

EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Investigated Clinic

- Carlanderska Endokrinkirurgi
- 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 Endokrinkirurgi
- Gastro Center Skåne
- Kirurgiska kliniken, Borås
- Kirurgiska kliniken, Eksjö
- Kirurgiska kliniken, Falun
- Kirurgiska kliniken, Gävle
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- Kirurgiska kliniken, Lund
- Kirurgiska kliniken, Norrköping

Investigated Year

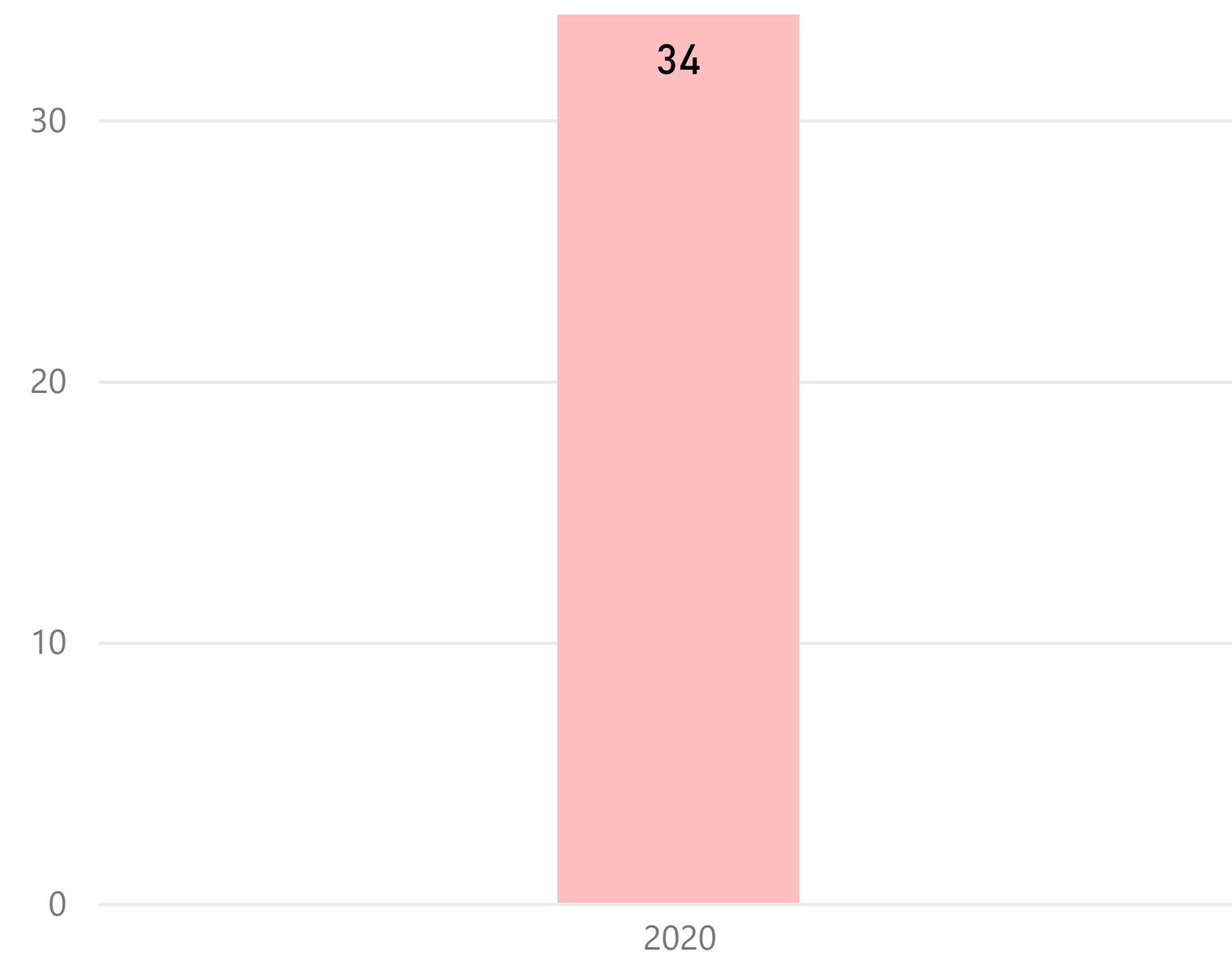
- Markera alla
- 2012
- 2013
- 2014
- 2015
- 2016
- 2017
- 2018
- 2019
- 2020
- 2021

Report compiled by Anders Bergenfelz, Thomas Clerici and Thomas Musholt

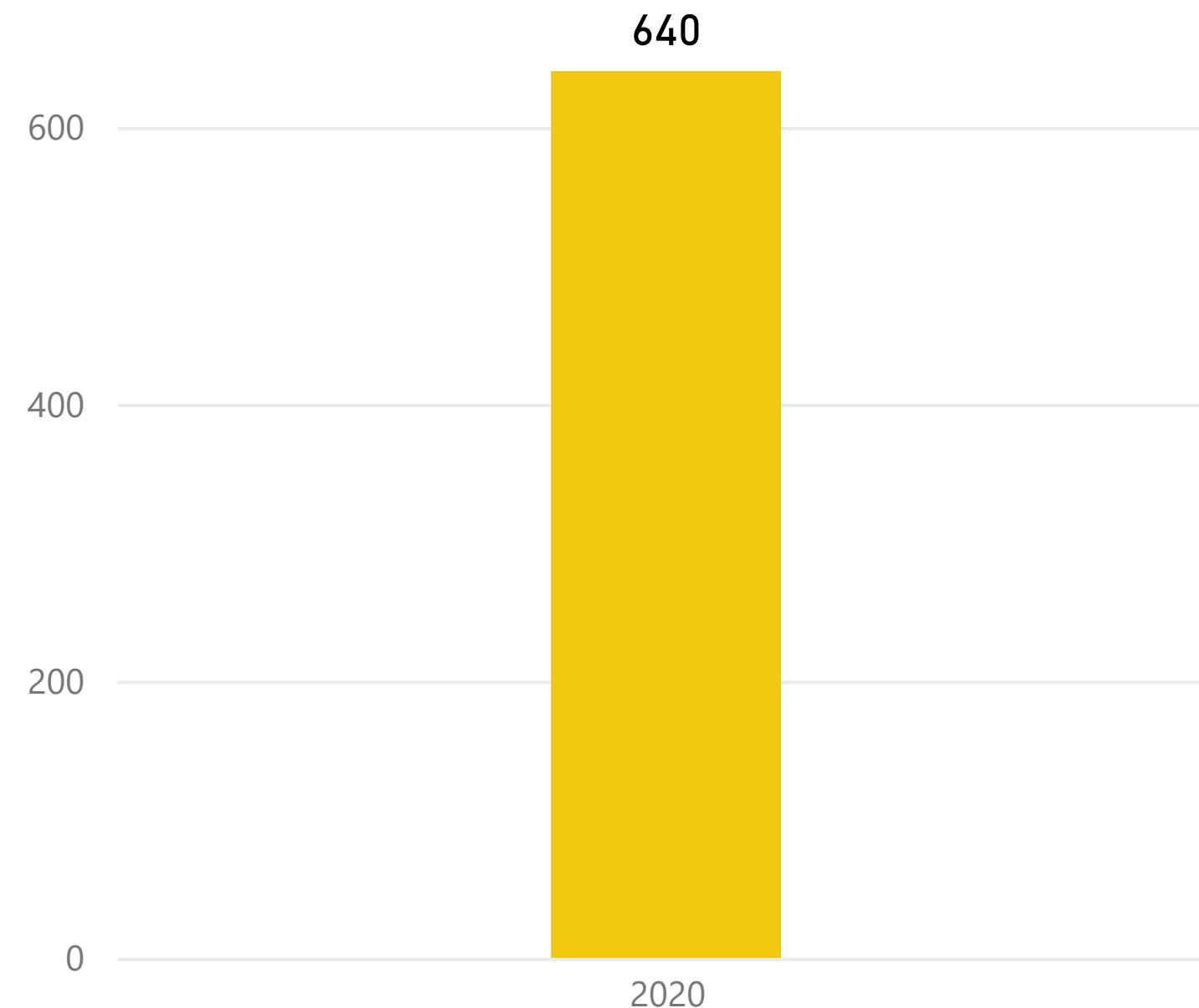
EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



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

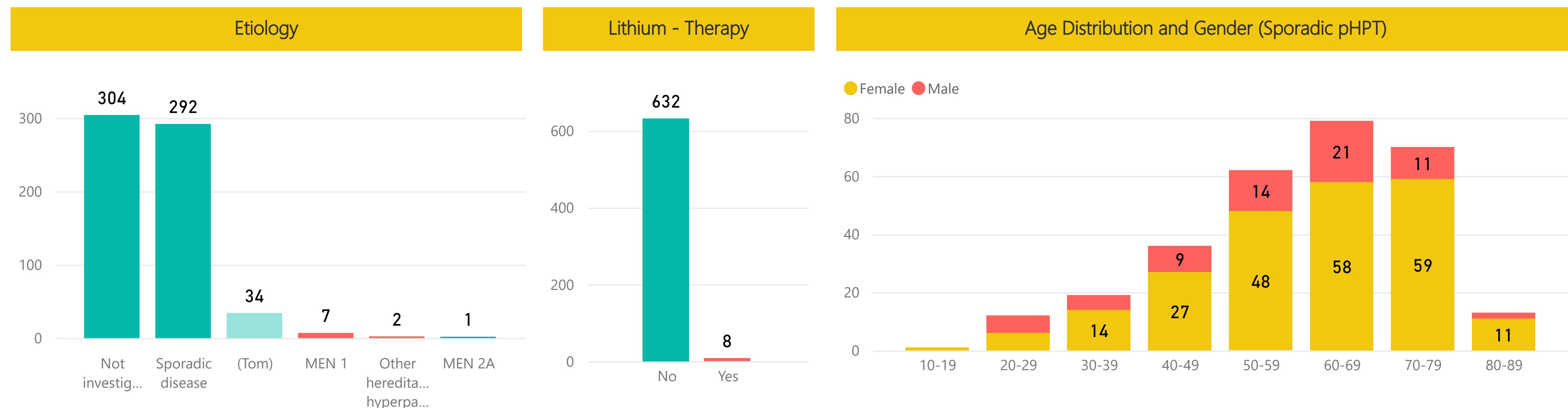
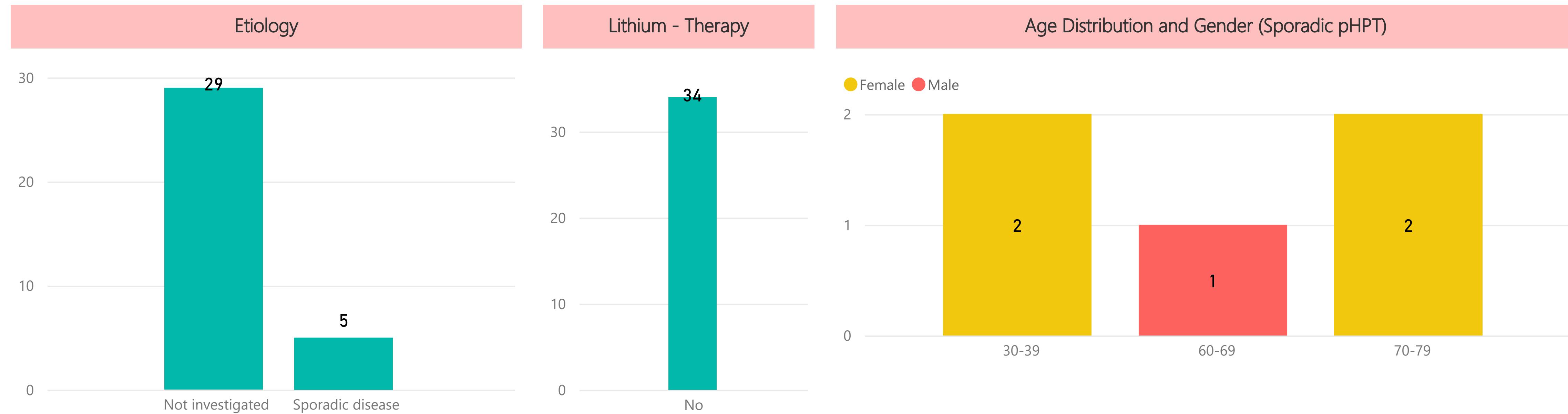
Color Coding in this Report:

Your Clinic

Other EUROCRISE Clinics in Your Country

Parathyroids

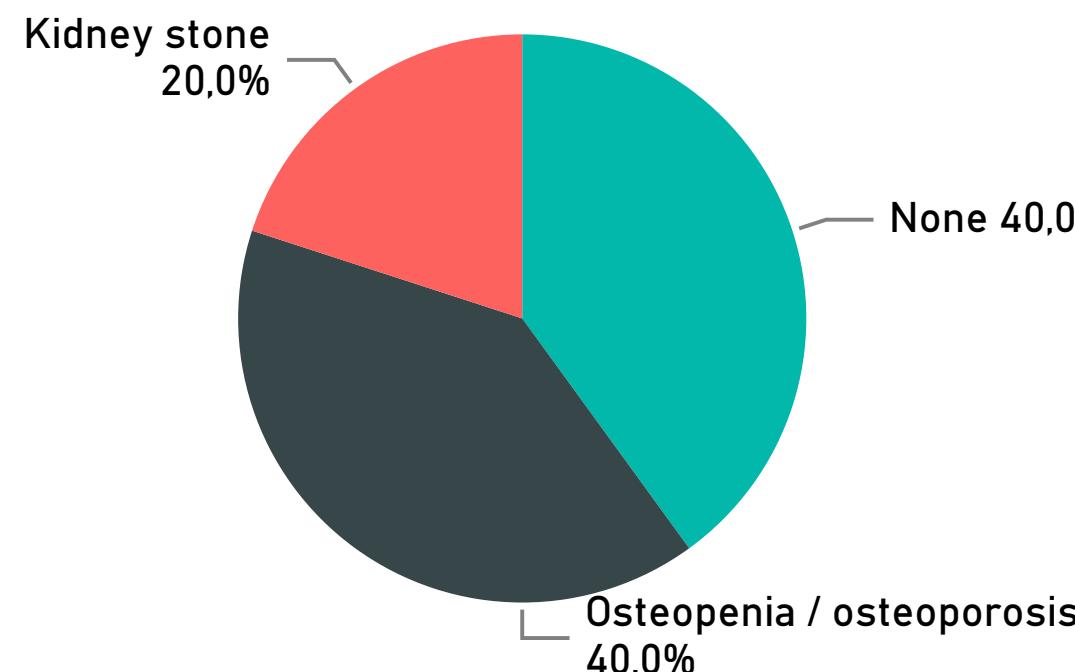
Etiology, Age Distribution



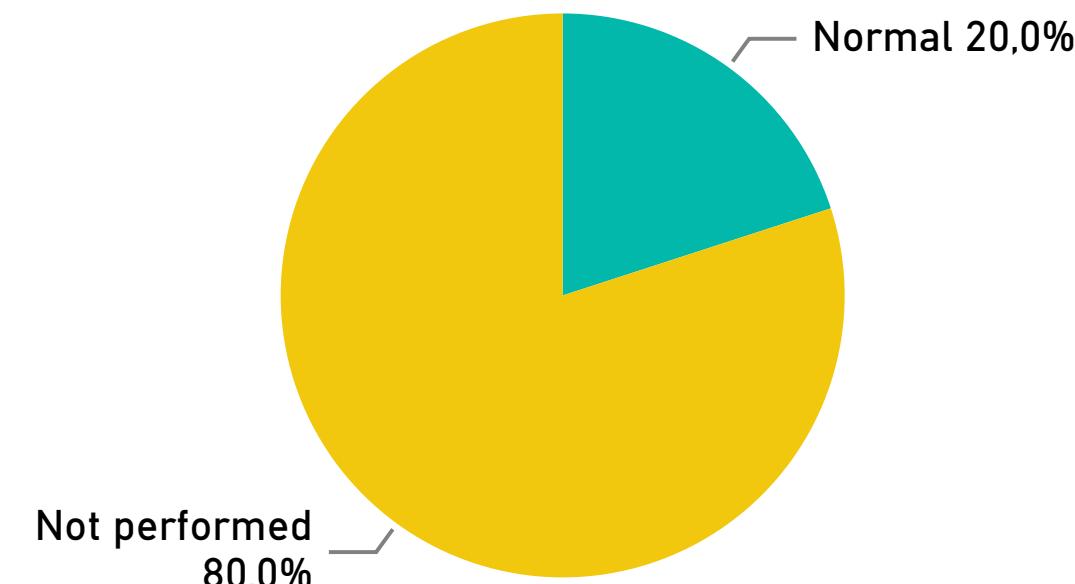
Parathyroids

Symptomatology and Preoperative Workup, Sporadic Disease, Primary Operations

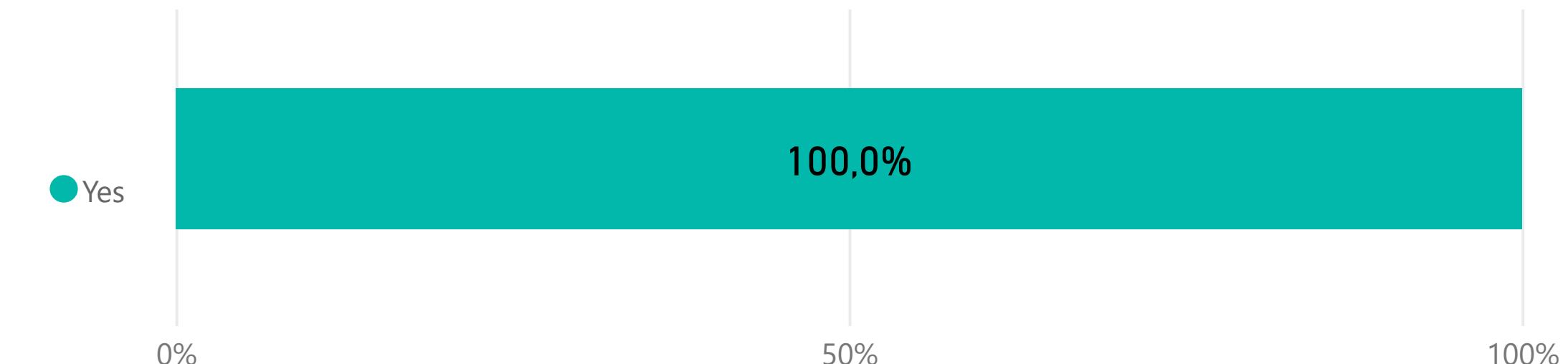
Preoperative Symptomatology



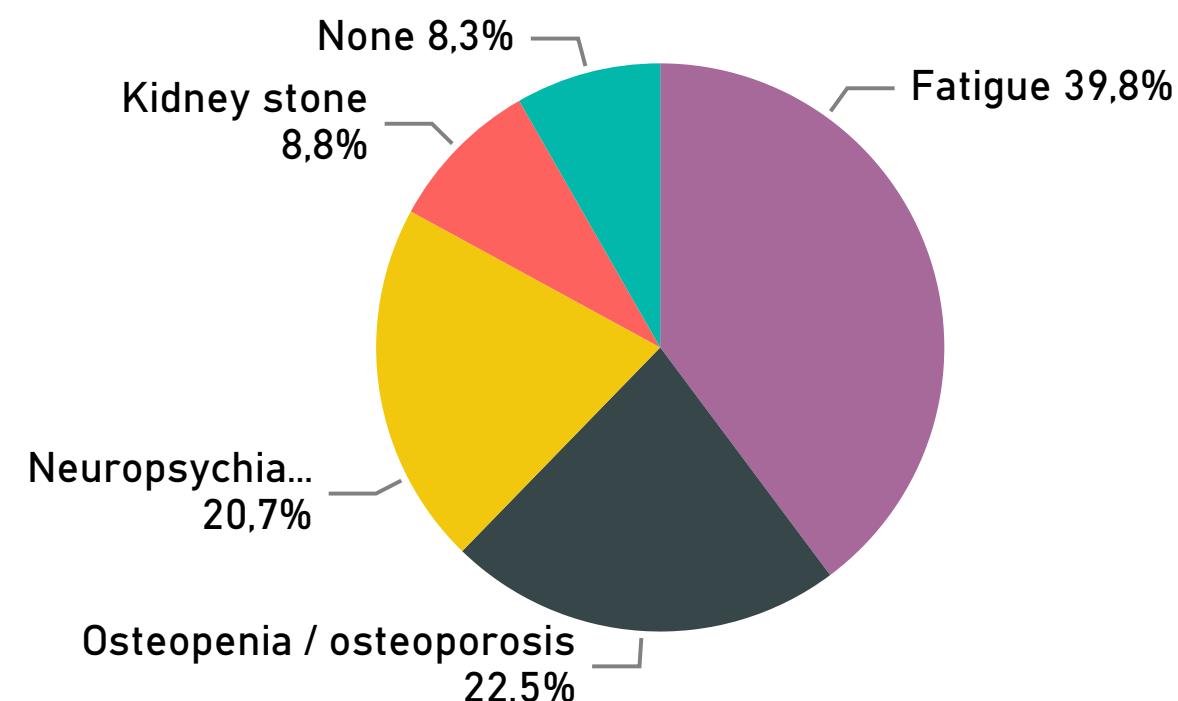
Preoperative Laryngoscopy



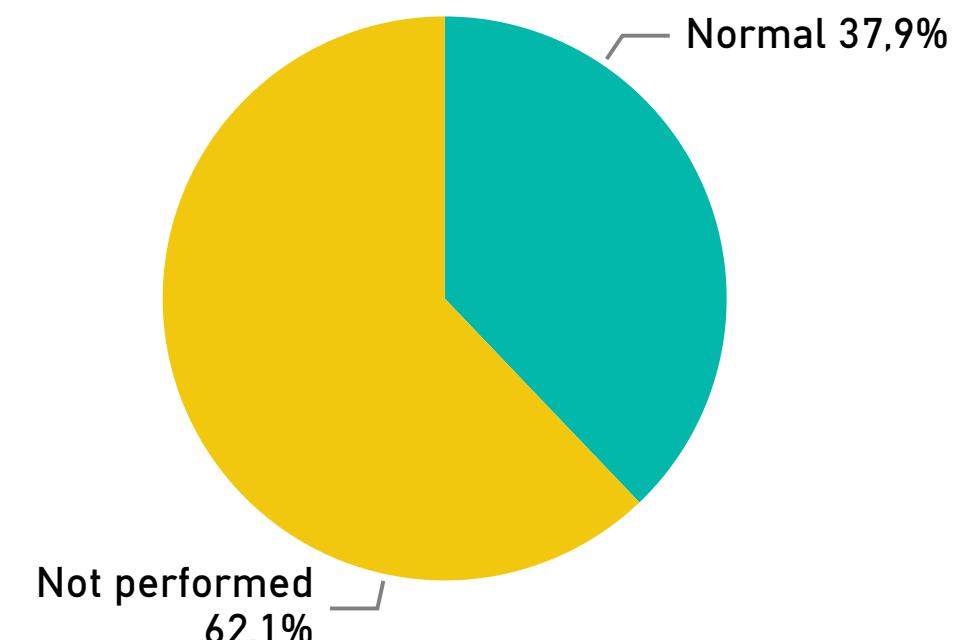
Localisation Examinations Performed



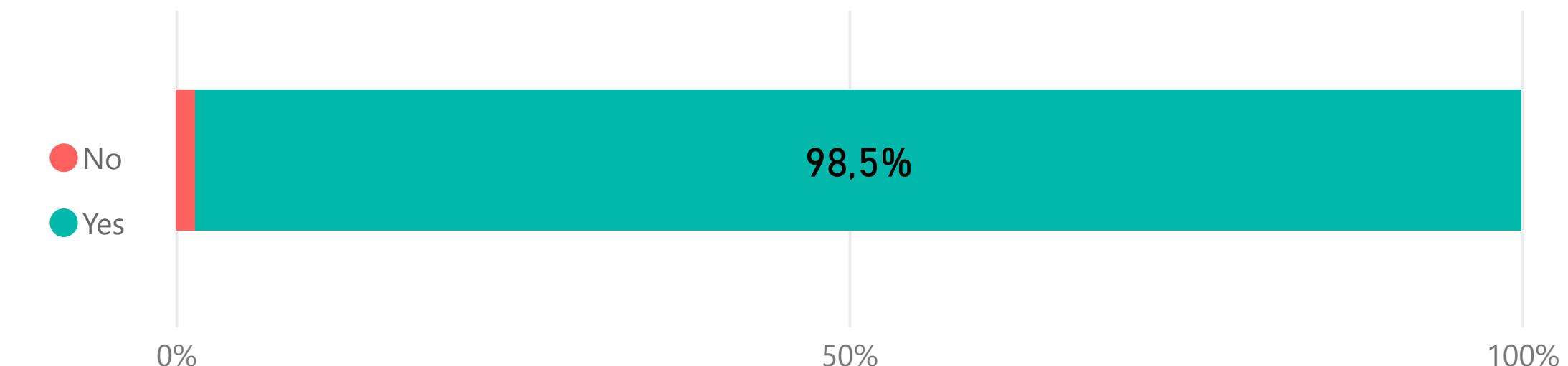
Preoperative Symptomatology



Preoperative Laryngoscopy



Localisation Examinations Performed



Parathyroids

Preoperative Imaging: Ultrasound, Sporadic Disease, Primary Operations

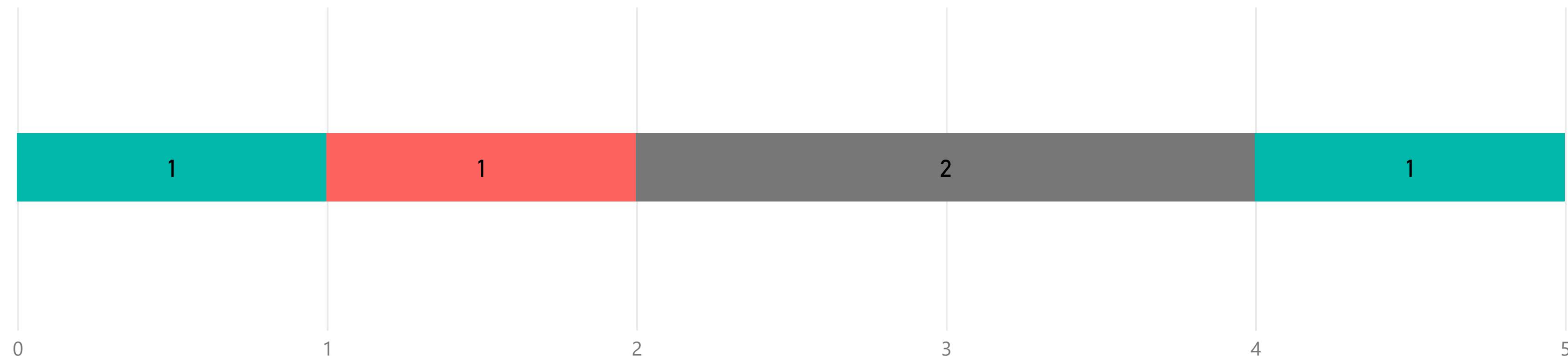
Preoperative Ultrasound in Relation to Intraoperative Finding

● 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 Ultrasound in Relation to Intraoperative Finding

● (Tom)

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

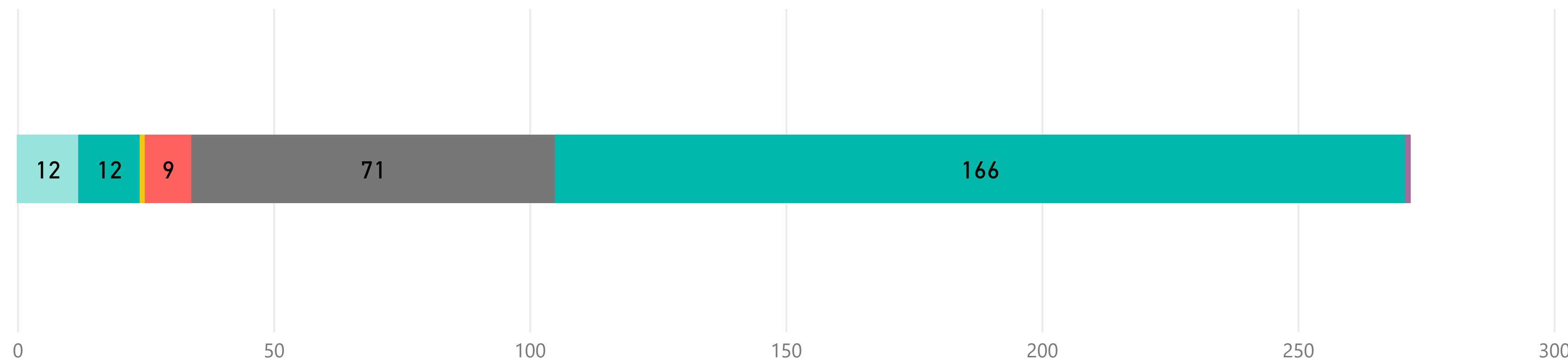
● False prediction of multiglandular disease in solitary adenoma

● 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

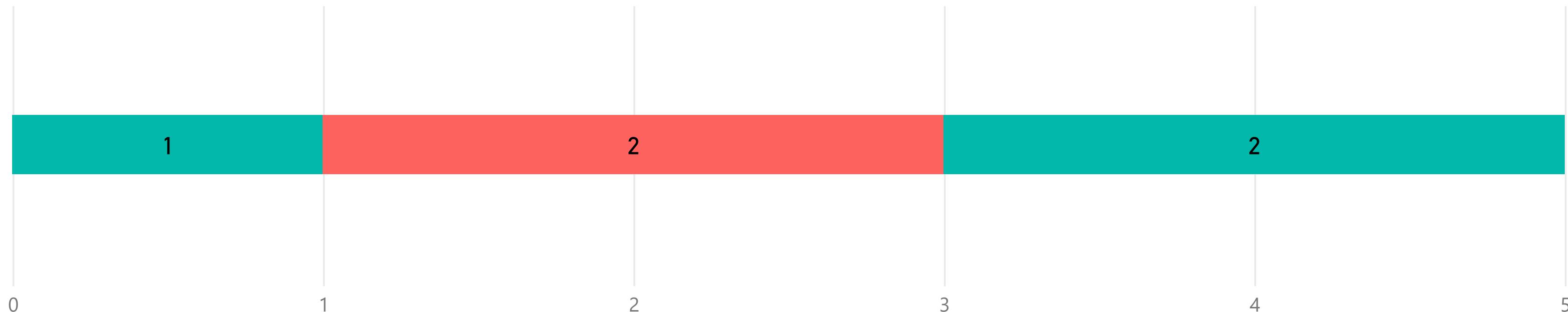


Parathyroids

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

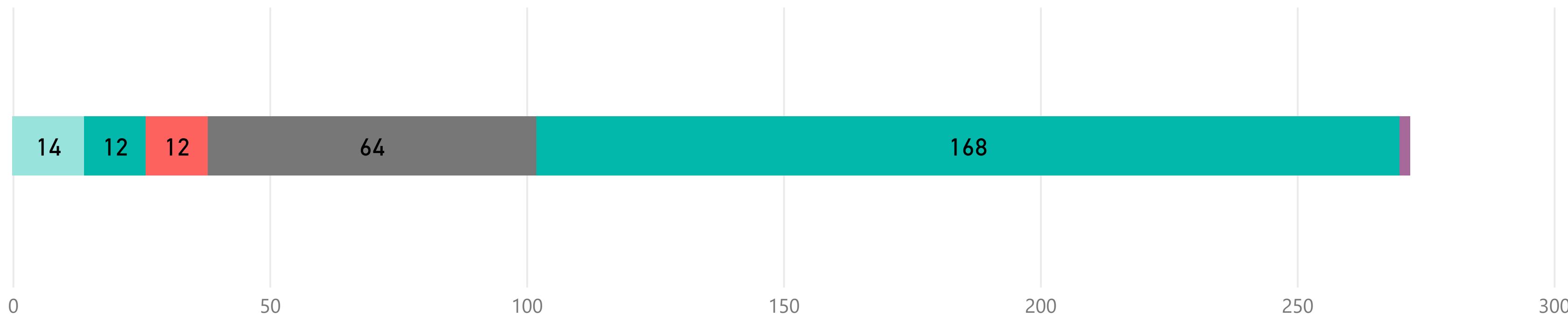
Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

- Correct position of one pathological gland, but multiglandular disease ...
- False pre-op localisations of solitary adenoma (FP)
- True pre-op localisation of solitary adenoma (TP)



Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

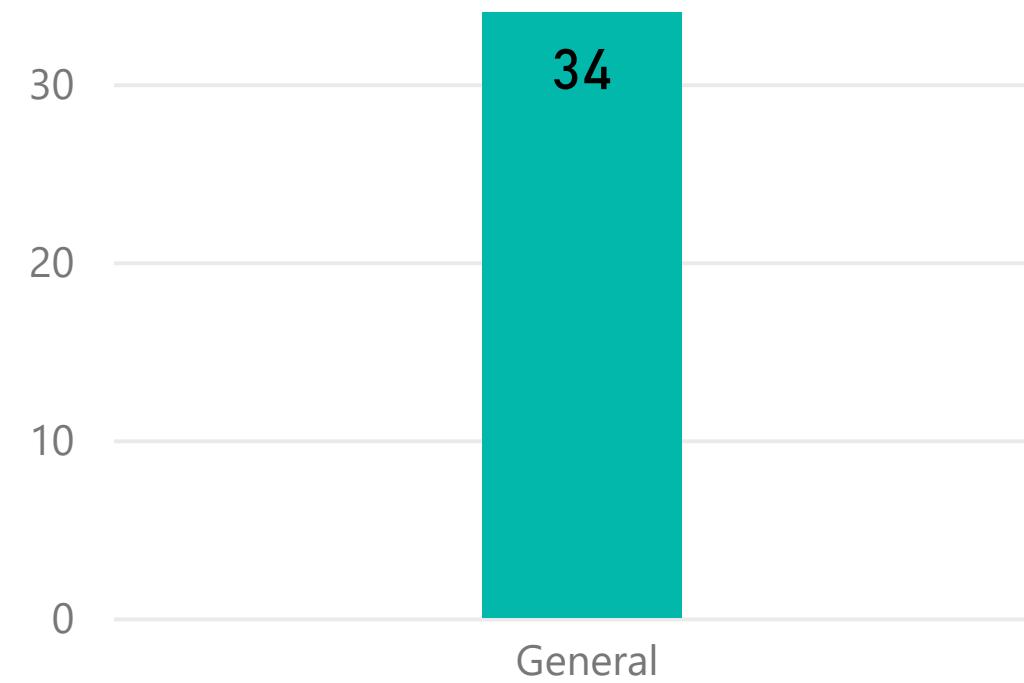
- (Tom)
- Correct position of one pathological gland, but multiglandular disease ...
- False pre-op localisations of solitary adenoma (FP)
- Negative / inconclusive pre-op examination
- True pre-op localisation of solitary adenoma (TP)
- True pre-op prediction of multiglandular disease



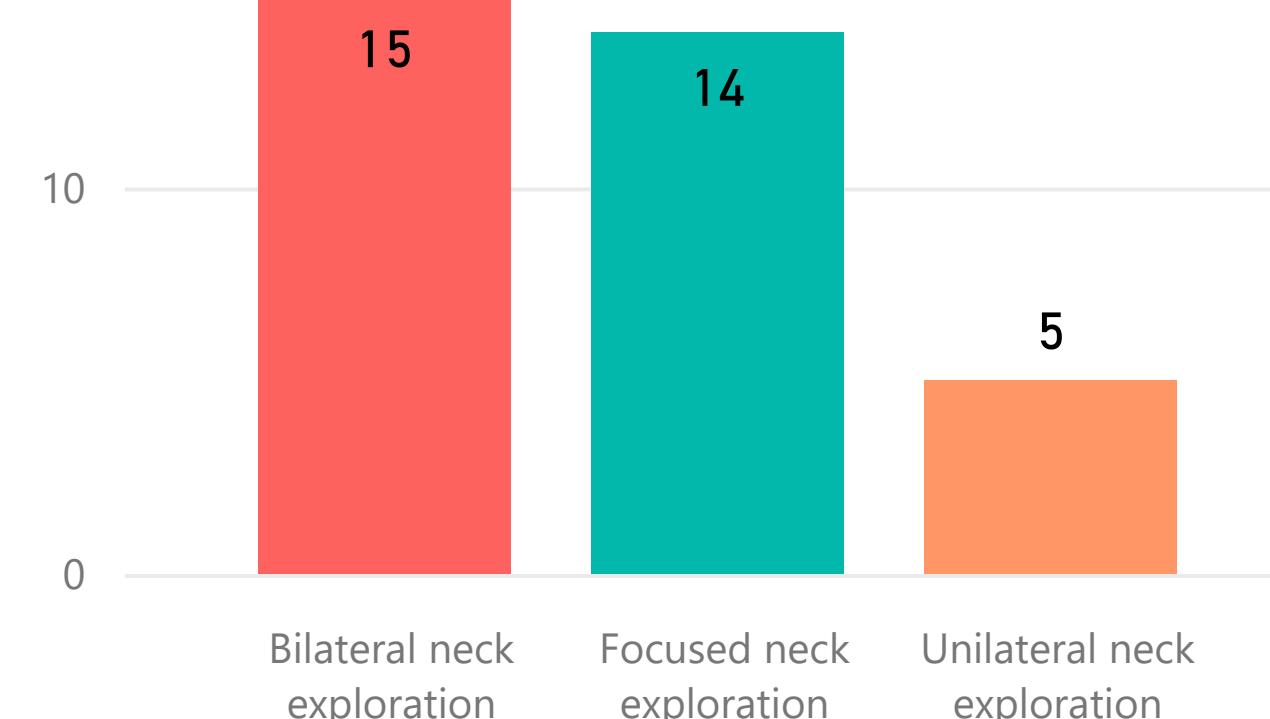
Parathyroids

Characteristics of Primary Operations, Sporadic Disease

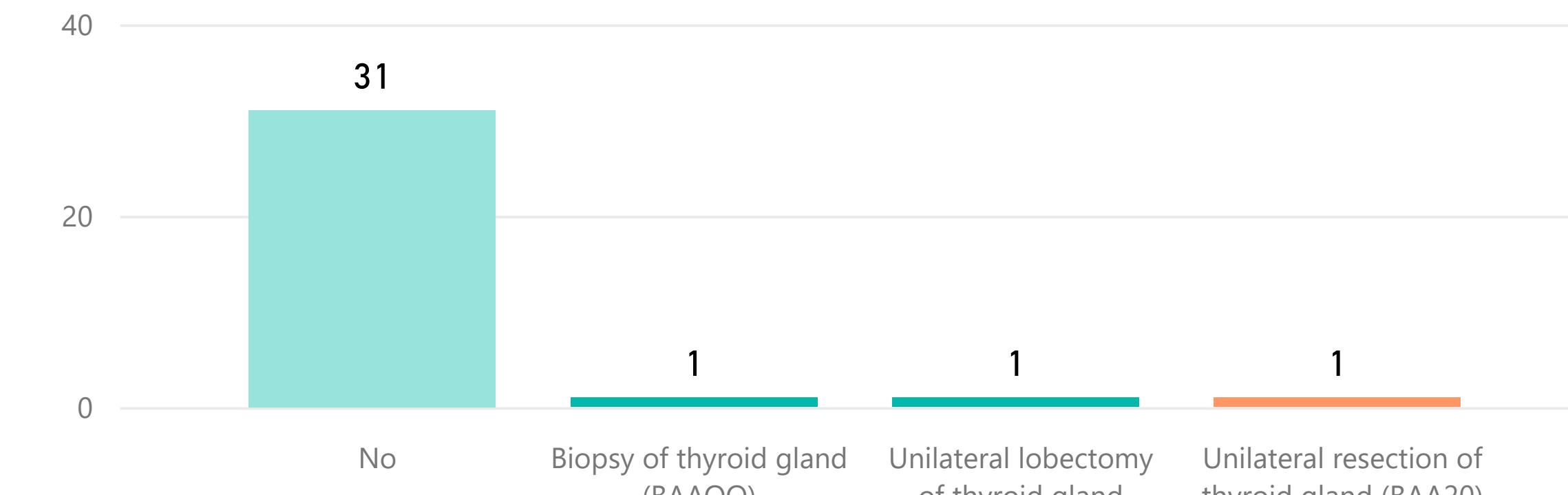
Type of Anesthesia



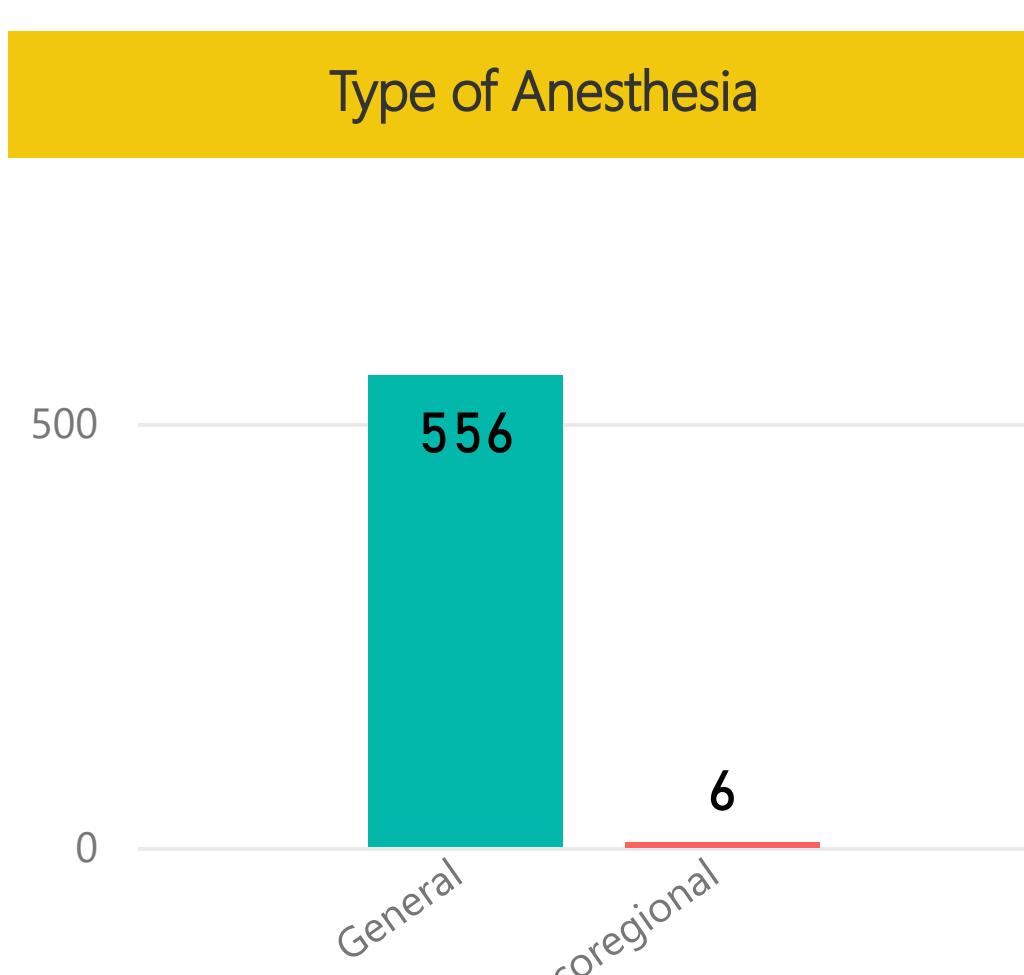
Type of Approach



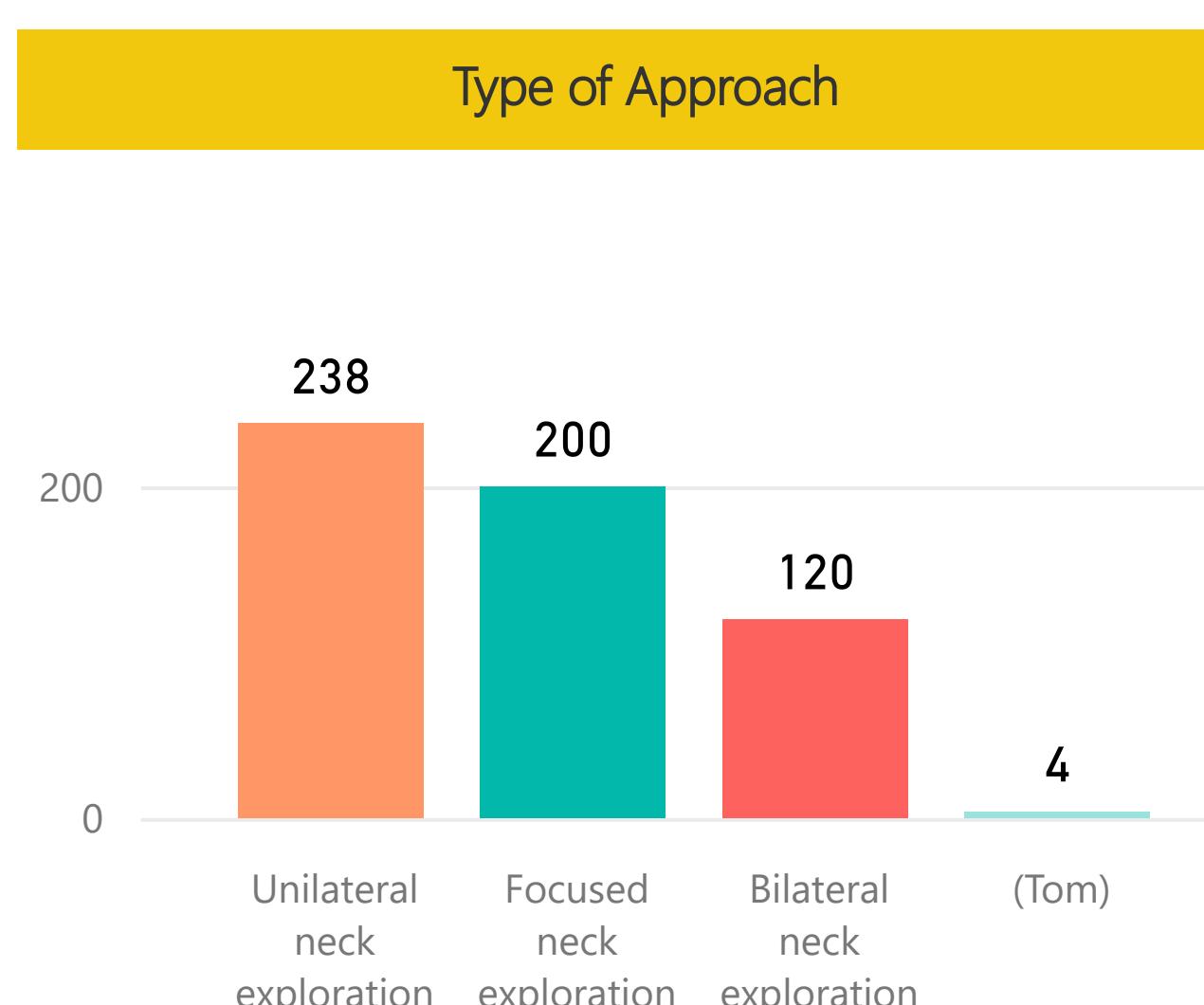
Concommittant Thyroid Resection



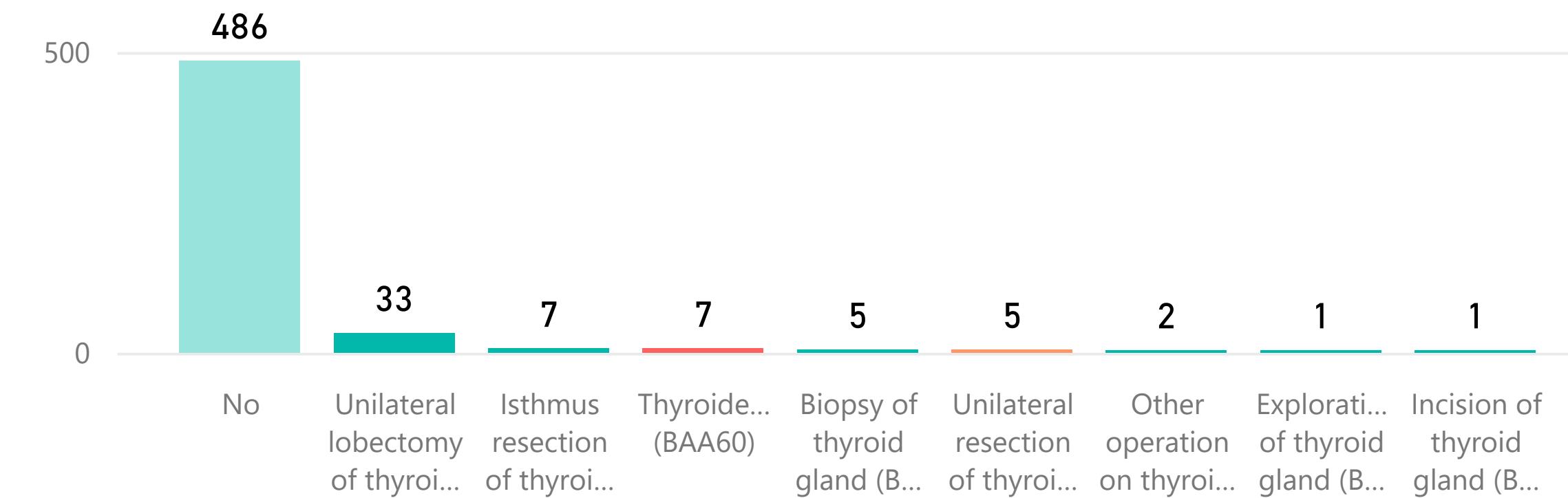
Type of Anesthesia



Type of Approach



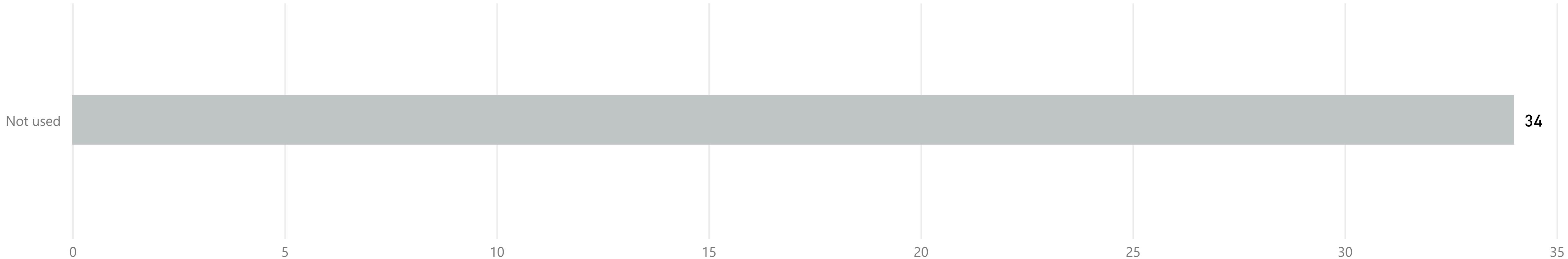
Concommittant Thyroid Resection



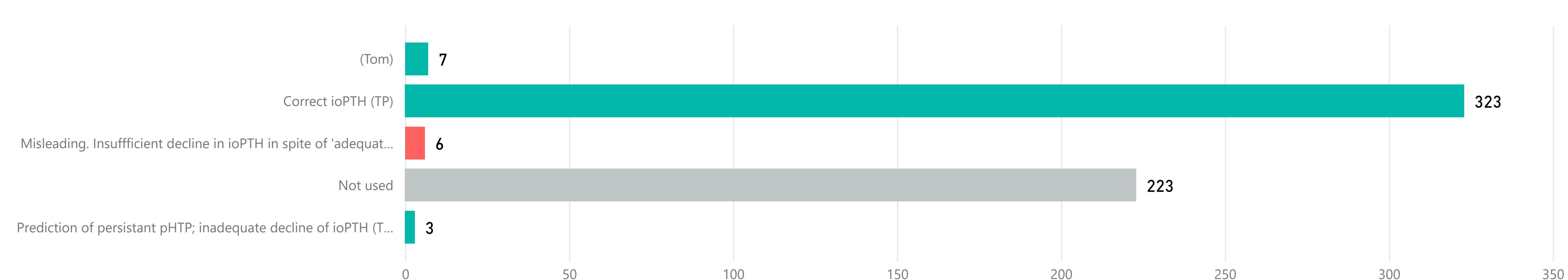
Parathyroids

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

PTH-Monitoring Results

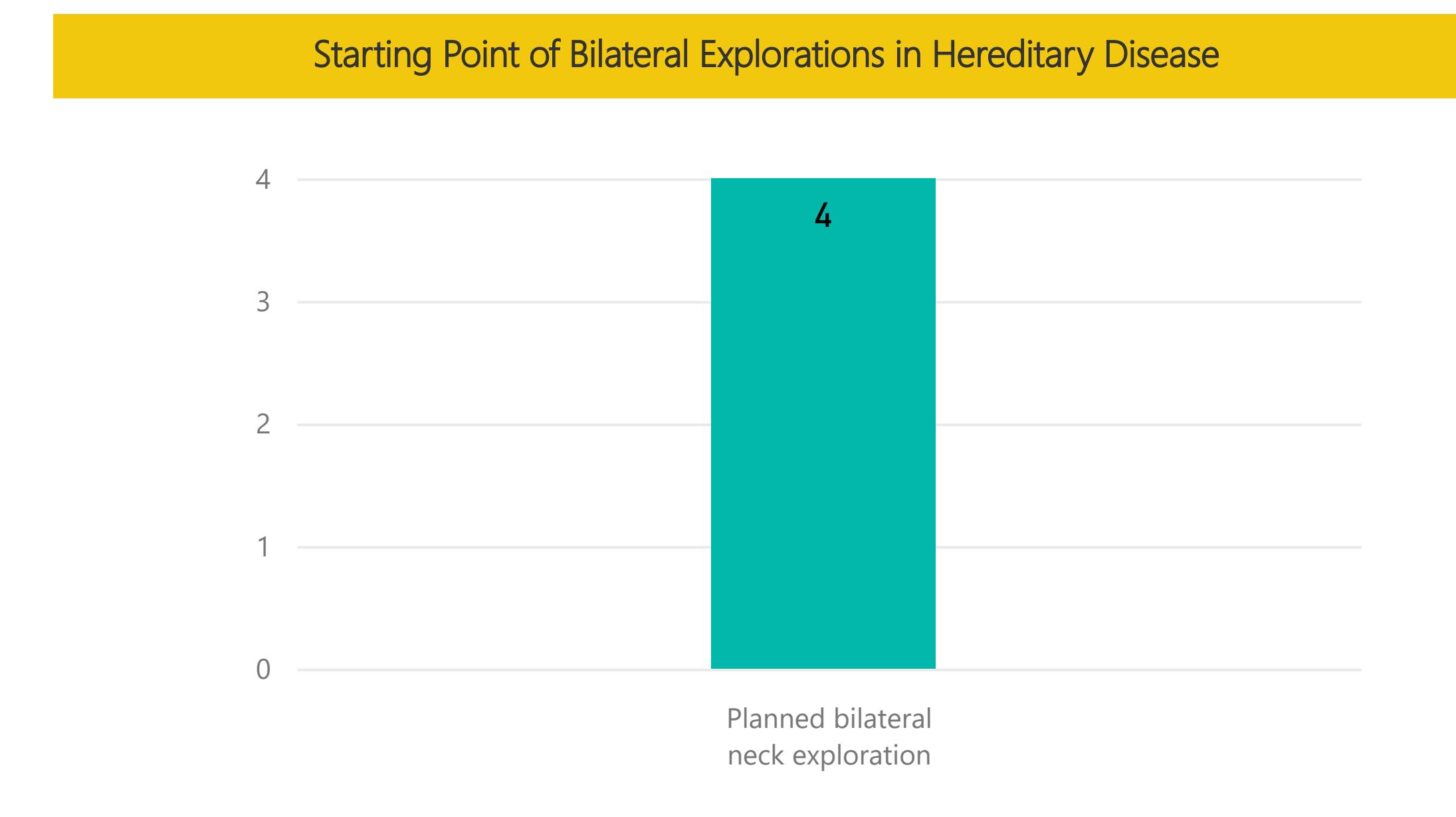
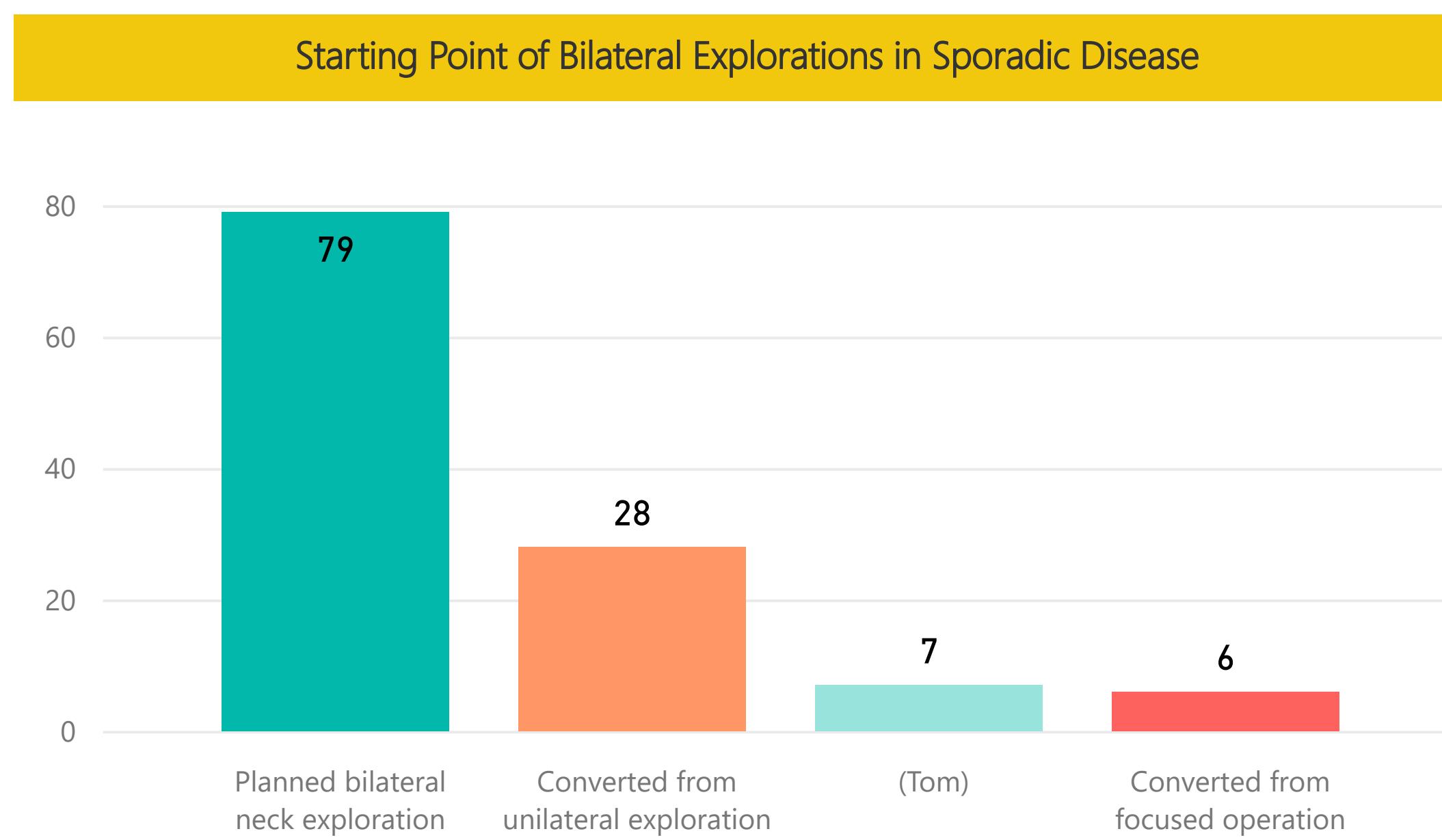
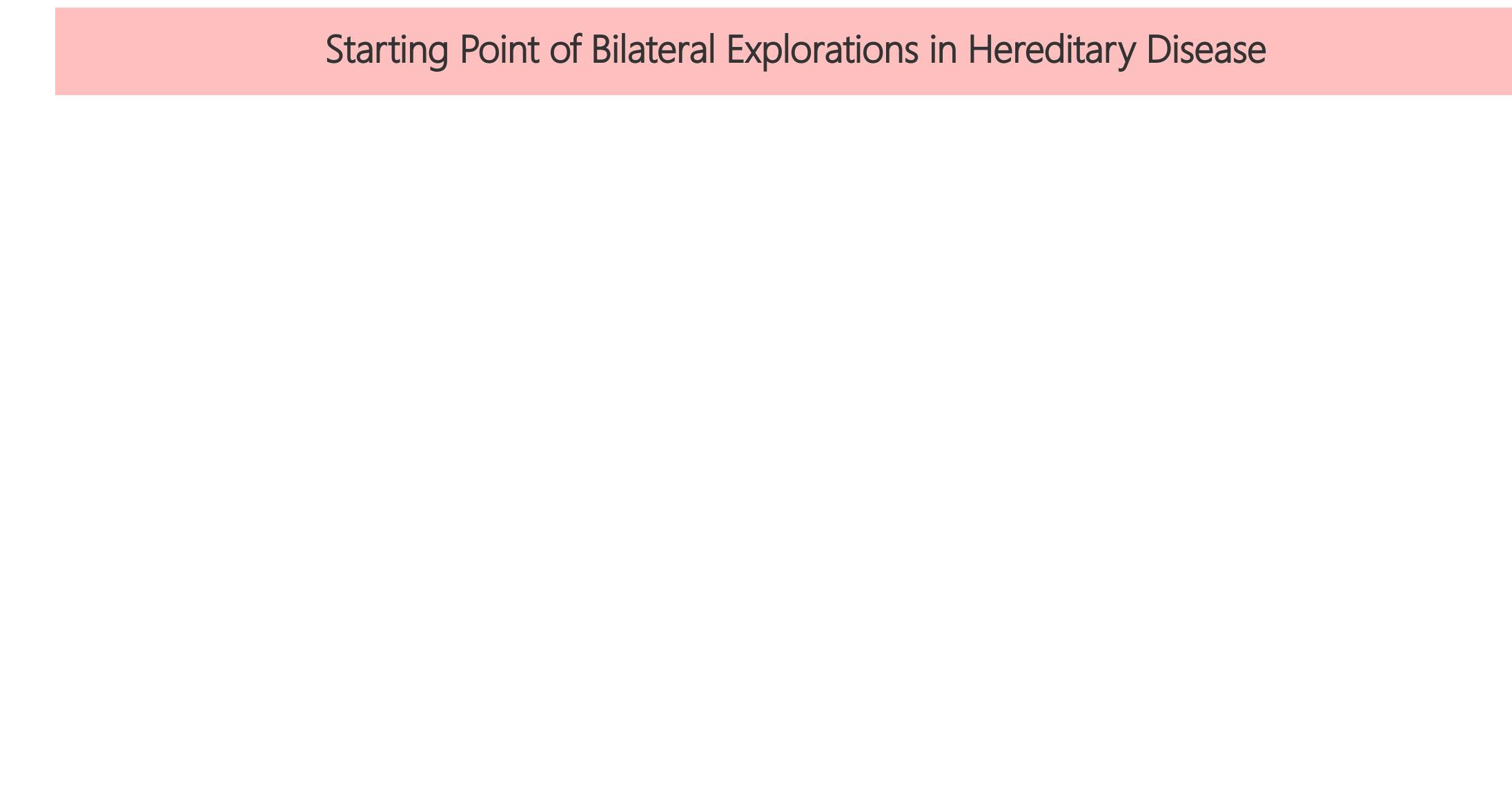
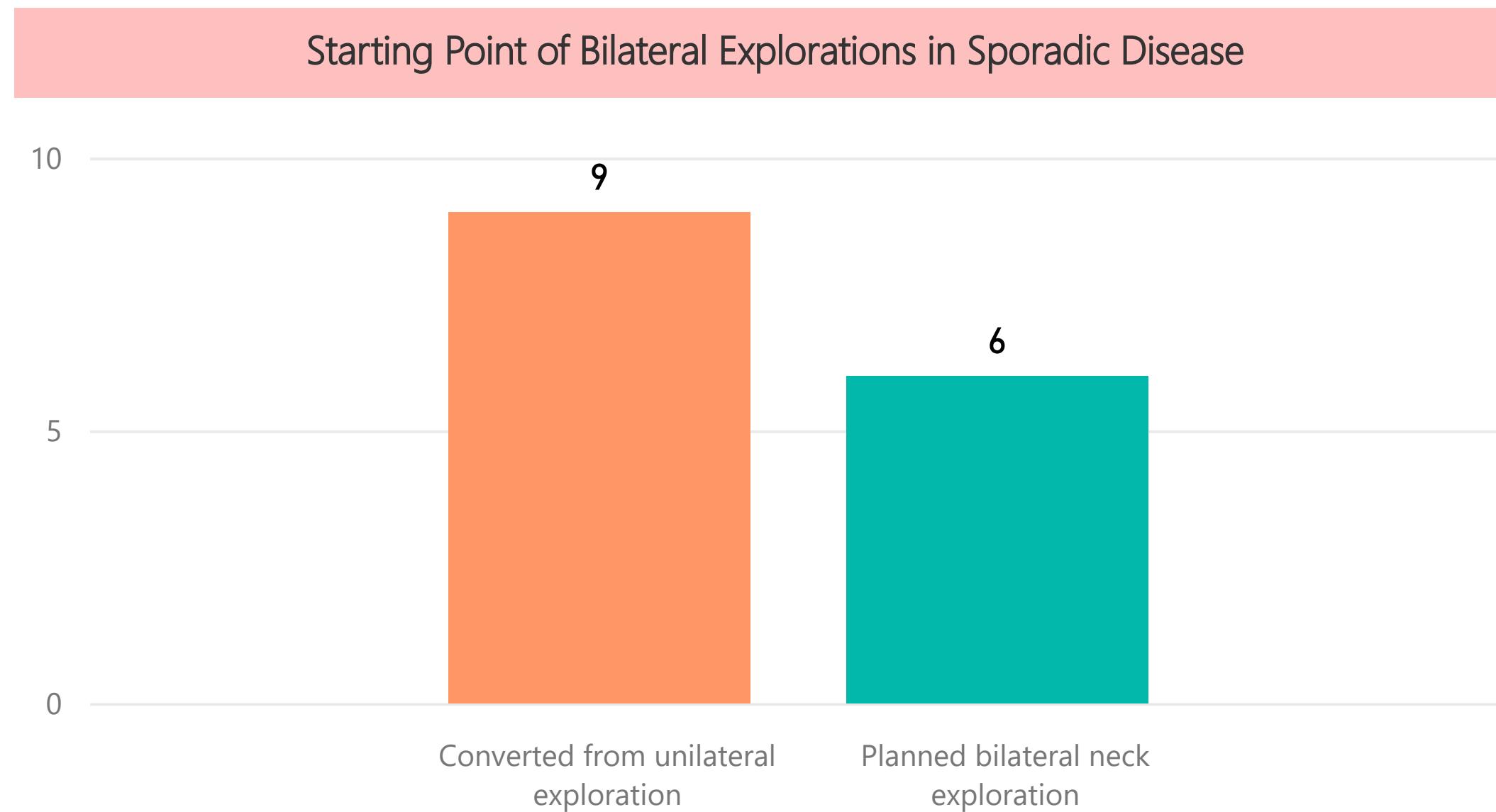


PTH-Monitoring Results



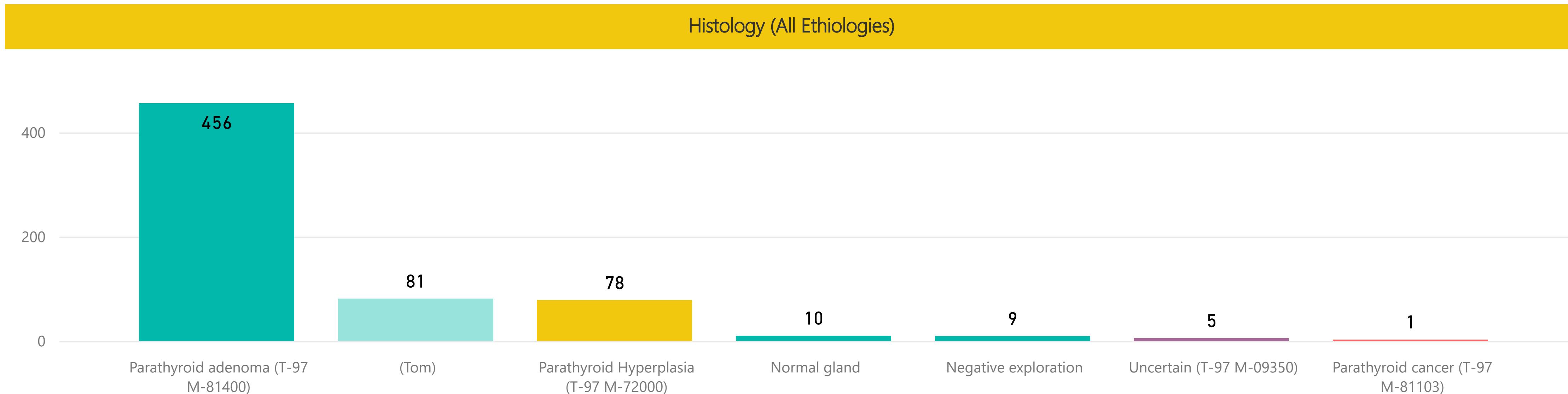
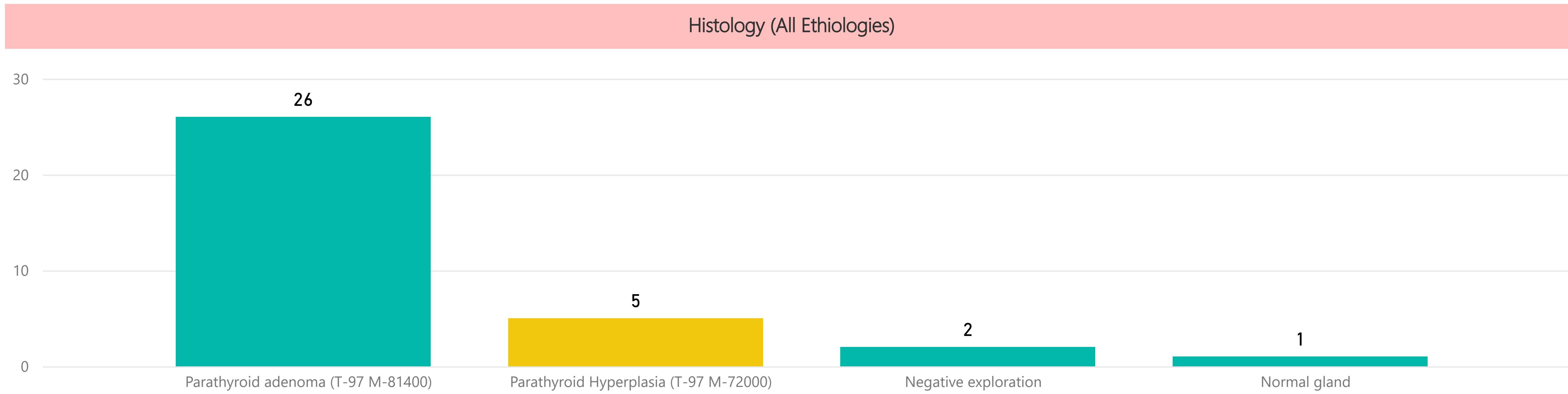
Parathyroids

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



Parathyroids

Histopathology Results

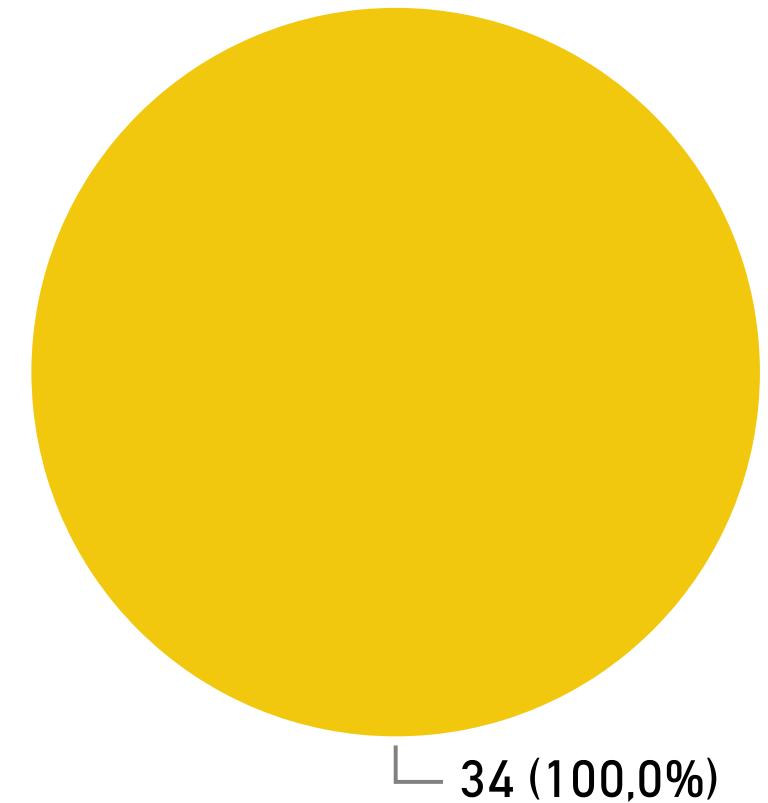


Parathyroids

Postoperative Laryngoscopy

Postoperative Laryngoscopy

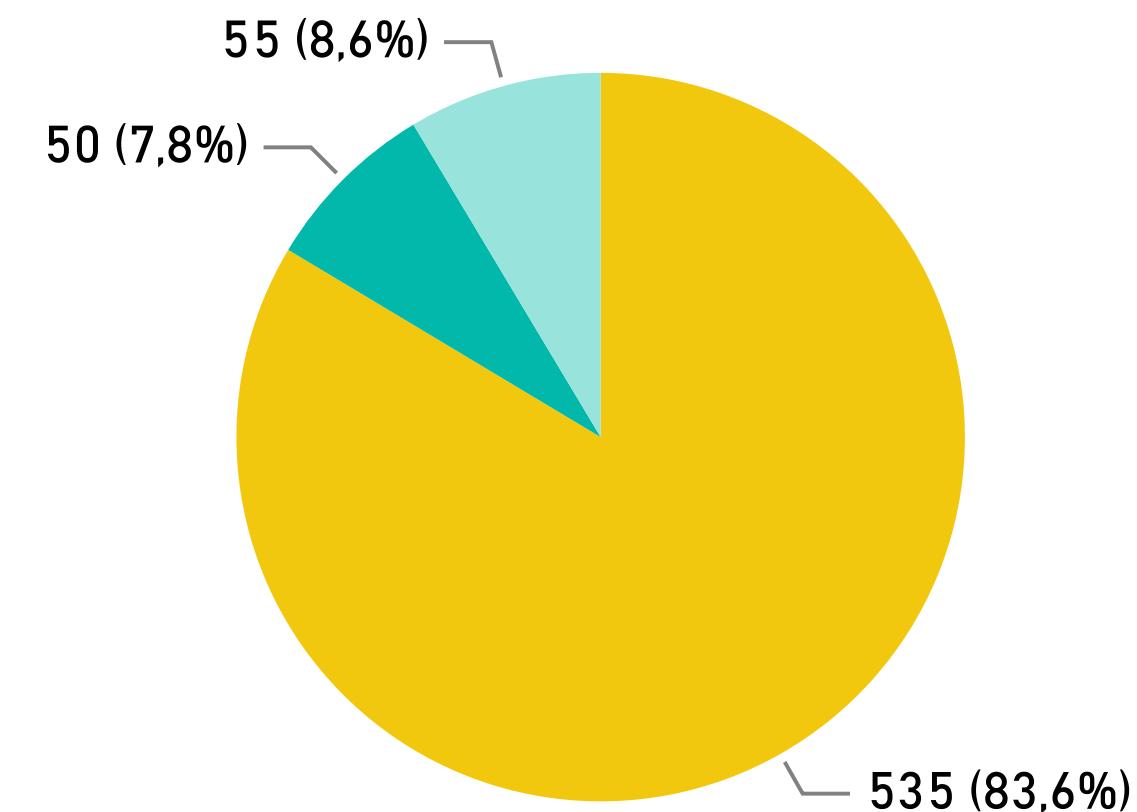
● Not performed



Postoperative Laryngoscopy	n	%
Not performed	34	100,00%
Totalt	34	100,00%

Postoperative Laryngoscopy

● Not performed
● Normal
● (Tom)



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

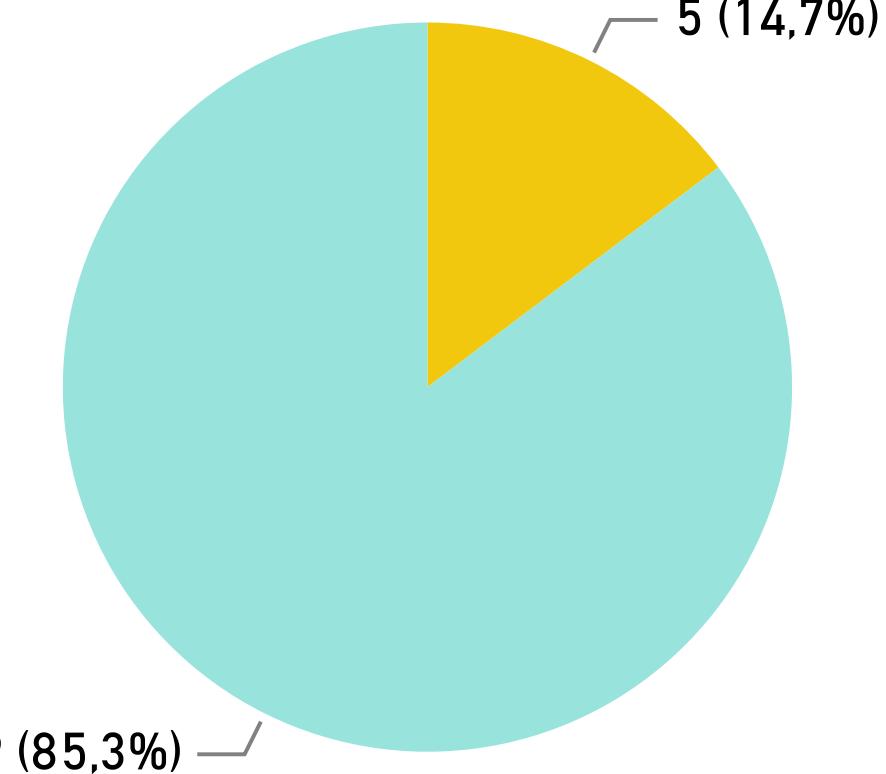
Parathyroids

Laryngoscopy at Follow-up (F2)

Laryngoscopy at Longterm Follow-up (F2)

● Not performed

(Tom)



Laryngoscopy at Follow-up

	n	%
Not performed	29	85,29%
(Tom)	5	14,71%
Totalt	34	100,00%

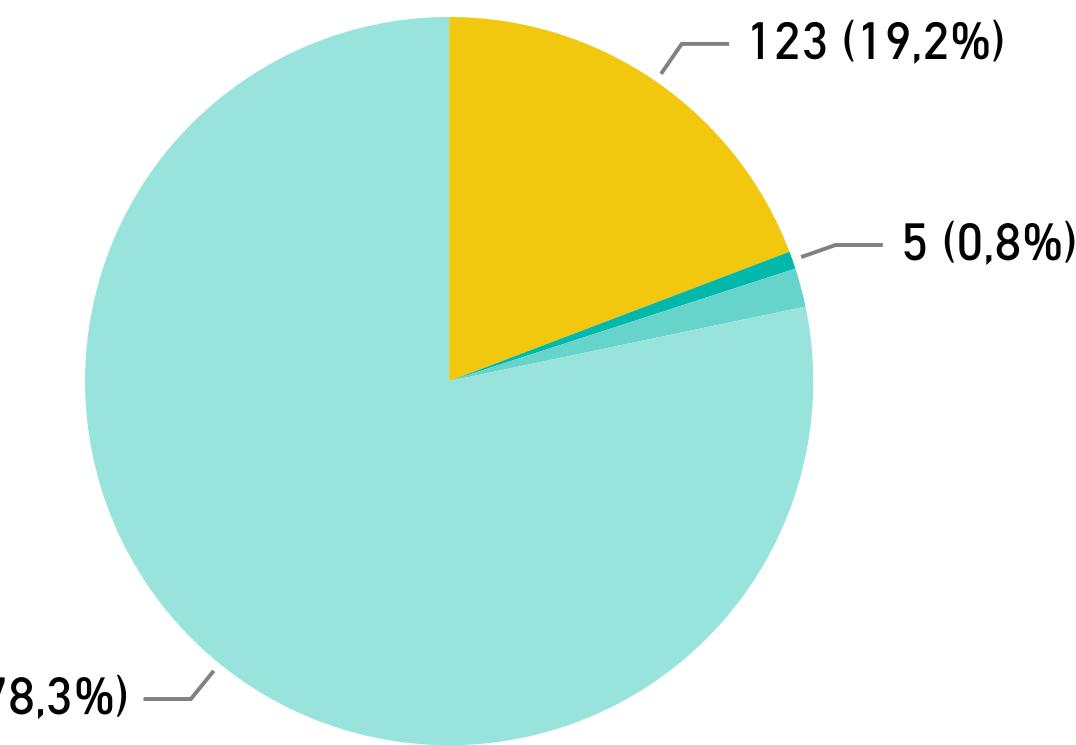
Laryngoscopy at Longterm Follow-up (F2)

● Not performed

● Normal

● No data available

(Tom)

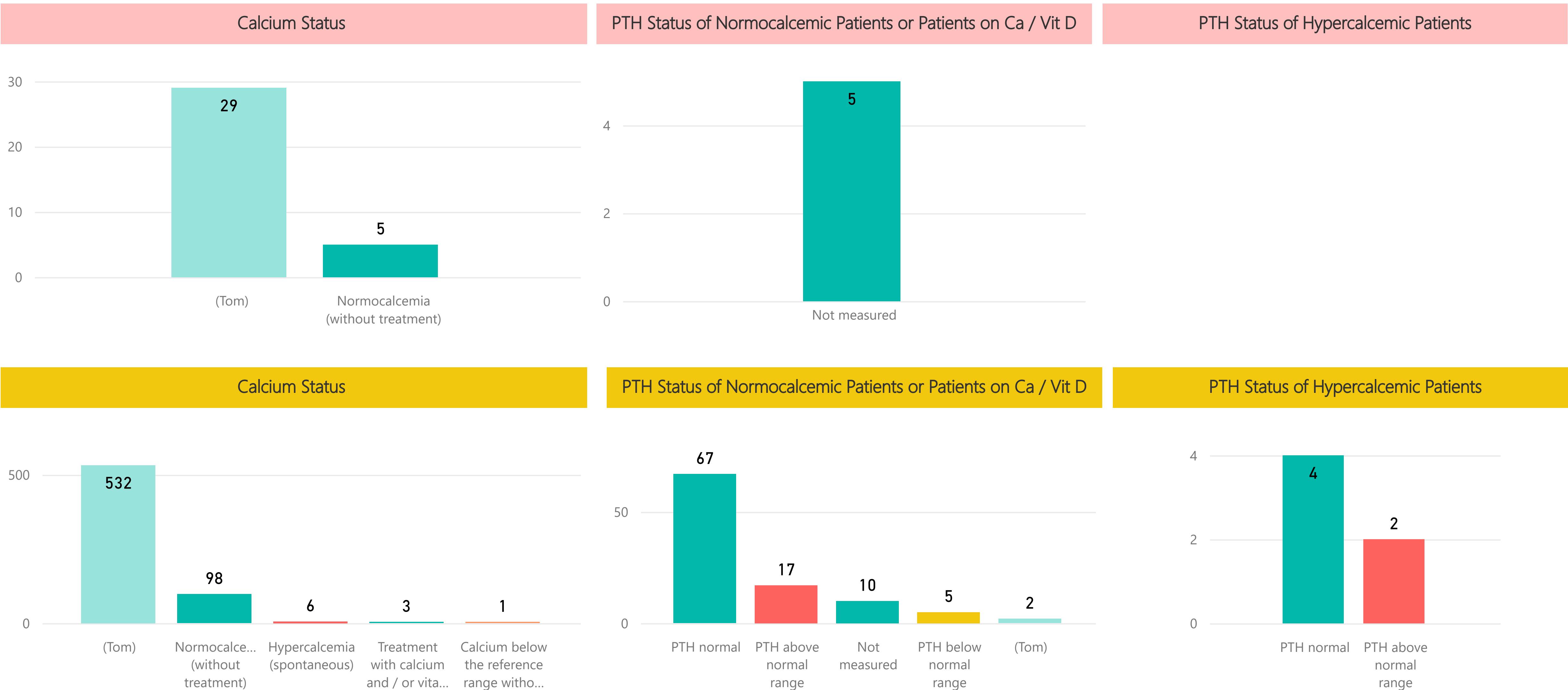


Laryngoscopy at Follow-up

	n	%
No data available	501	78,28%
Normal	11	1,72%
Not performed	5	0,78%
(Tom)	123	19,22%
Totalt	640	100,00%

Parathyroids

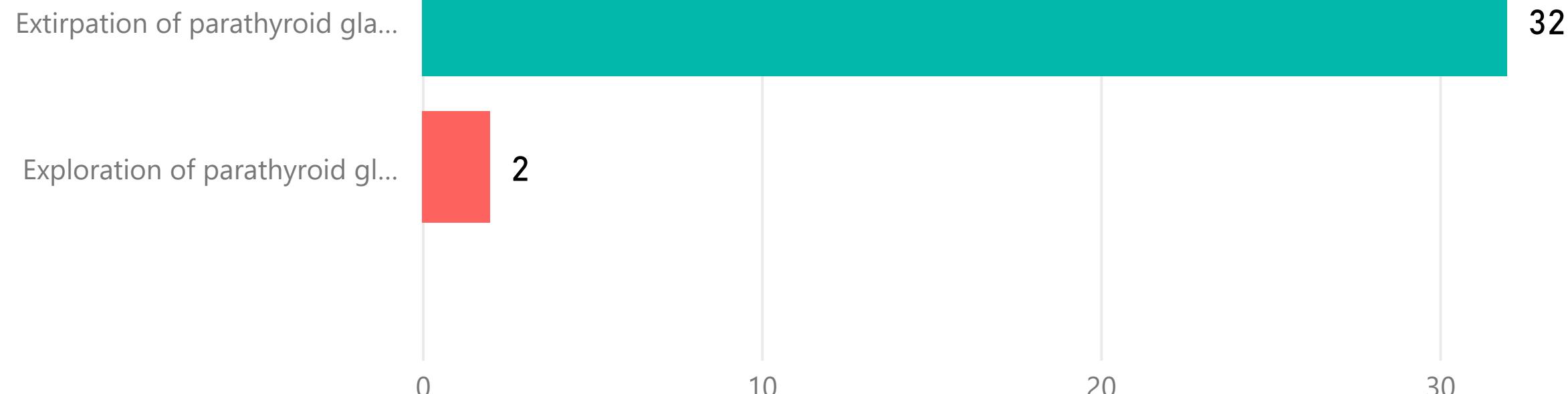
Follow-up Data



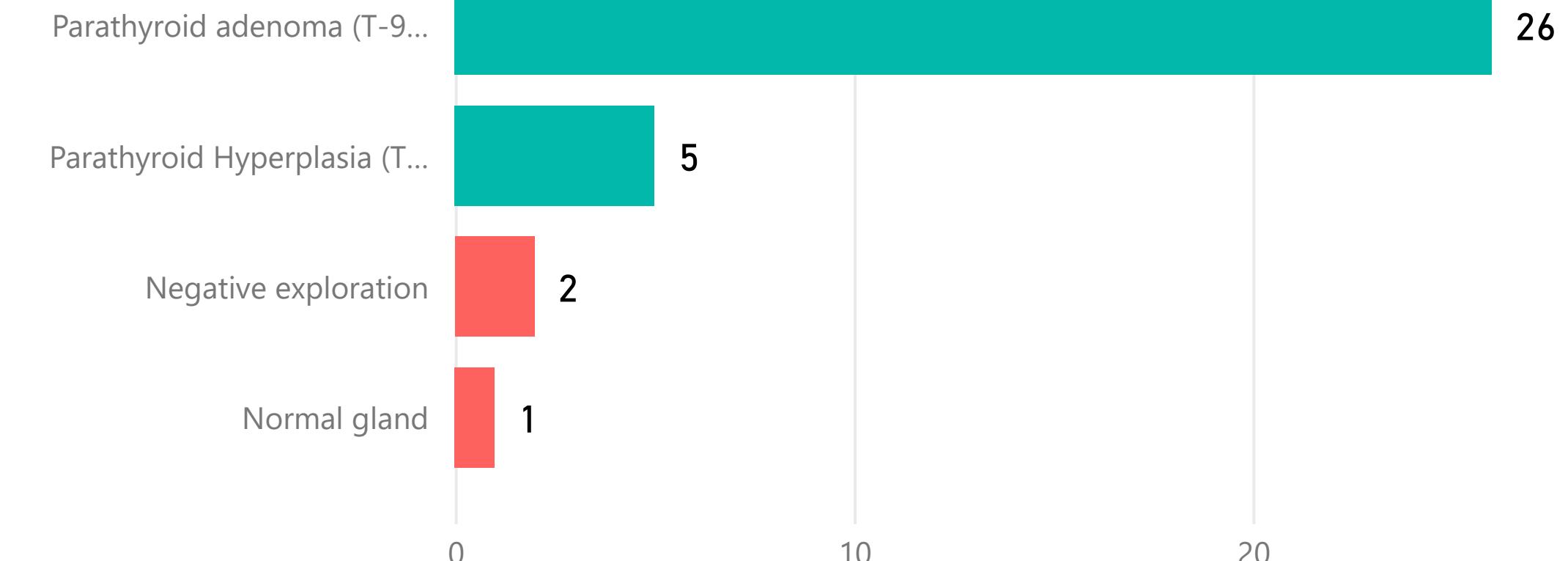
Parathyroids

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

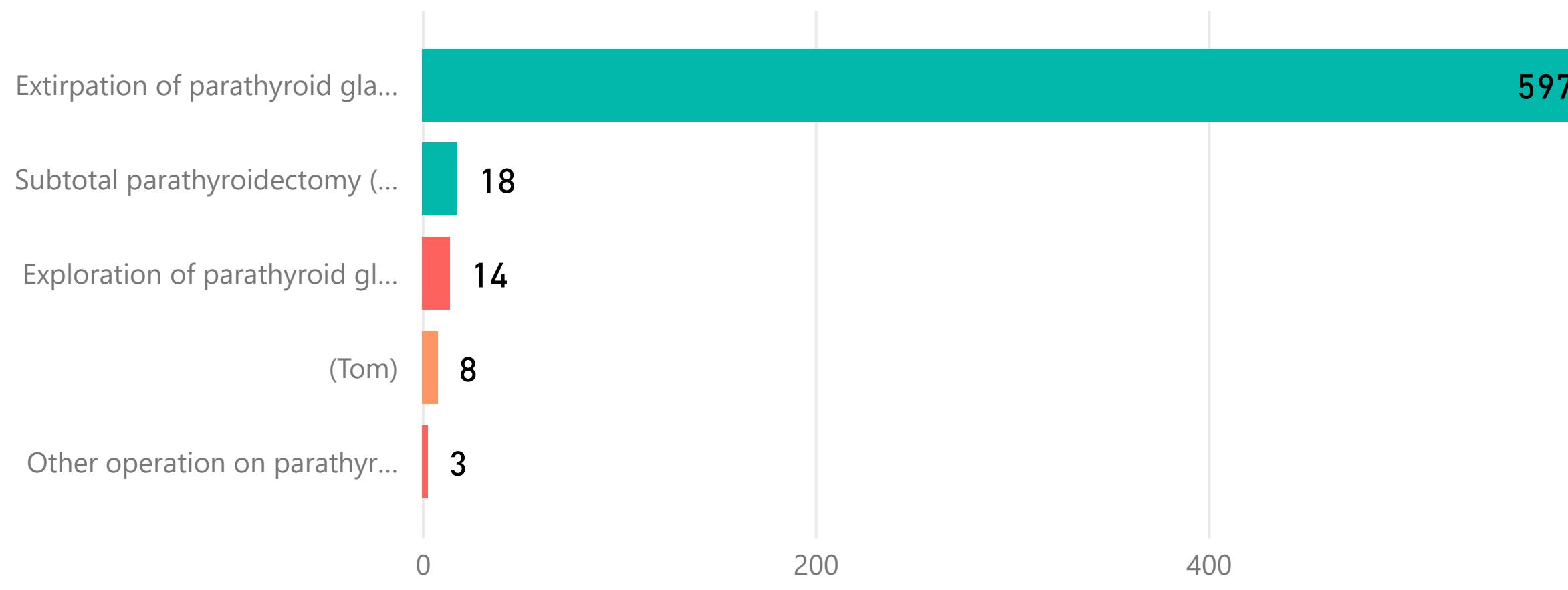
based on Selected Type of Operation



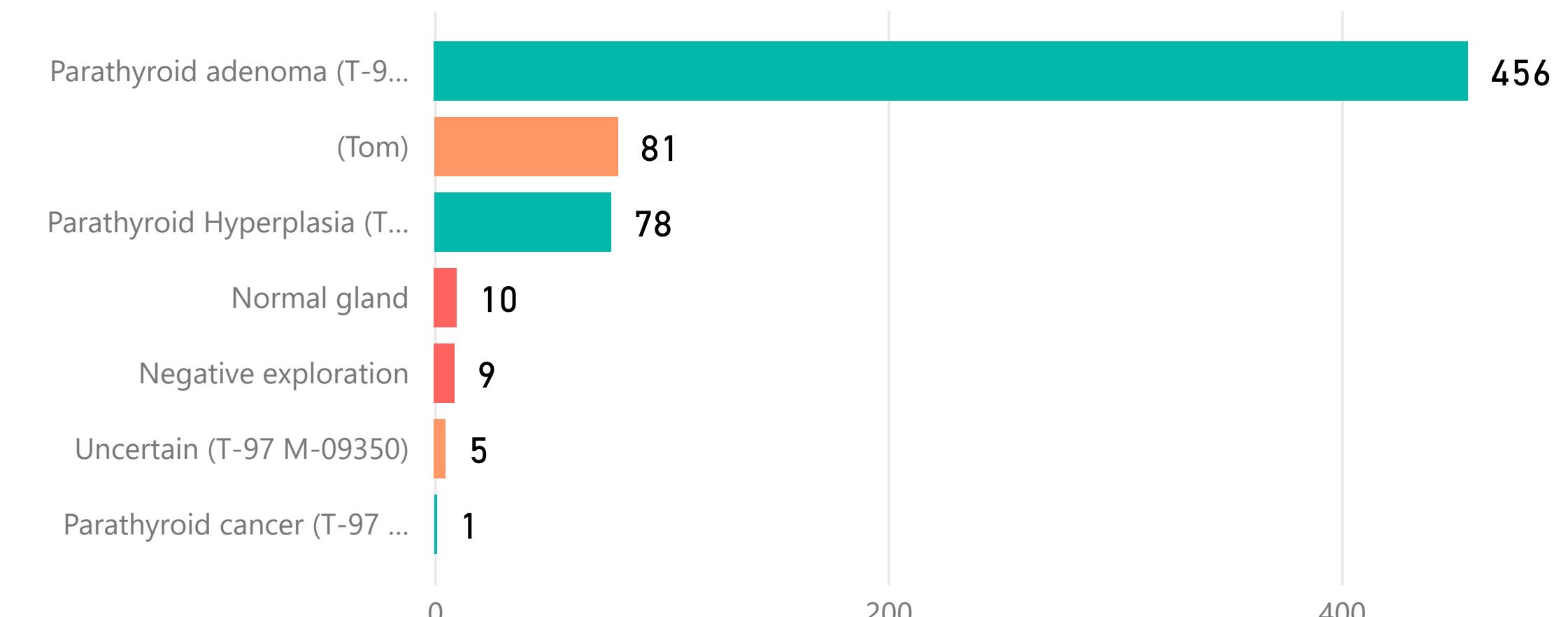
based on Selected Histological Main Diagnosis



based on Selected Type of Operation



based on Selected Histological Main Diagnosis

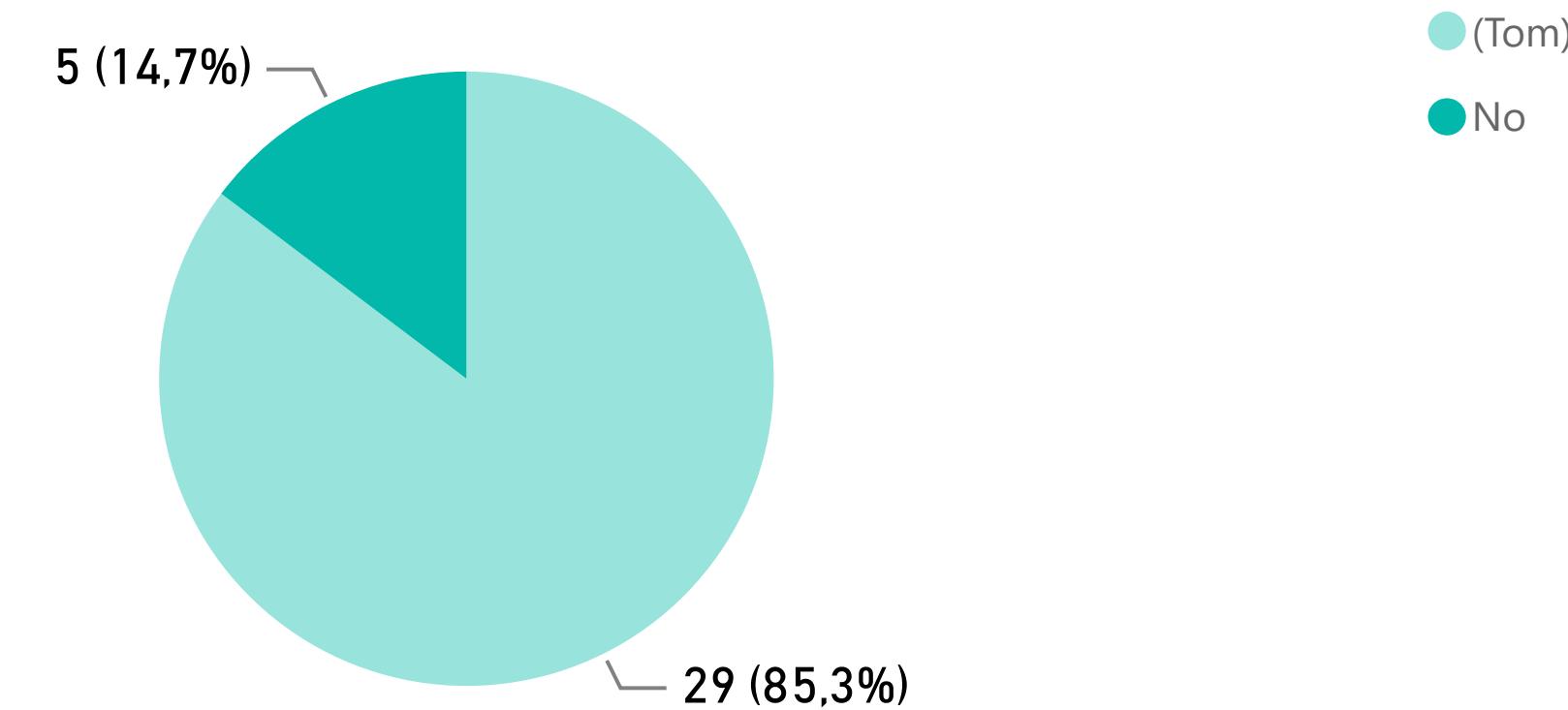


Parathyroids

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

