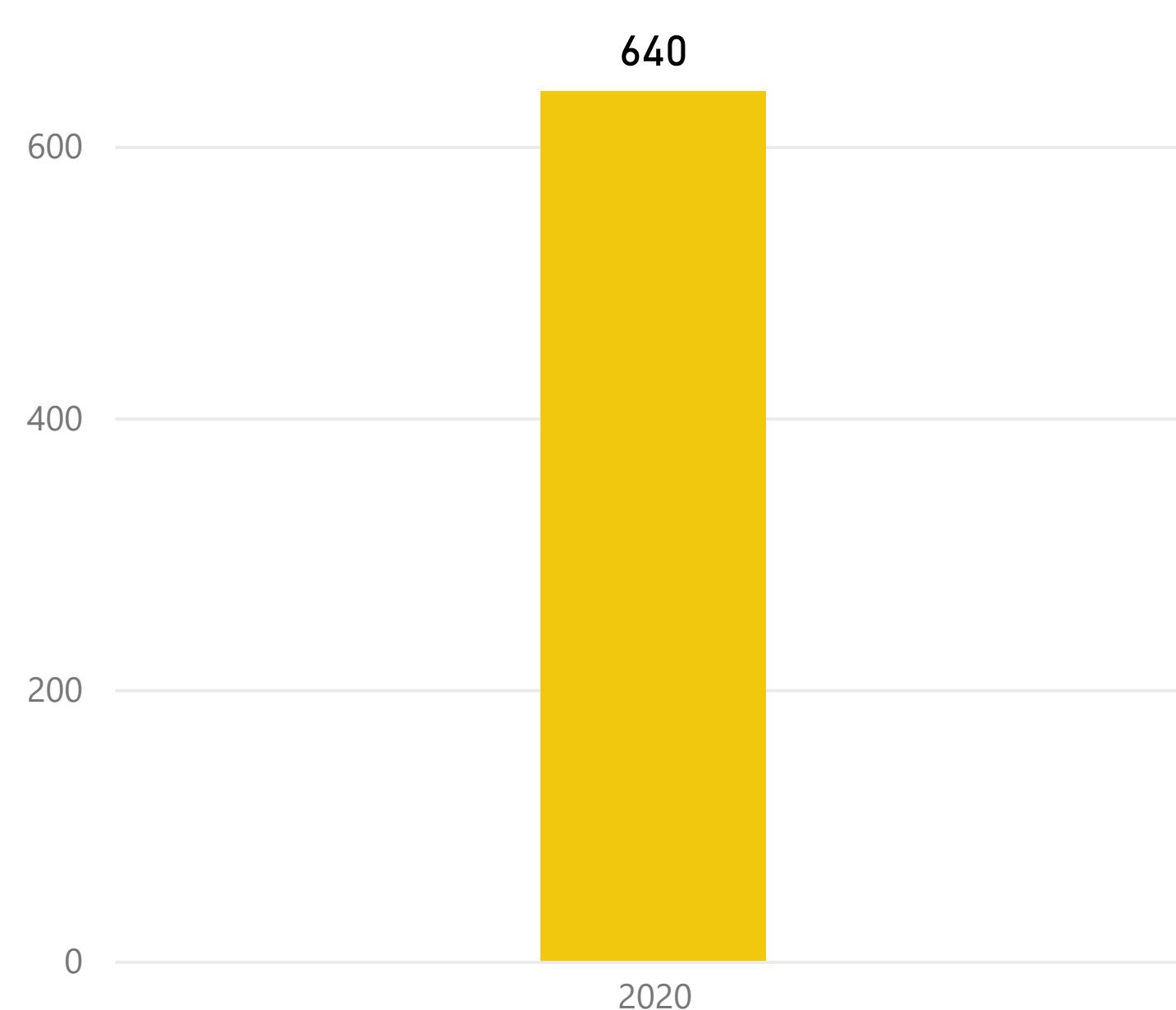
EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



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
- 2020
- 2021

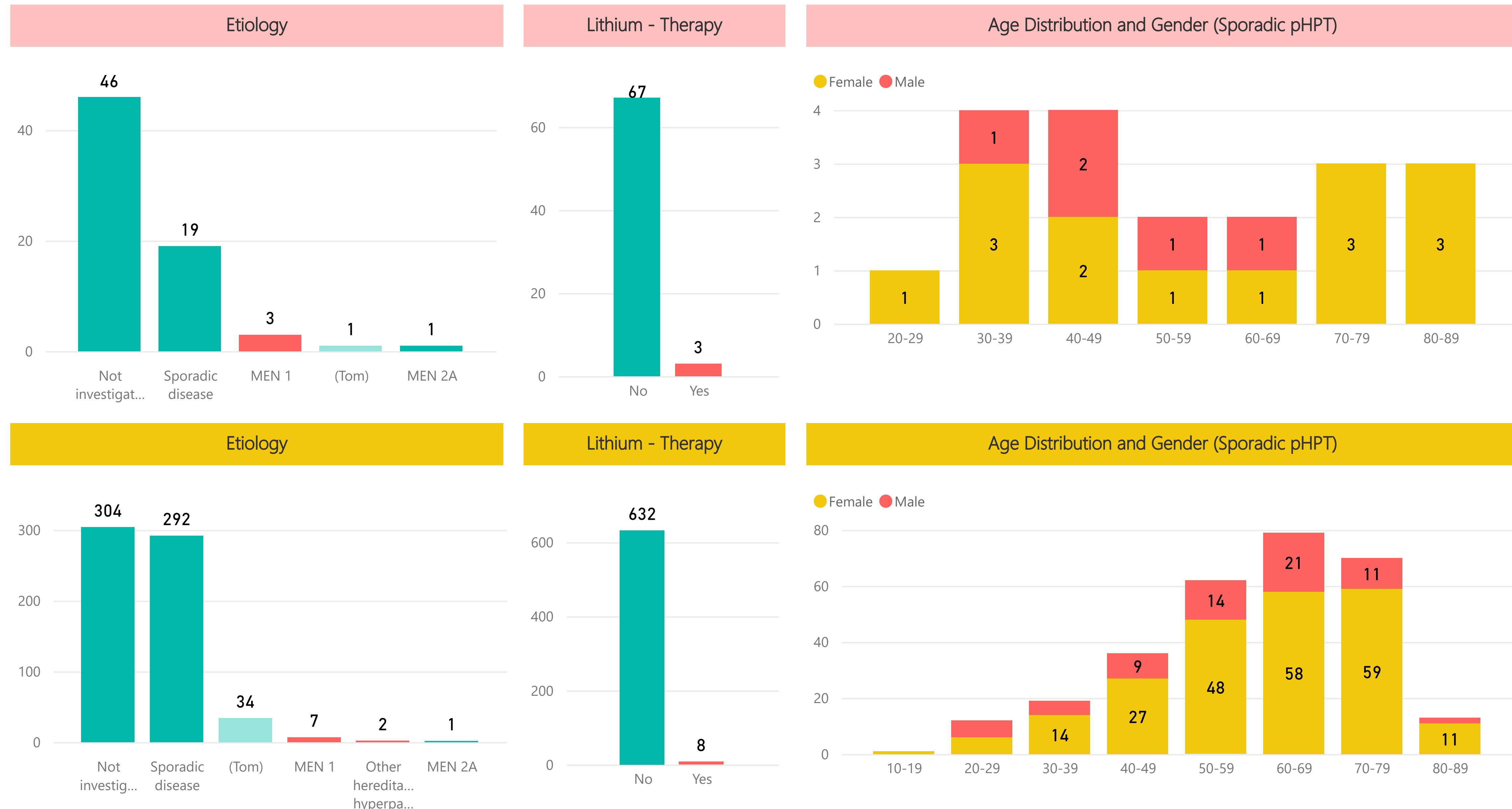
Color Coding in this Report:

Your Clinic

Other EUROCRISE Clinics in Your Country

Parathyroids

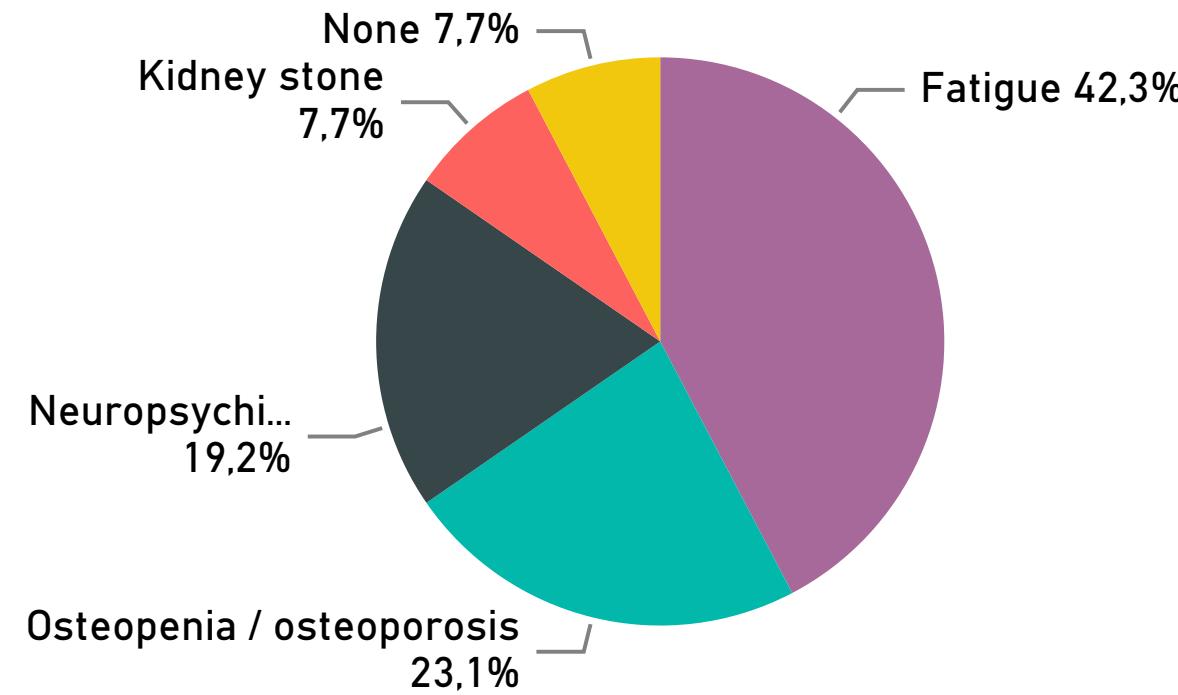
Etiology, Age Distribution



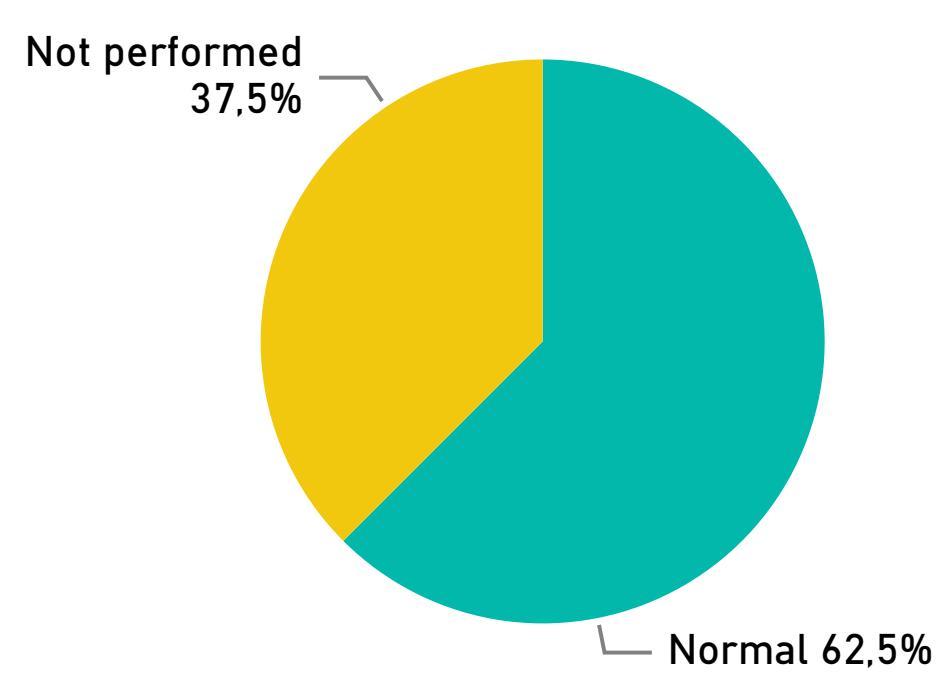
Parathyroids

Symptomatology and Preoperative Workup, Sporadic Disease, Primary Operations

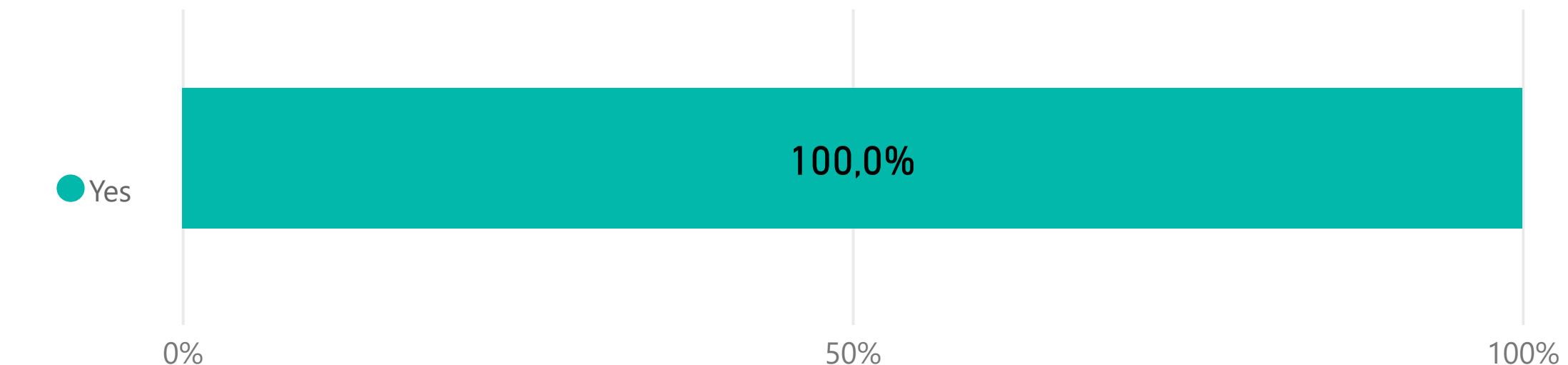
Preoperative Symptomatology



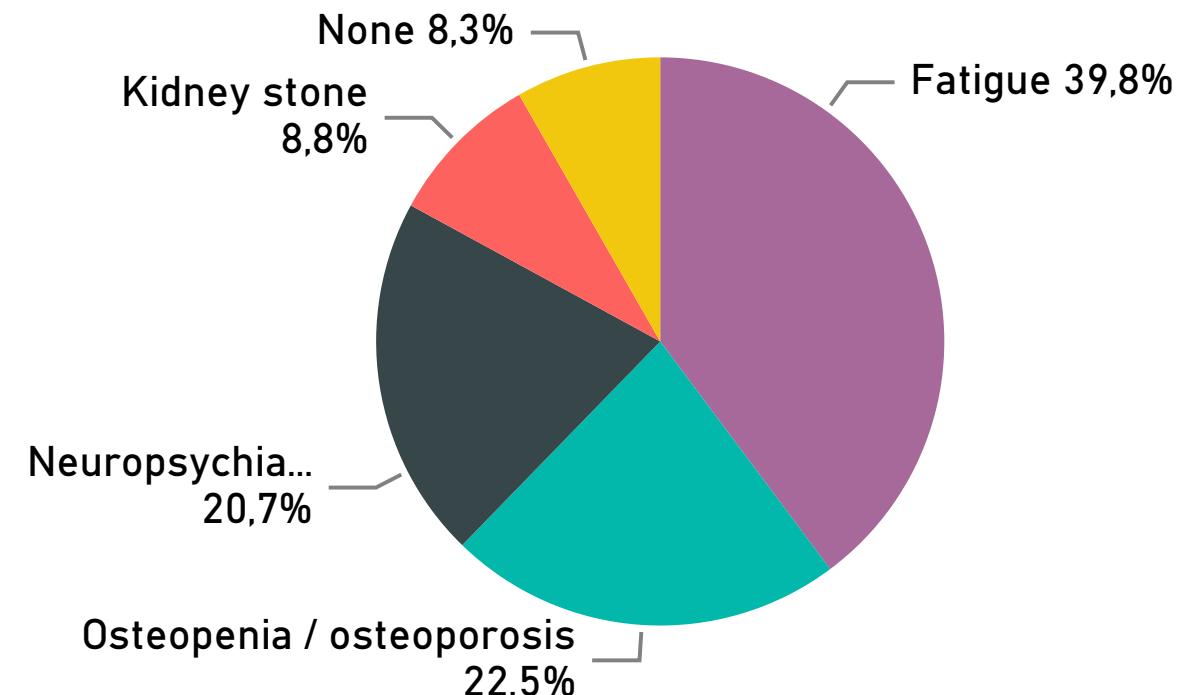
Preoperative Laryngoscopy



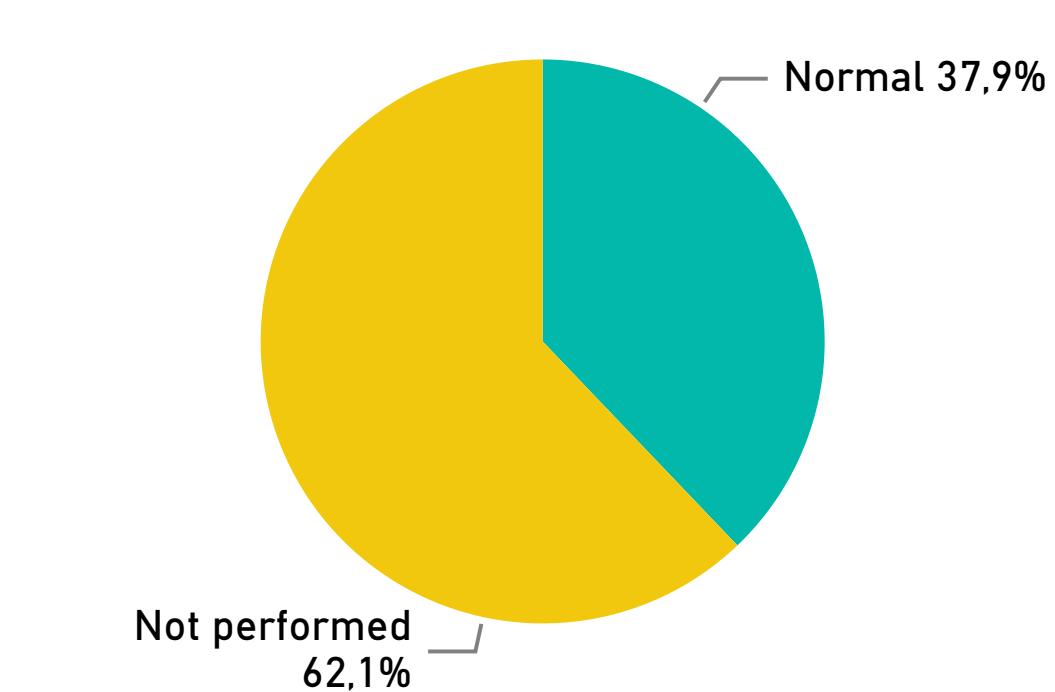
Localisation Examinations Performed



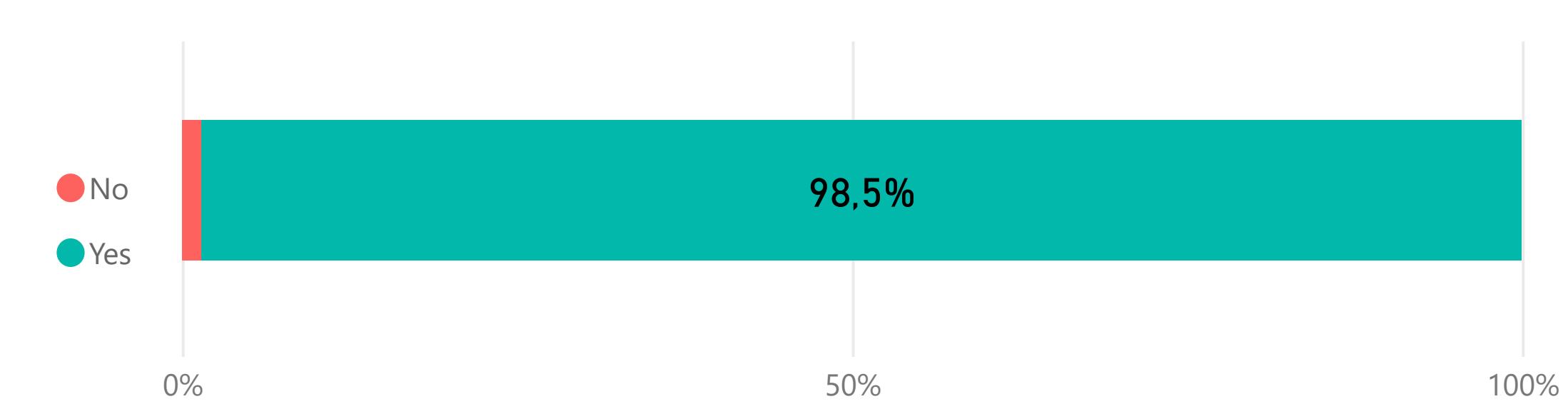
Preoperative Symptomatology



Preoperative Laryngoscopy



Localisation Examinations Performed



Parathyroids

Preoperative Imaging: Ultrasound, Sporadic Disease, Primary Operations

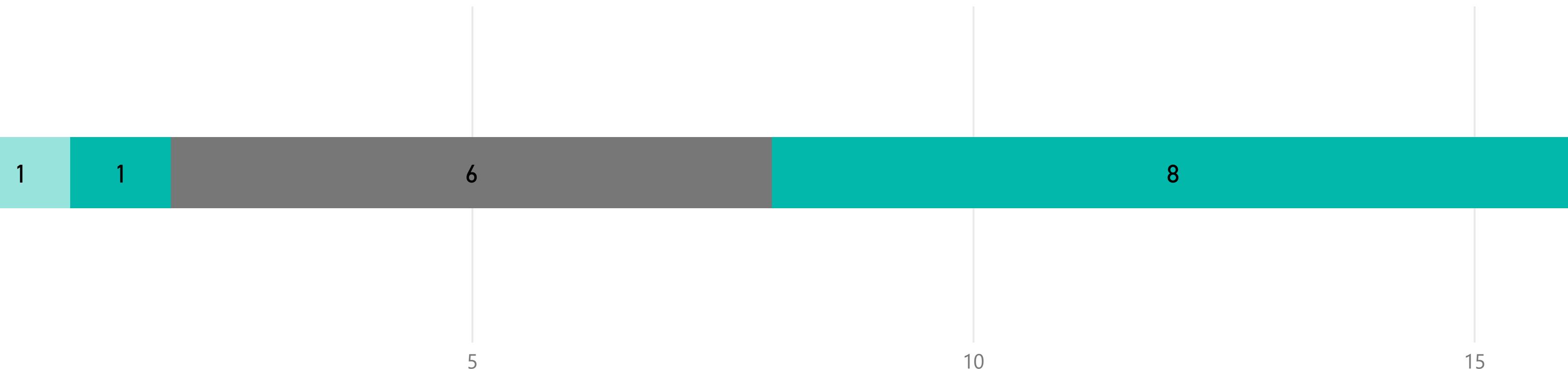
Preoperative Ultrasound in Relation to Intraoperative Finding

(Tom)

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

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 ...

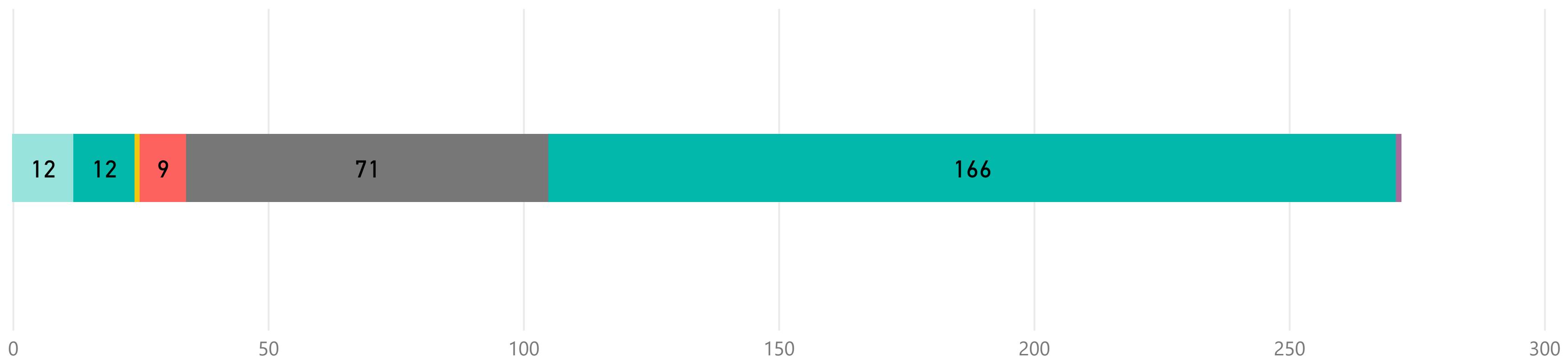
False prediction of multiglandular disease in solitary adenoma

False pre-op localisations of solitary adenoma (FP)

Negative / inconclusive pre-op examination

True pre-op localisation of solitary adenoma (TP)

True pre-op prediction of multiglandular disease



Parathyroids

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

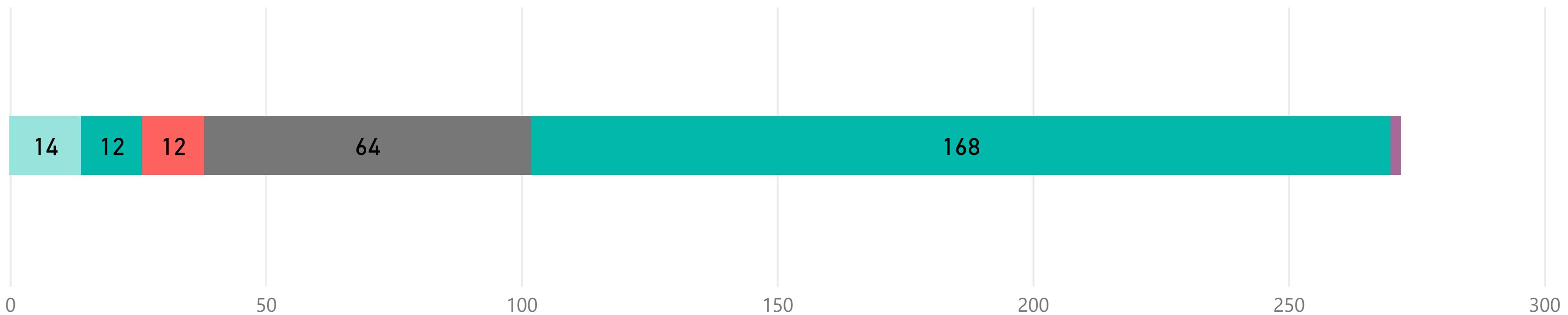
Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

- 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)



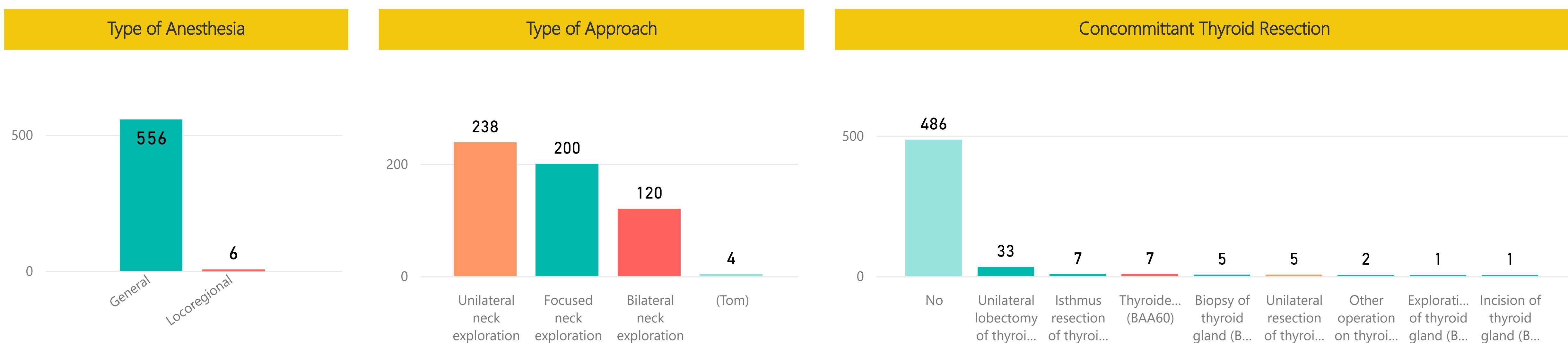
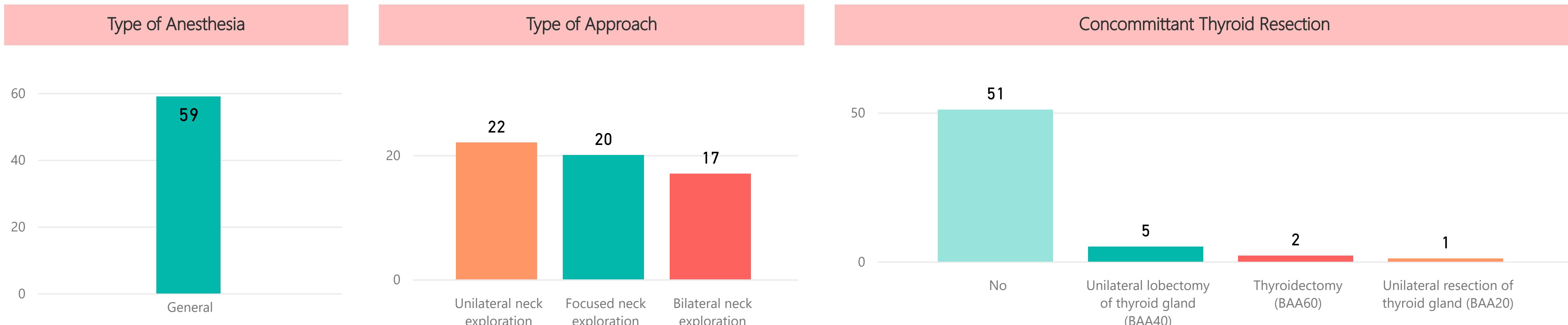
Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

- (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

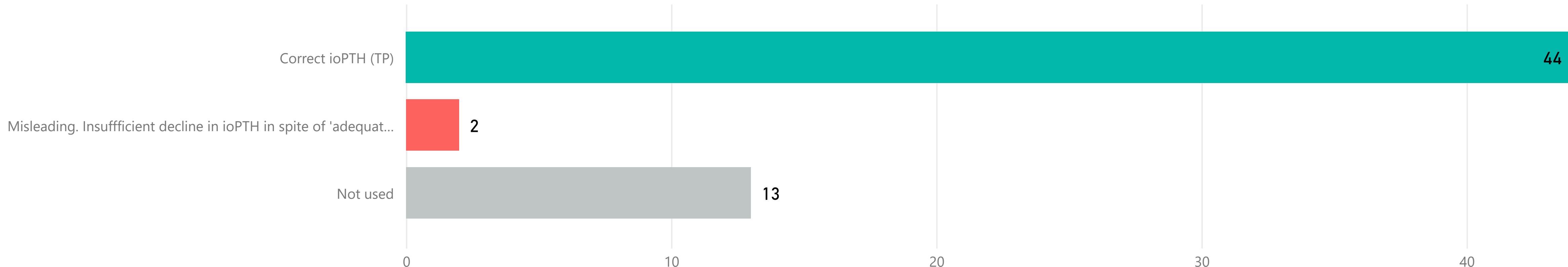
Characteristics of Primary Operations, Sporadic Disease



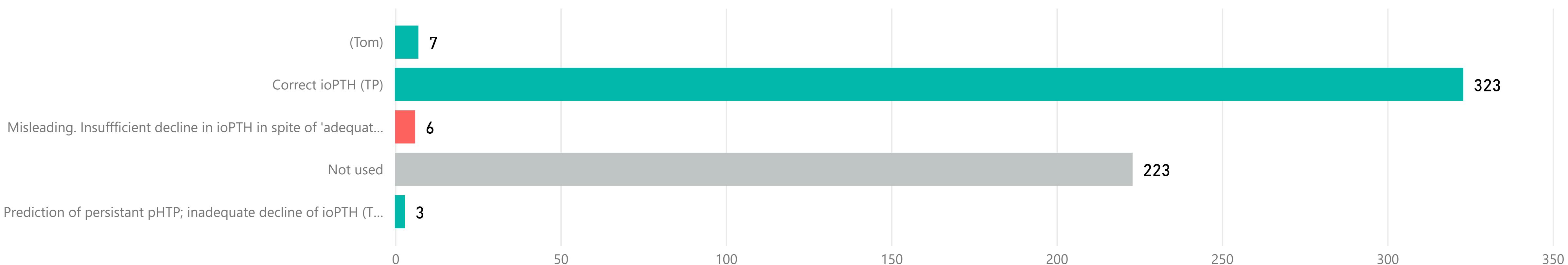
Parathyroids

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

PTH-Monitoring Results



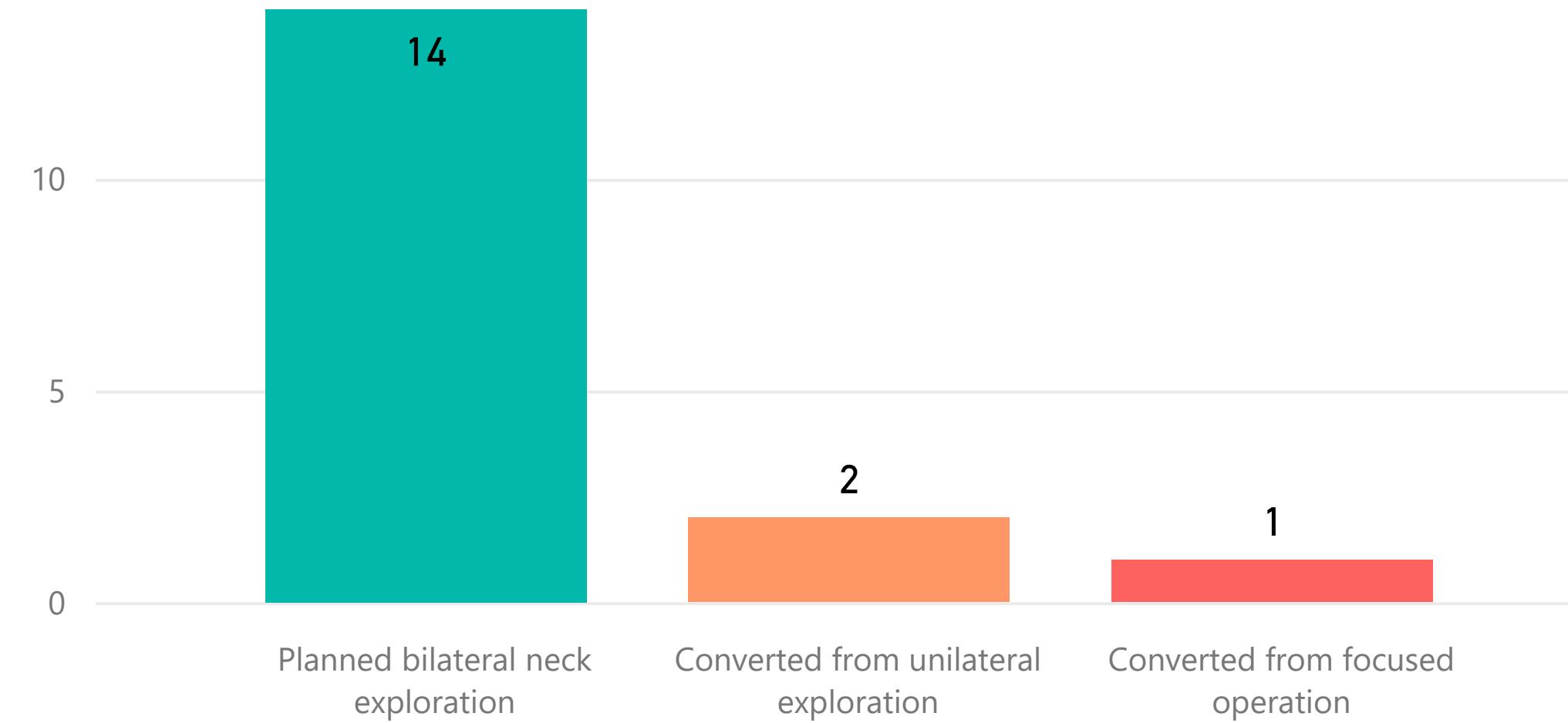
PTH-Monitoring Results



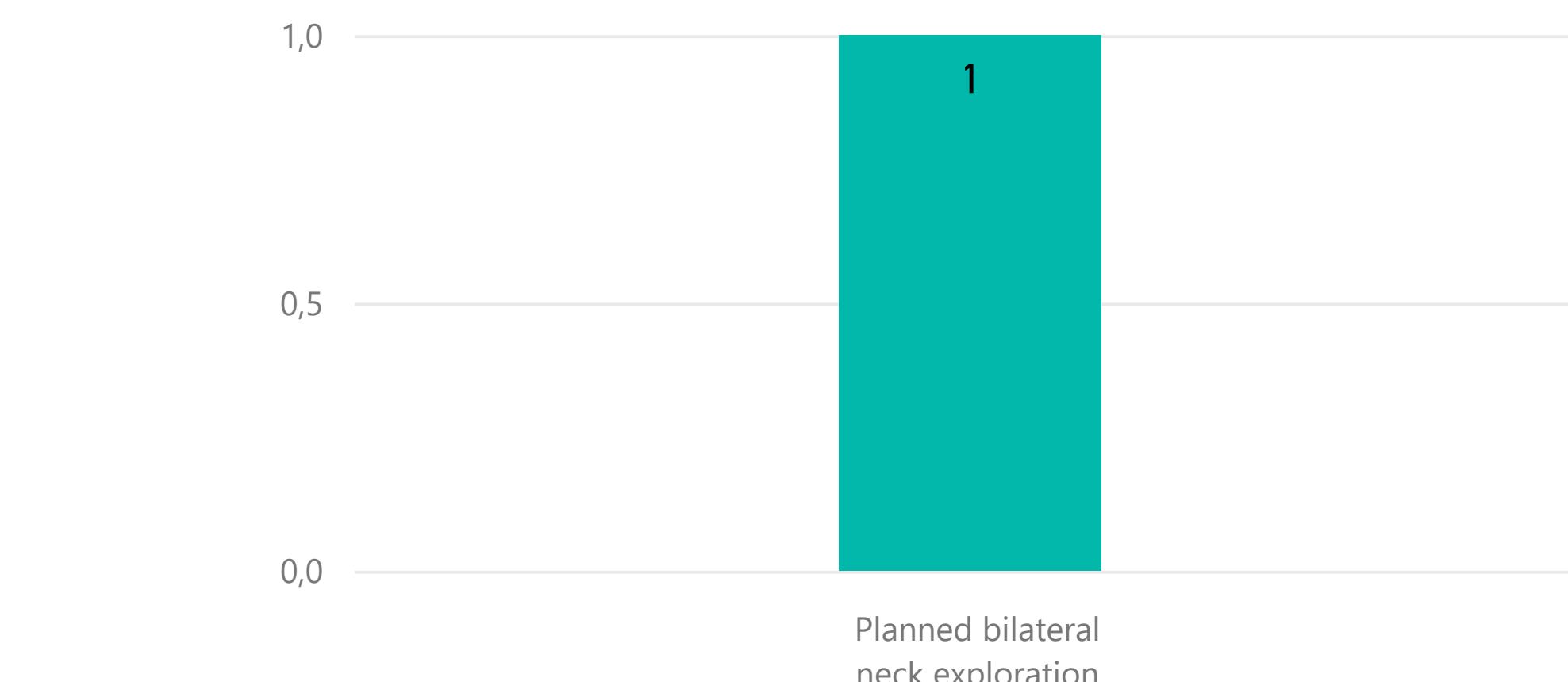
Parathyroids

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

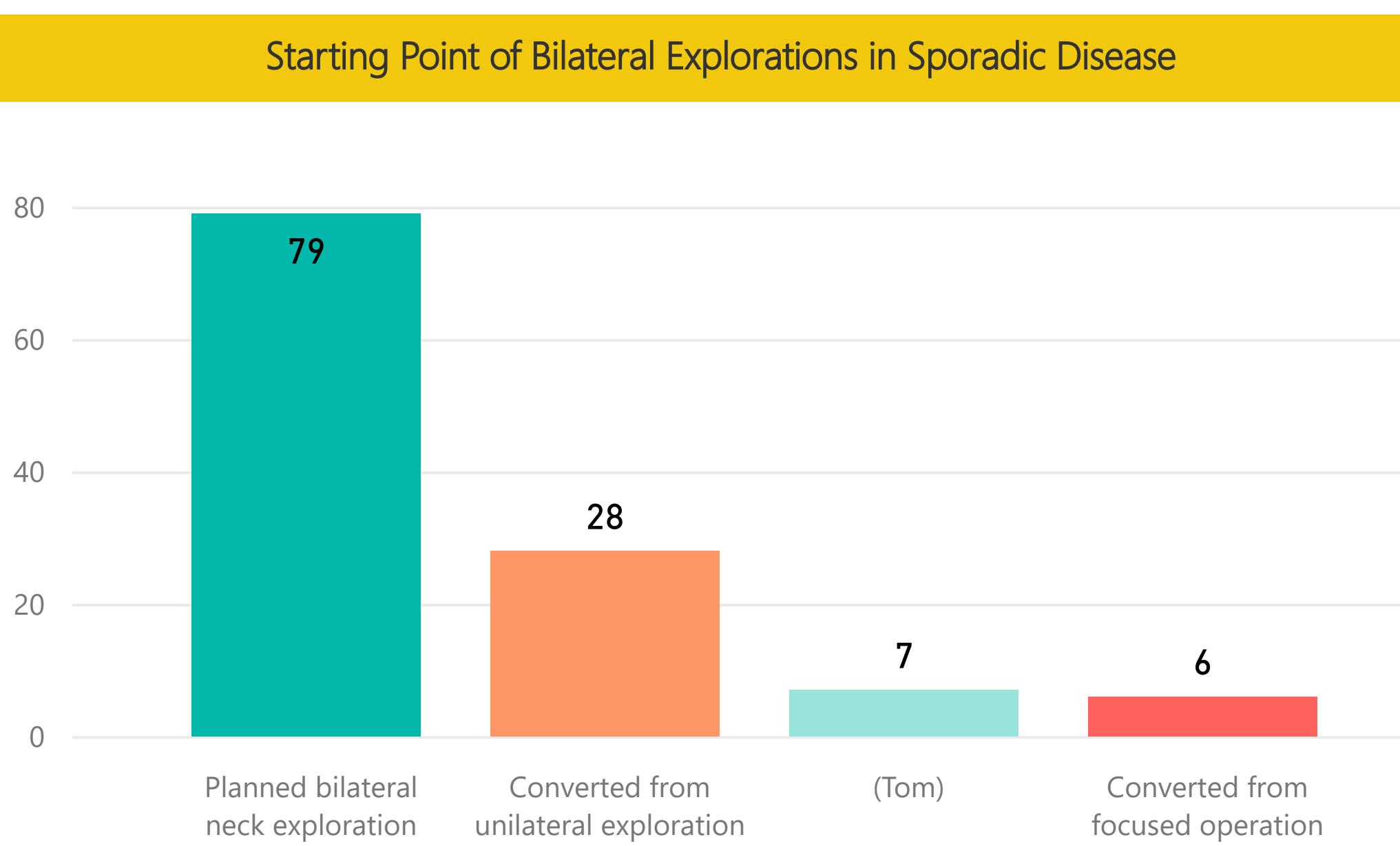
Starting Point of Bilateral Explorations in Sporadic Disease



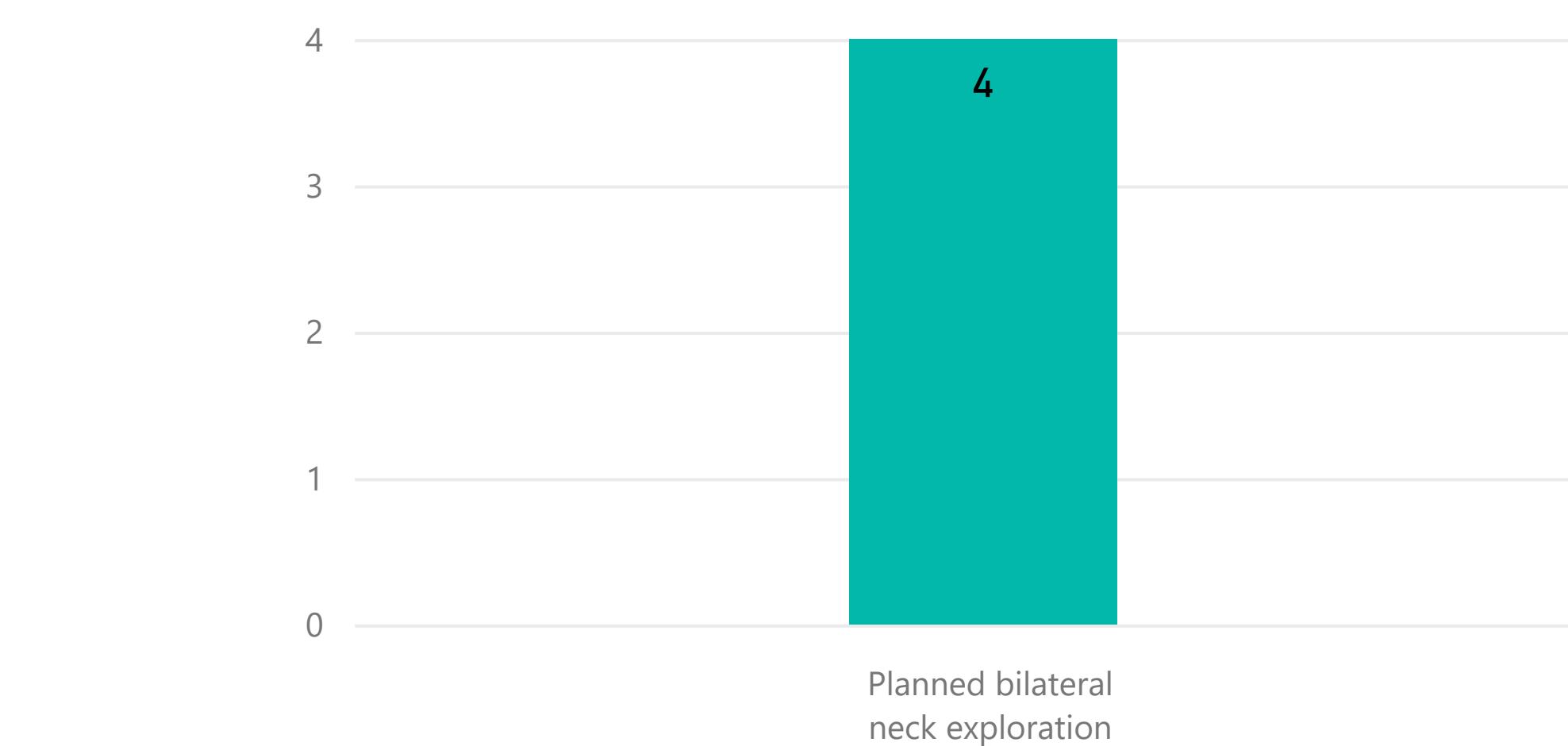
Starting Point of Bilateral Explorations in Hereditary Disease



Starting Point of Bilateral Explorations in Sporadic Disease

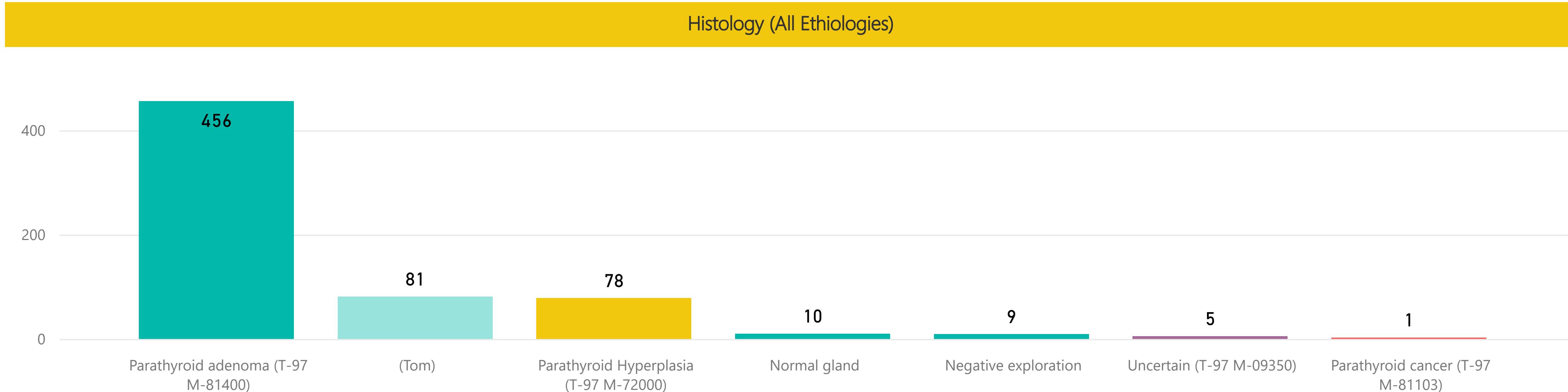
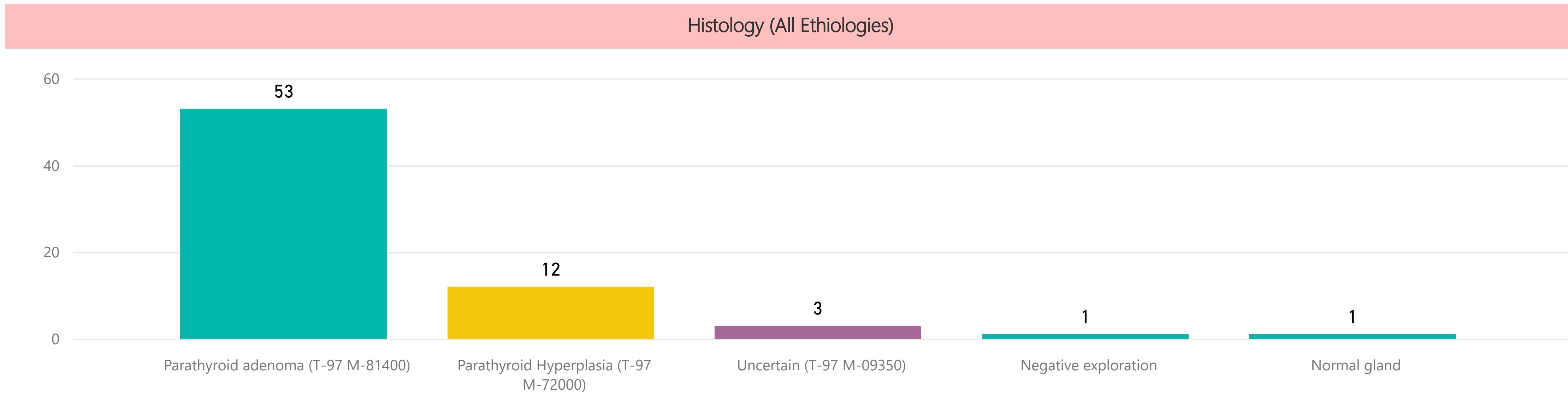


Starting Point of Bilateral Explorations in Hereditary Disease



Parathyroids

Histopathology Results

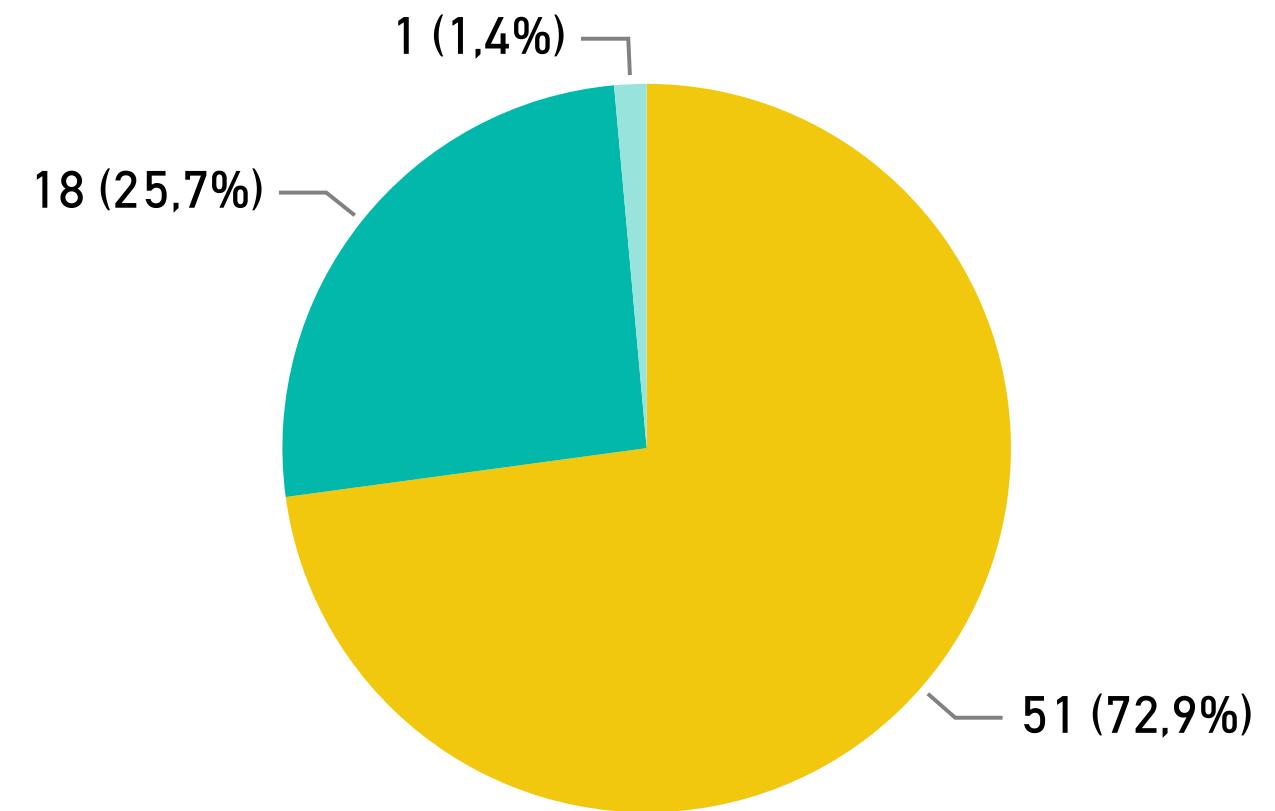


Parathyroids

Postoperative Laryngoscopy

Postoperative Laryngoscopy

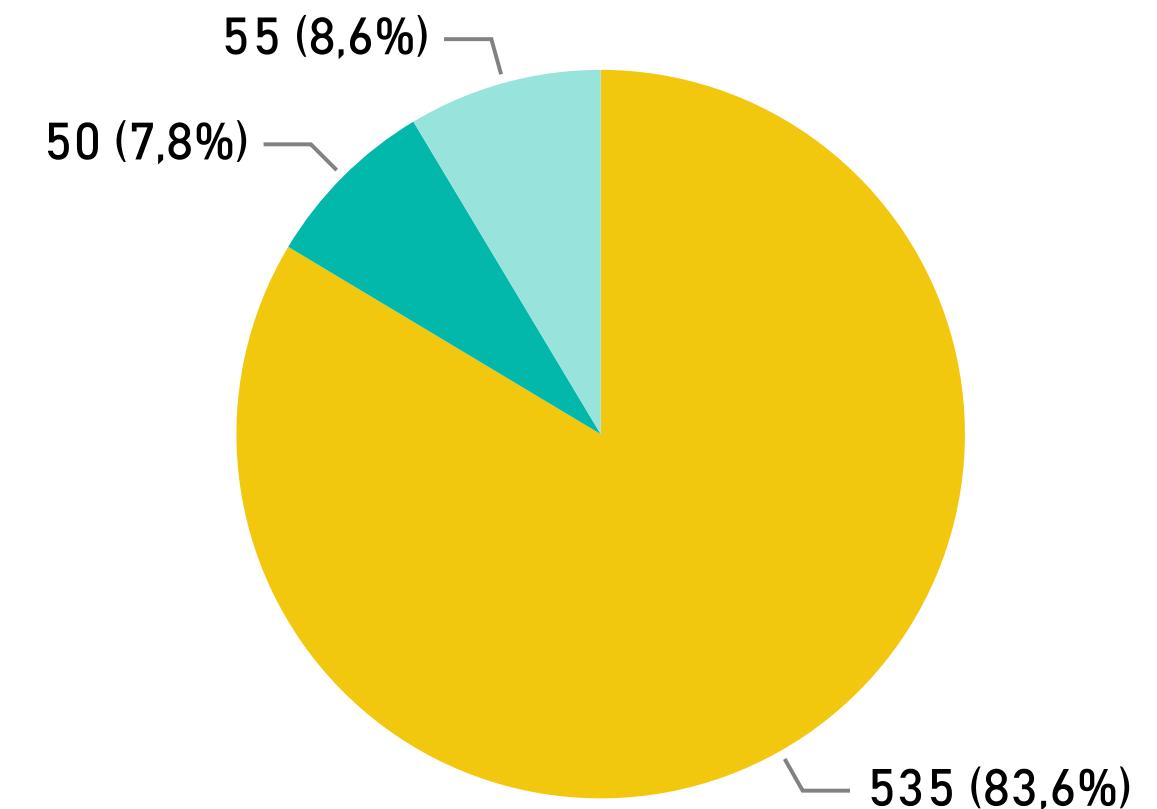
- Not performed
- Normal
- (Tom)



Postoperative Laryngoscopy	n	%
(Tom)	1	1,43%
Normal	18	25,71%
Not performed	51	72,86%
Totalt	70	100,00%

Postoperative Laryngoscopy

- Not performed
- Normal
- (Tom)



Postoperative Laryngoscopy	n	%
(Tom)	55	8,59%
Normal	50	7,81%
Not performed	535	83,59%
Totalt	640	100,00%

Parathyroids

Laryngoscopy at Follow-up (F2)

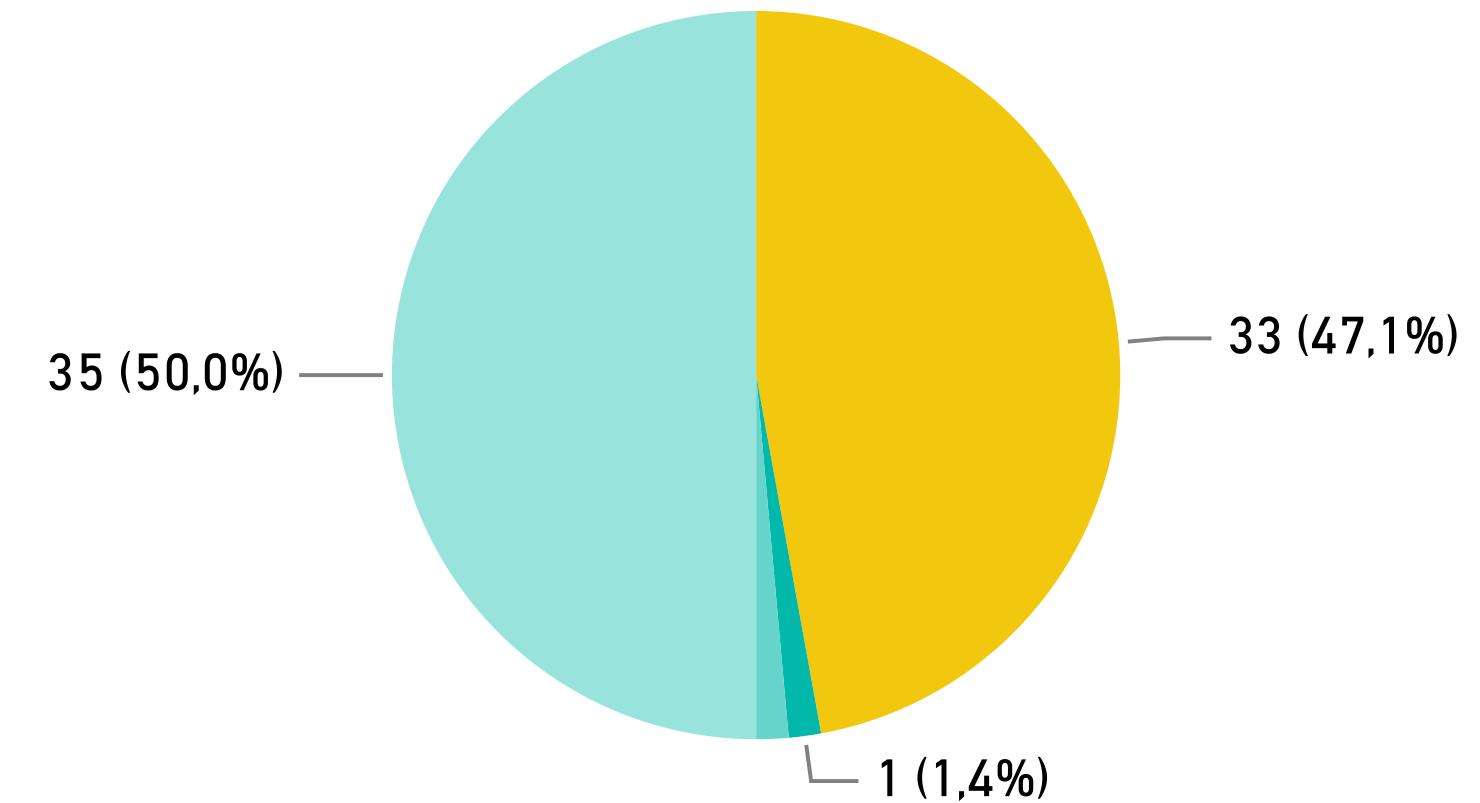
Laryngoscopy at Longterm Follow-up (F2)

● Not performed

● Normal

● No data available

● (Tom)



Laryngoscopy at Follow-up

	n	%
Not performed	33	47,14%
Normal	1	1,43%
No data available	1	1,43%
Totalt	70	100,00%

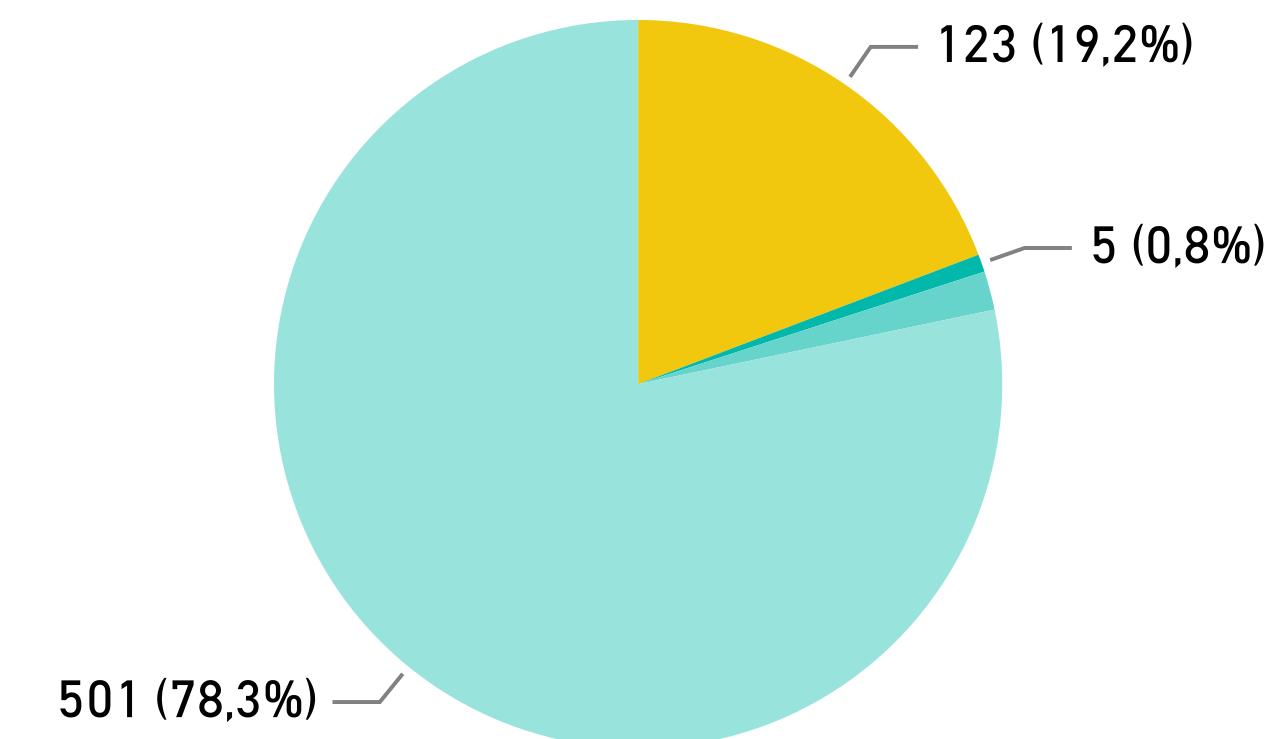
Laryngoscopy at Longterm Follow-up (F2)

● Not performed

● Normal

● No data available

● (Tom)

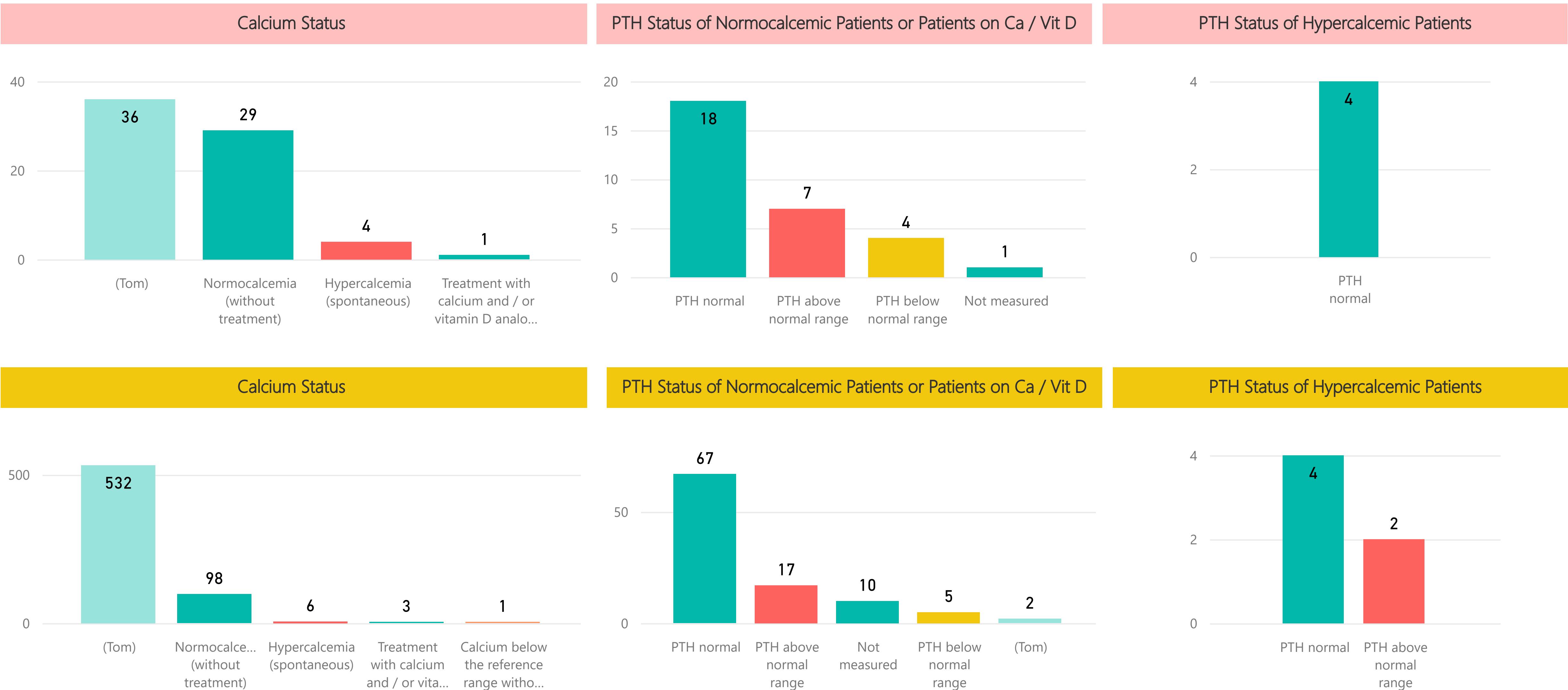


Laryngoscopy at Follow-up

	n	%
Not performed	123	19,22%
Normal	5	0,78%
No data available	11	1,72%
Totalt	640	100,00%

Parathyroids

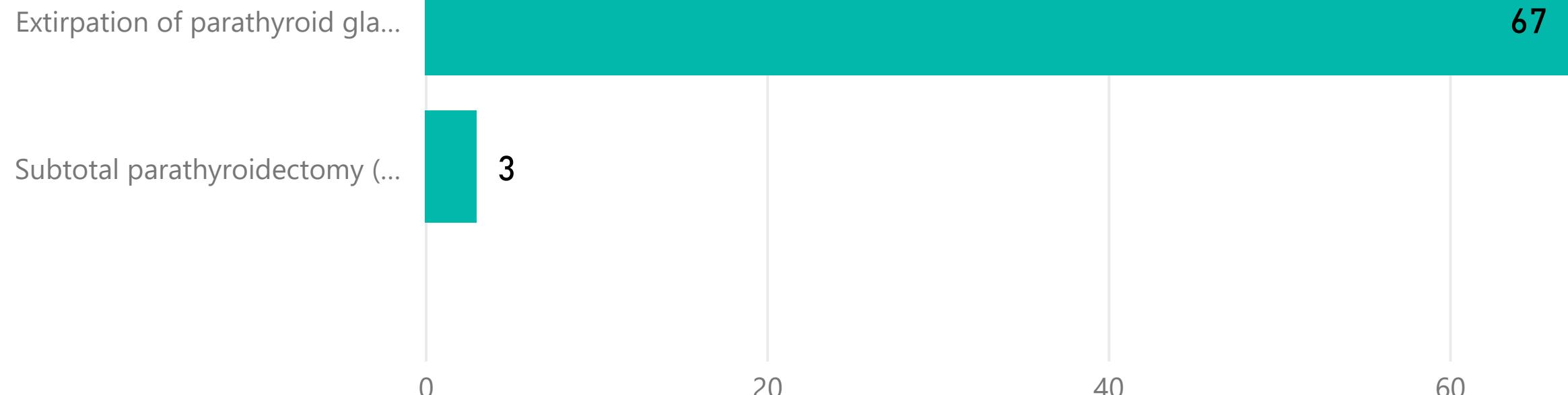
Follow-up Data



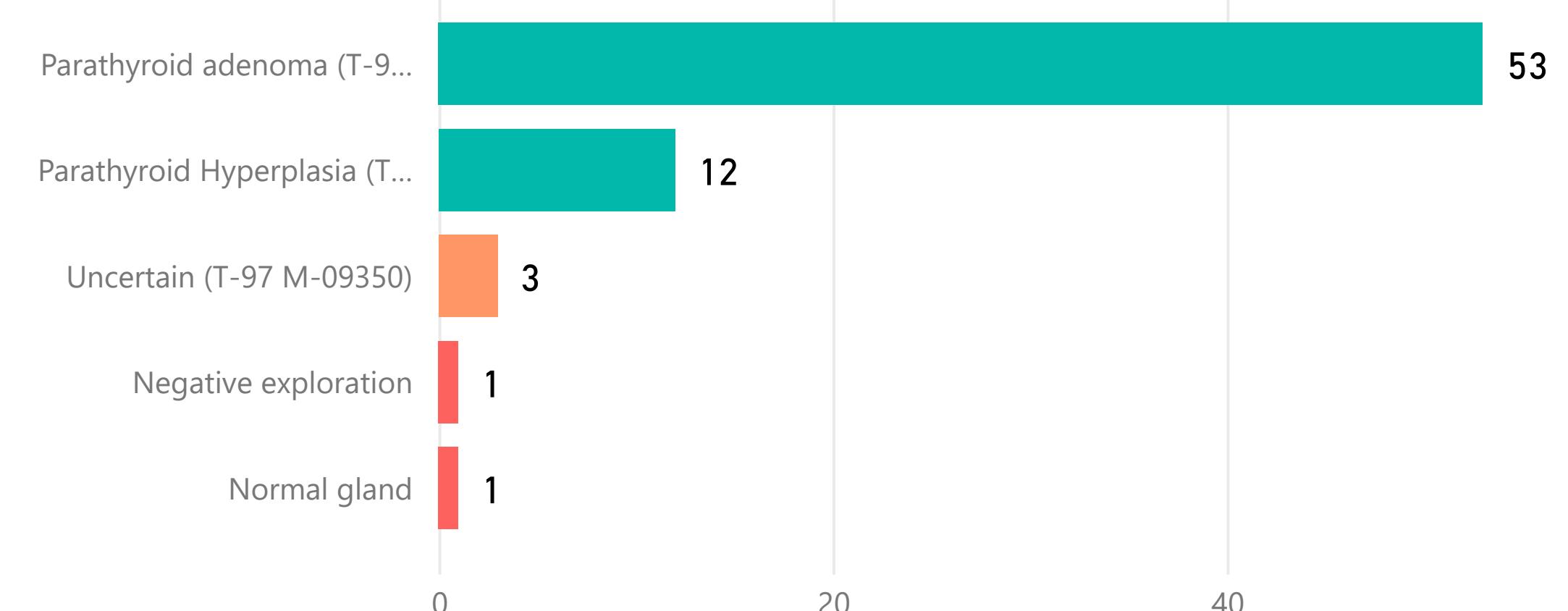
Parathyroids

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

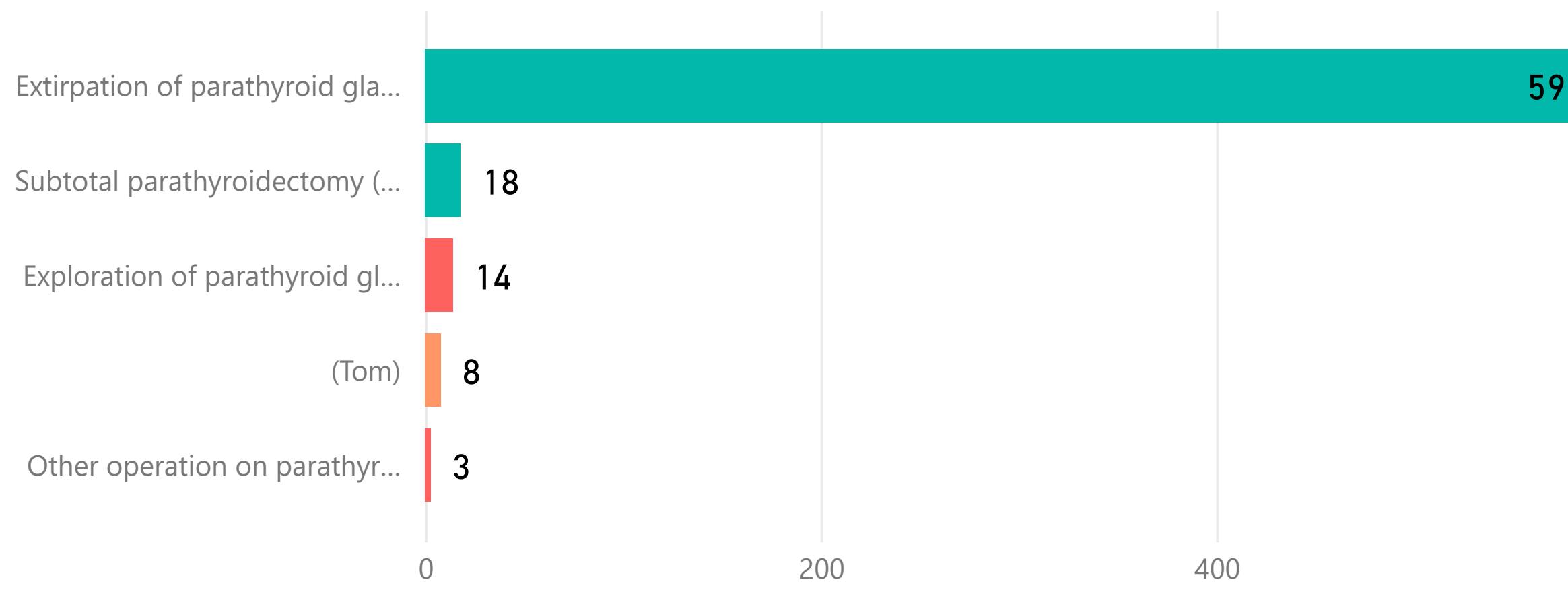
based on Selected Type of Operation



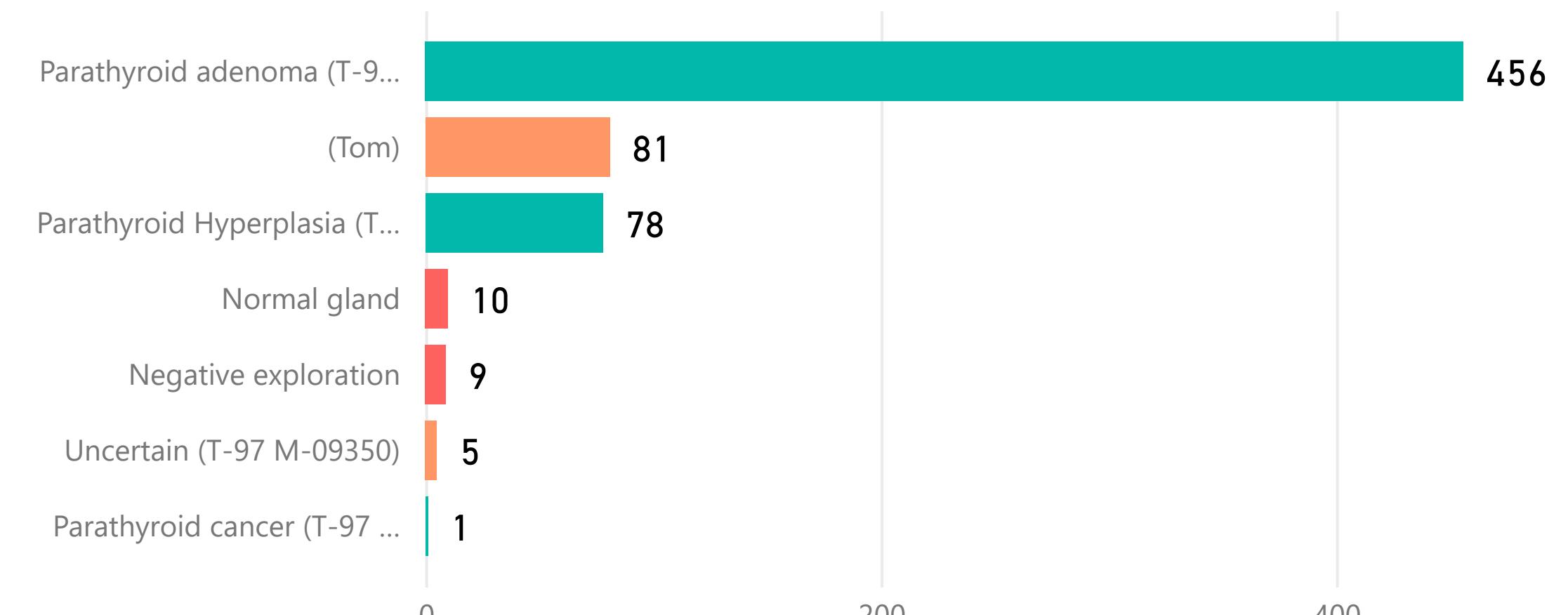
based on Selected Histological Main Diagnosis



based on Selected Type of Operation



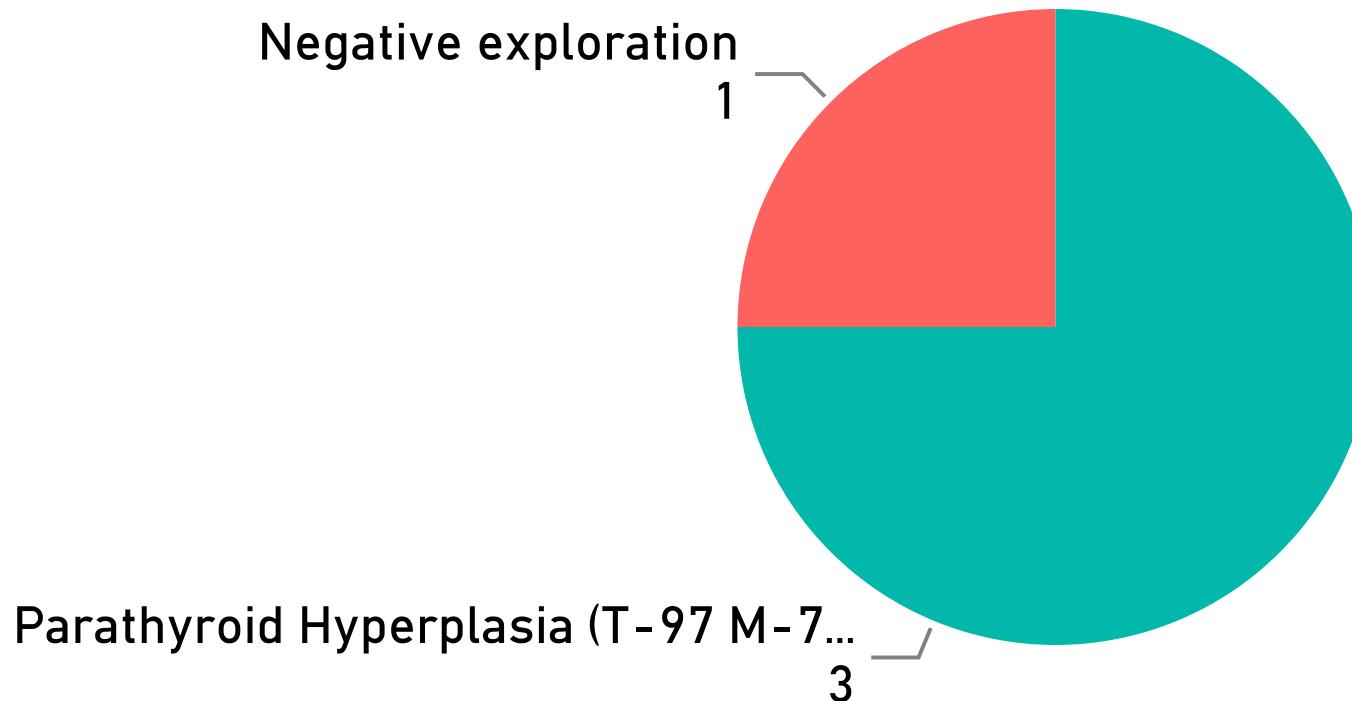
based on Selected Histological Main Diagnosis



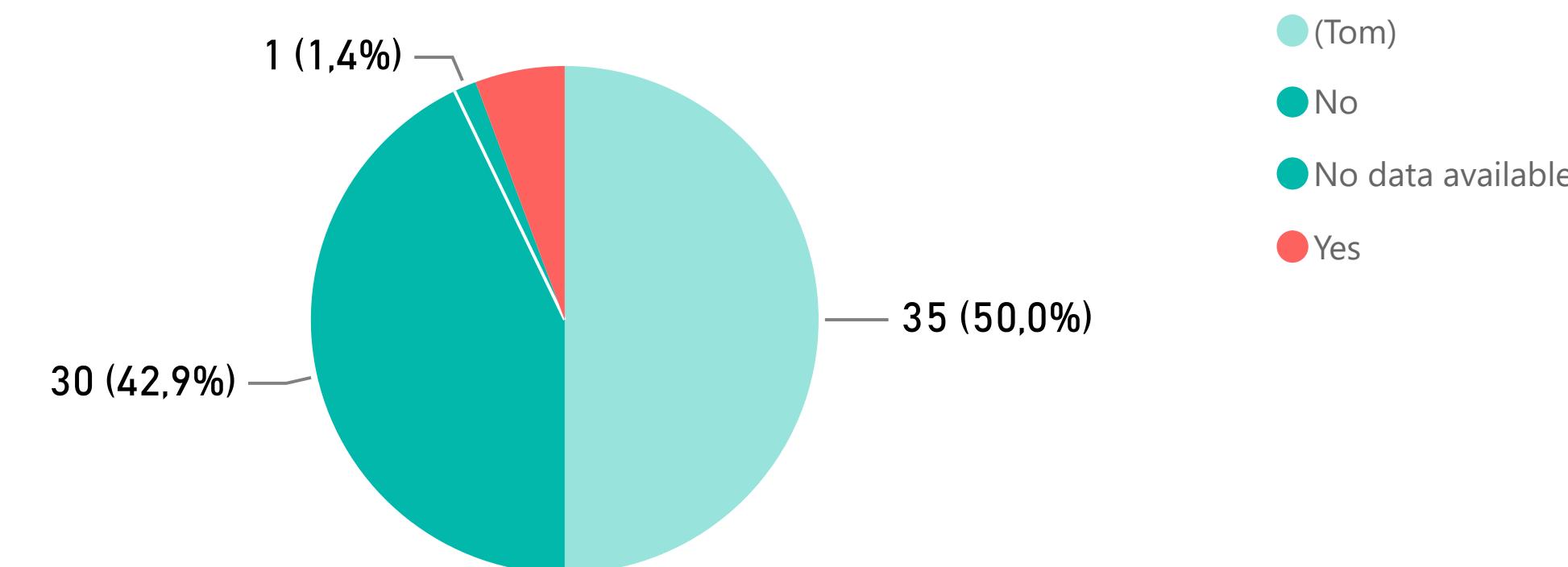
Parathyroids

Persistences and Re-Operations

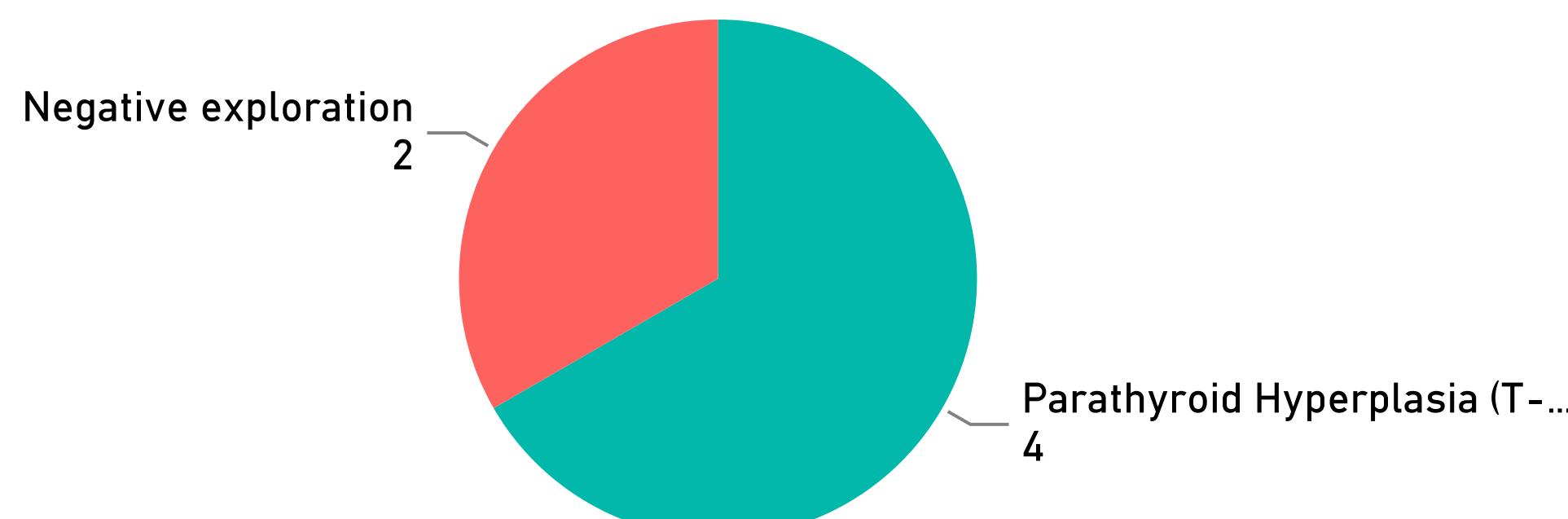
Histological Main Diagnosis in Patients with Persistent Hypercalcemia at Follow-up



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

