

# 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
- Kirurgiska 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

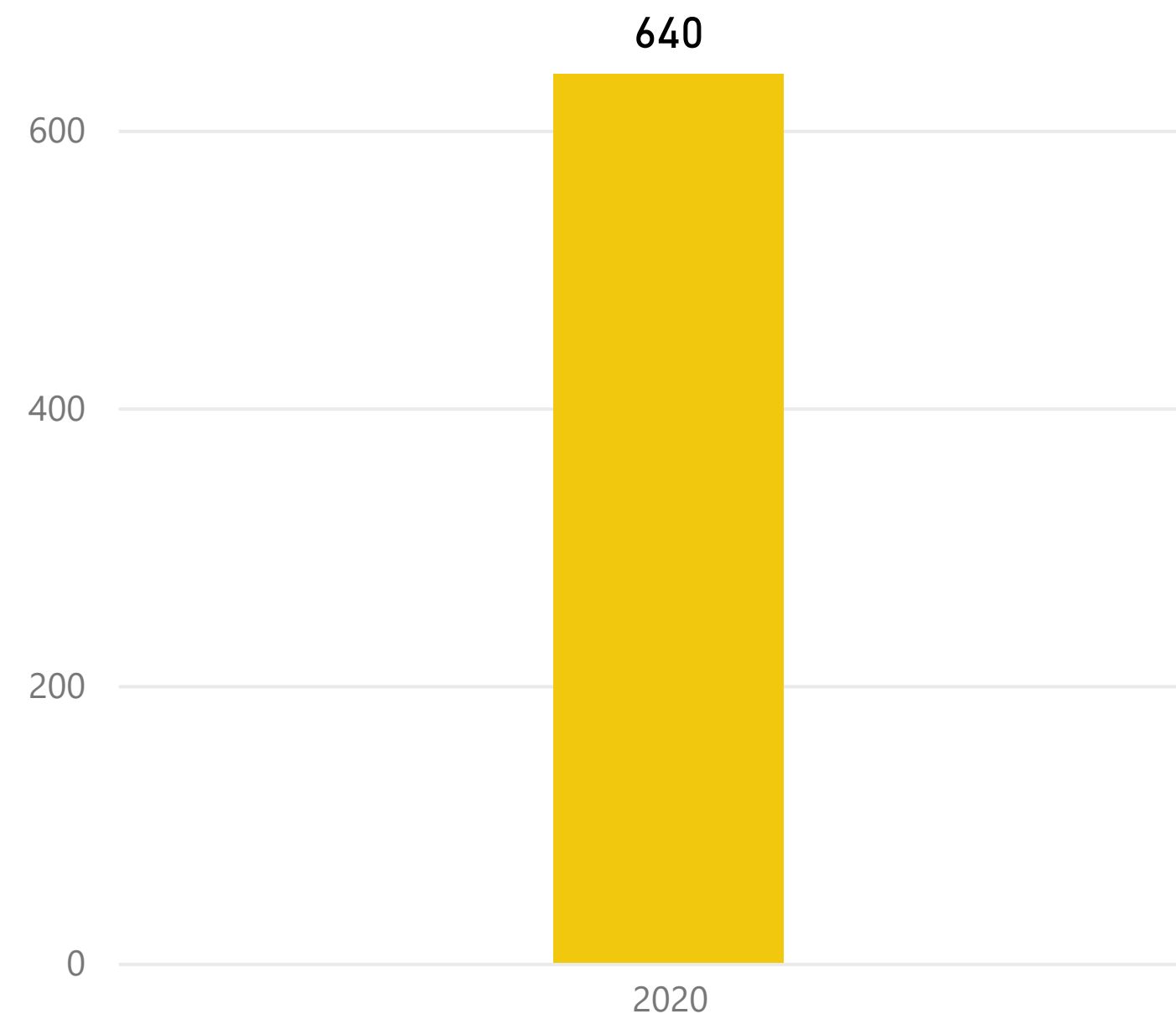
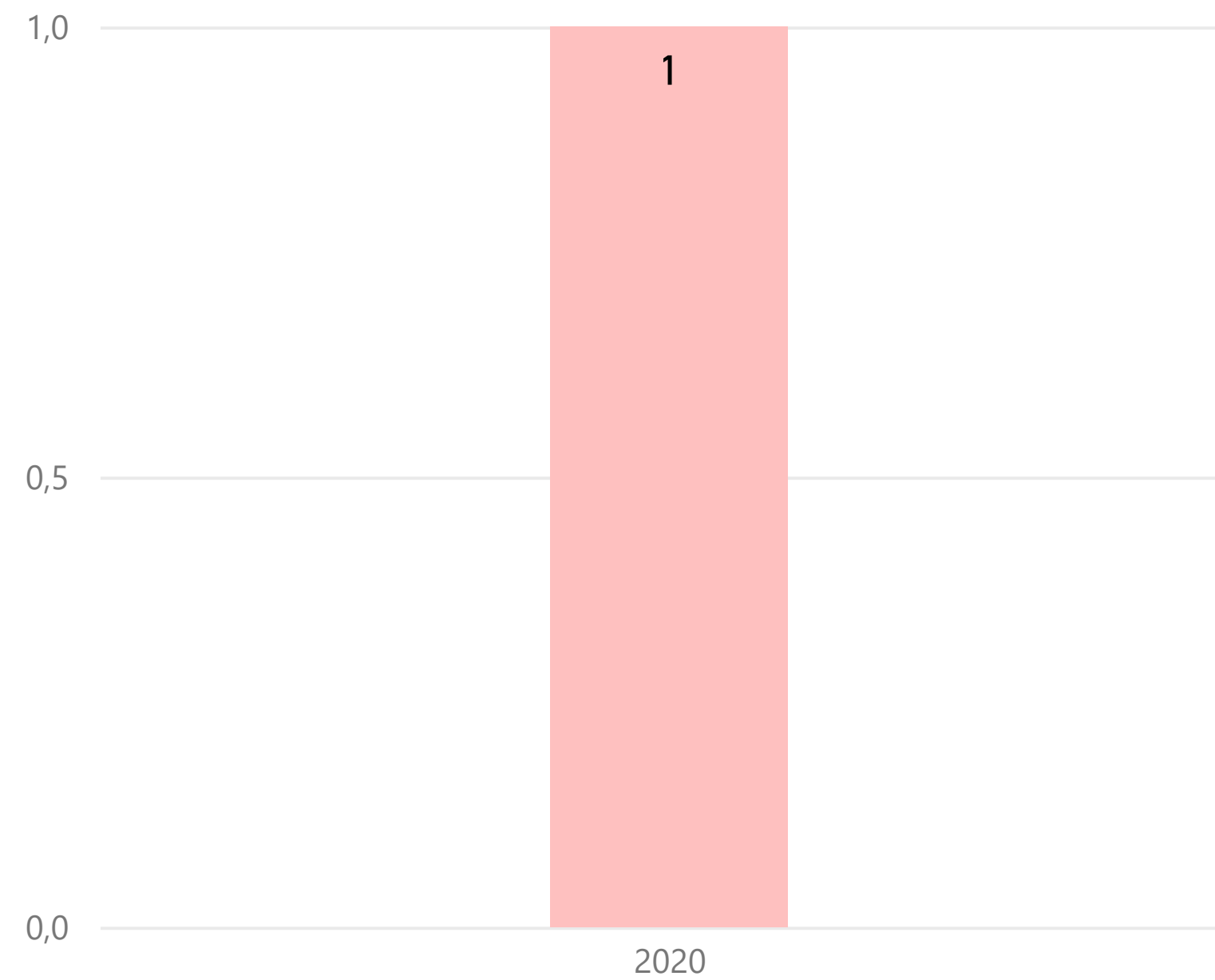
# EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Registered Parathyroid Operations  
in Your Clinic

Registered Parathyroid Operations in  
Other EUROCRINE Clinics of Your Country

Investigated Year



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

Color Coding in this Report:

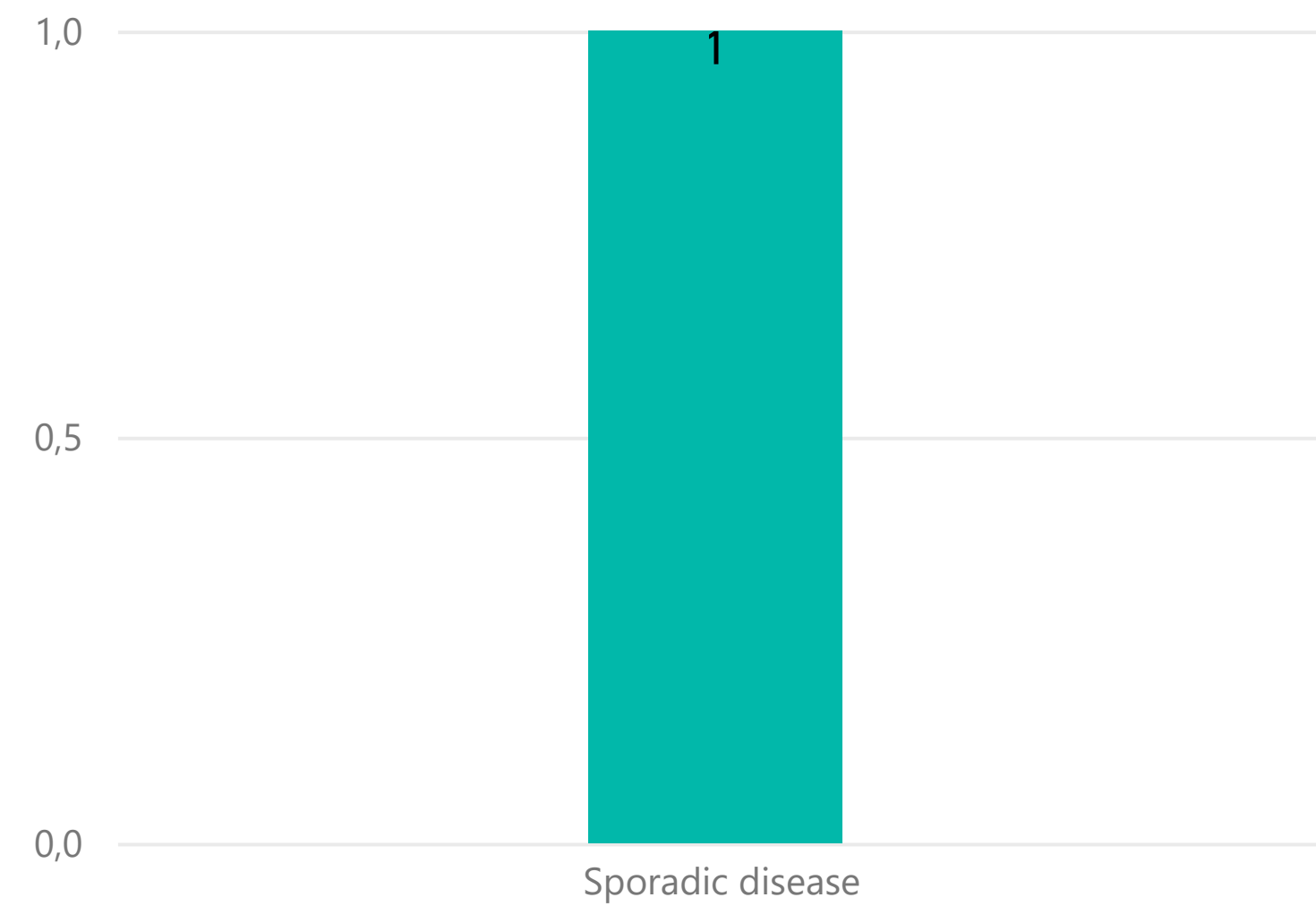
Your Clinic

Other EUROCRINE Clinics in Your Country

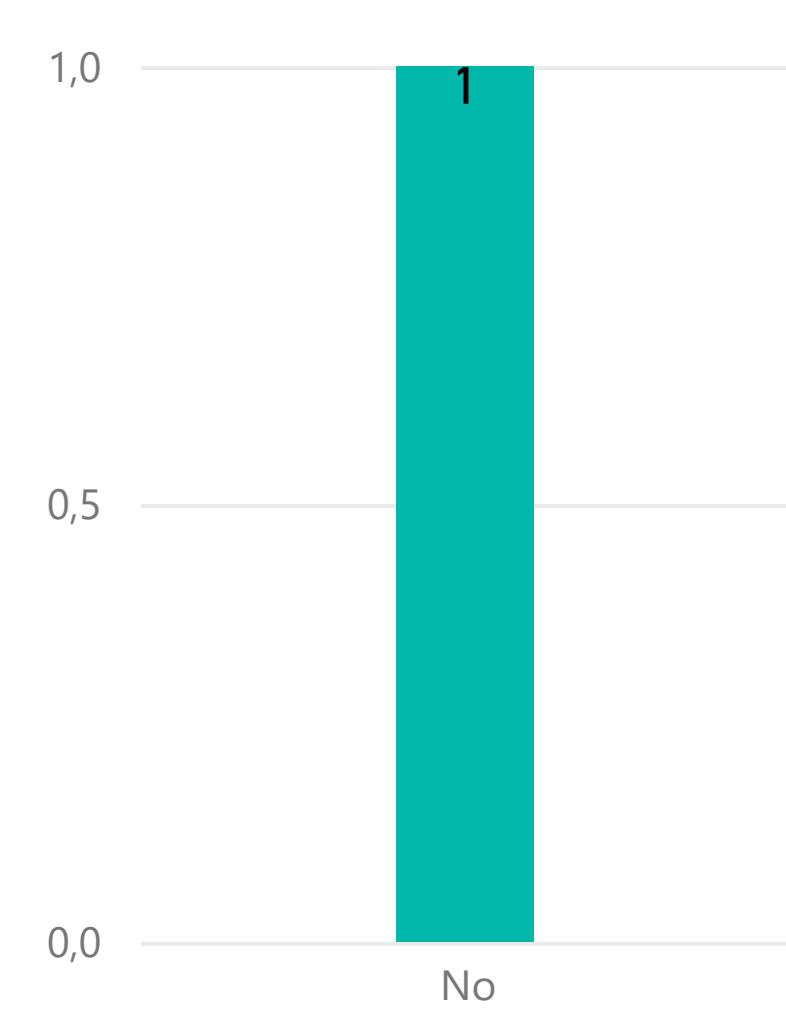
# Parathyroids

## Ethiology, Age Distribution

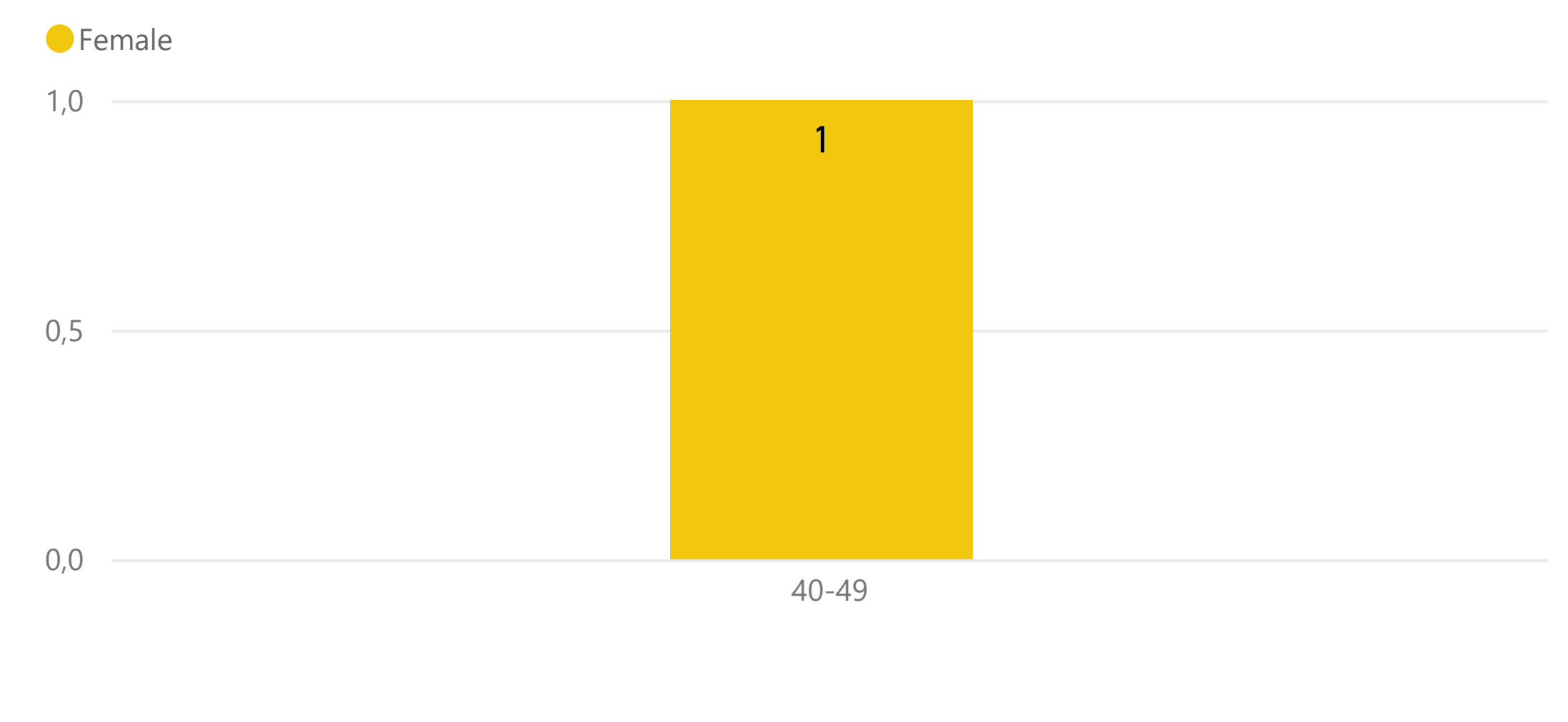
Etiology



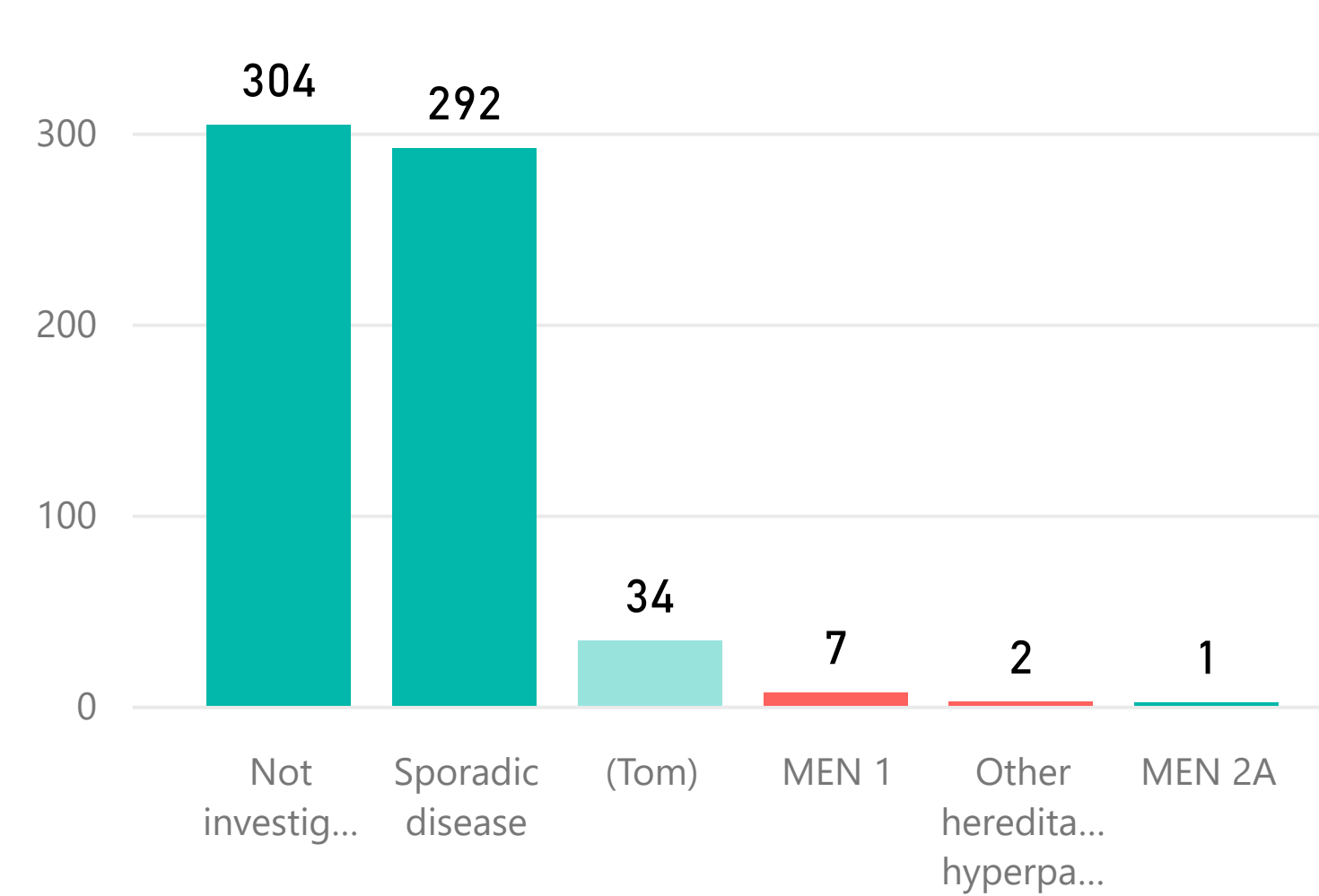
Lithium - Therapy



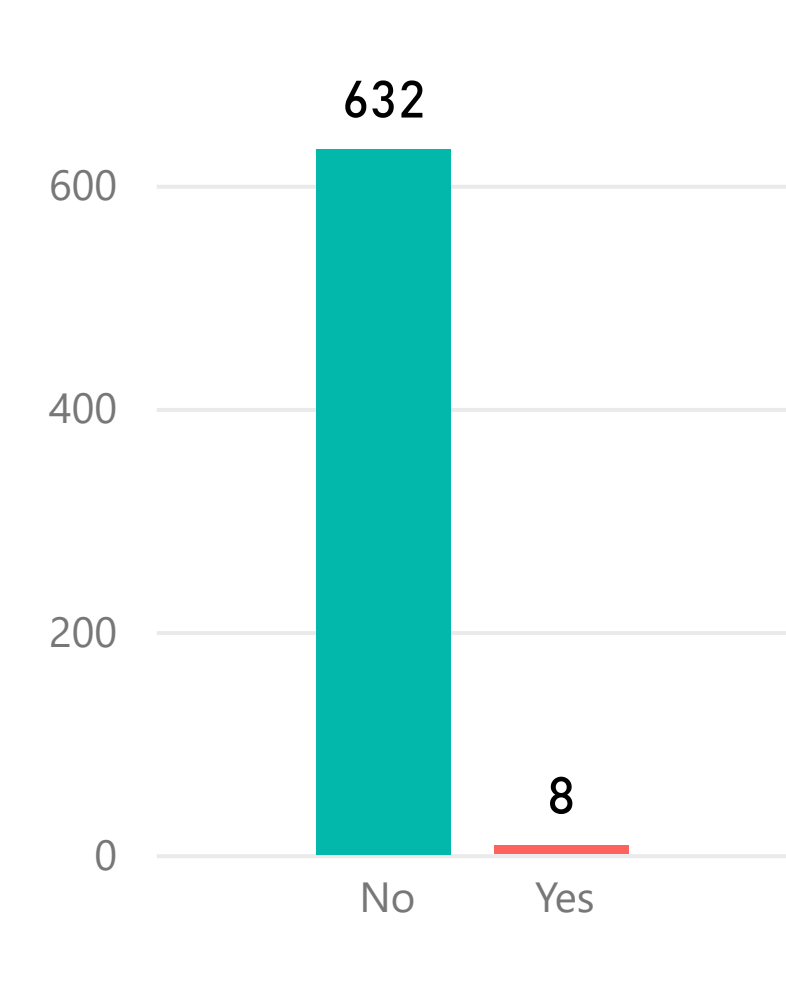
Age Distribution and Gender (Sporadic pHPT)



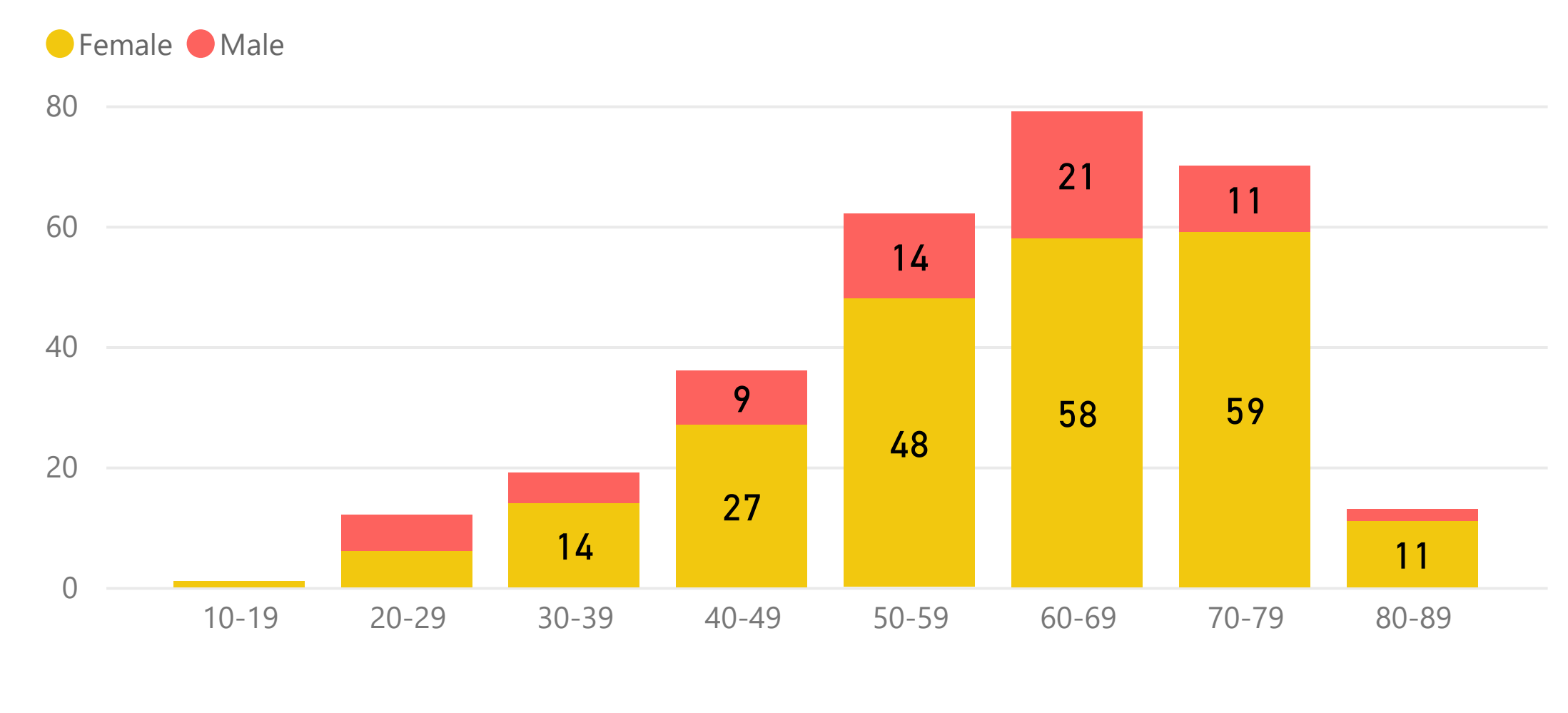
Etiology



Lithium - Therapy



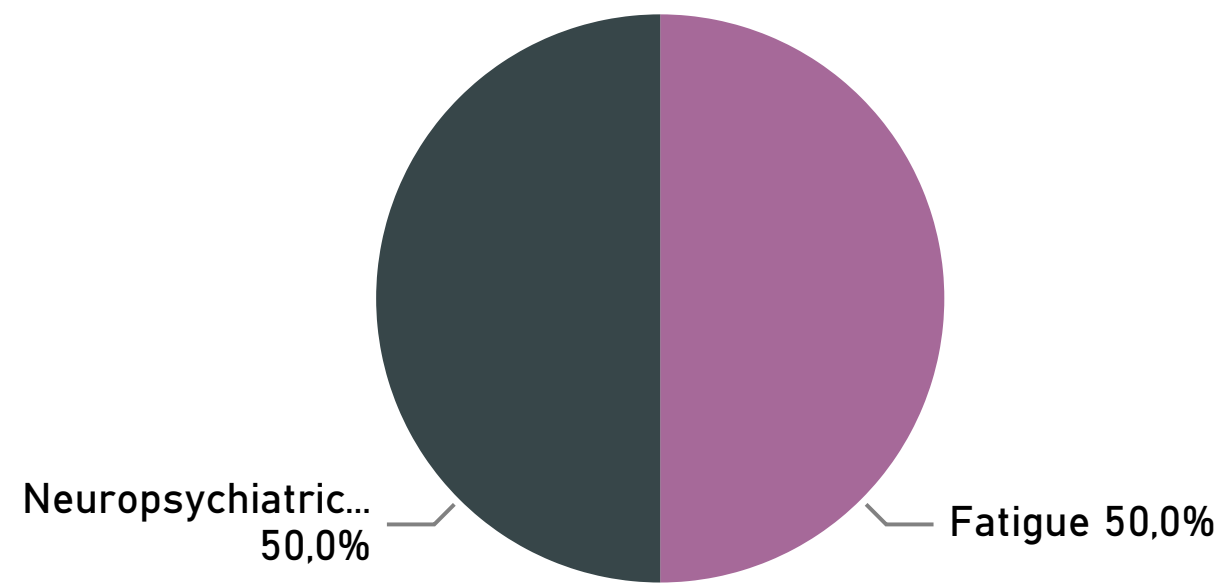
Age Distribution and Gender (Sporadic pHPT)



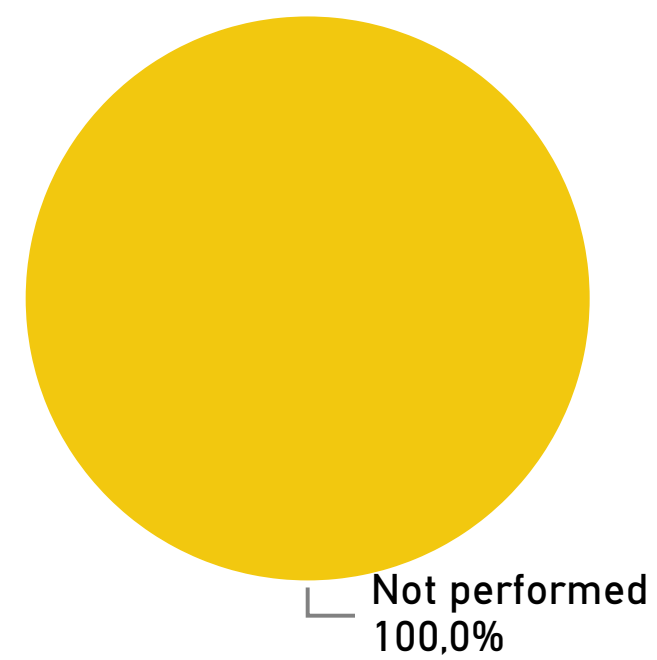
# Parathyroids

## Symptomatology and Preoperative Workup, Sporadic Disease, Primary Operations

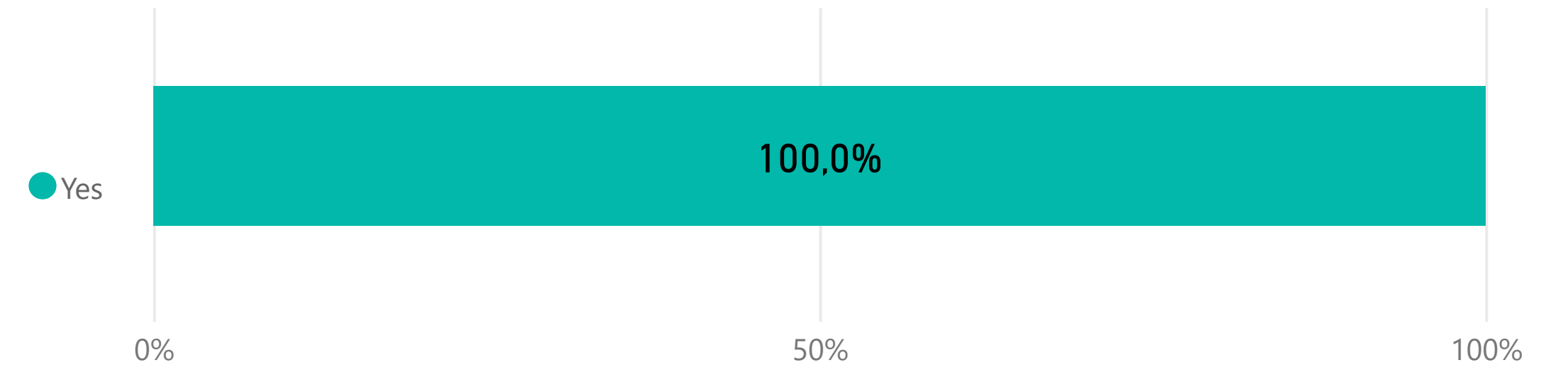
Preoperative Symptomatology



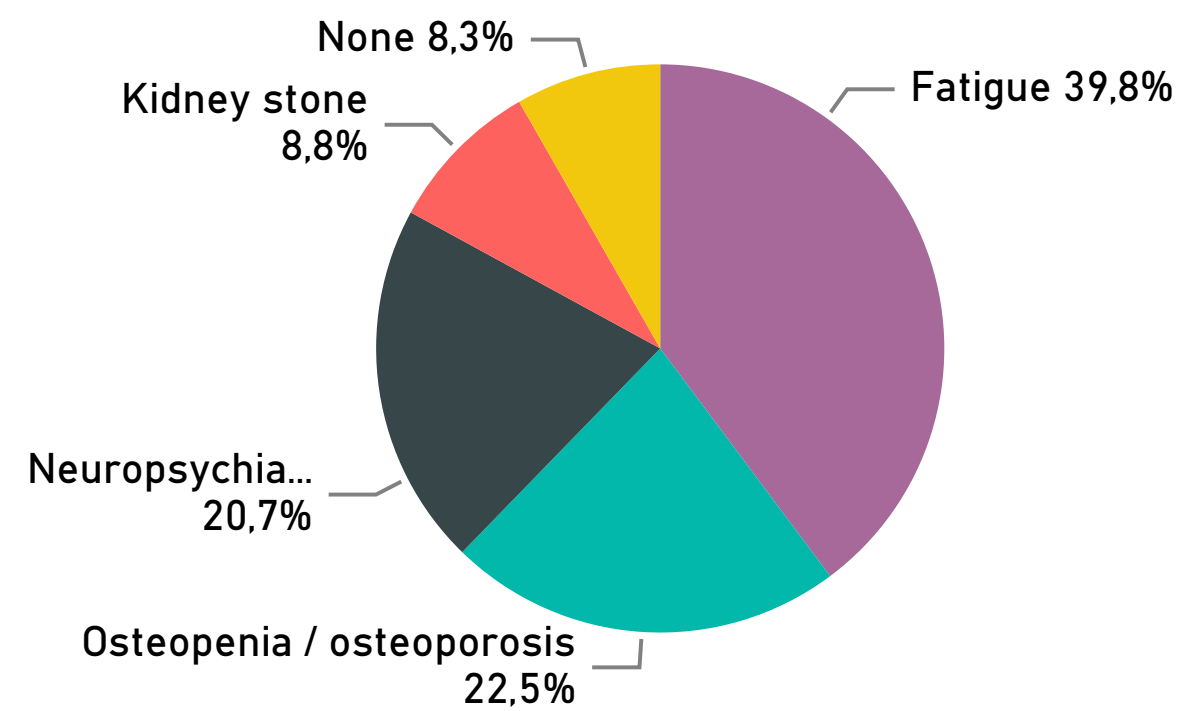
Preoperative Laryngoscopy



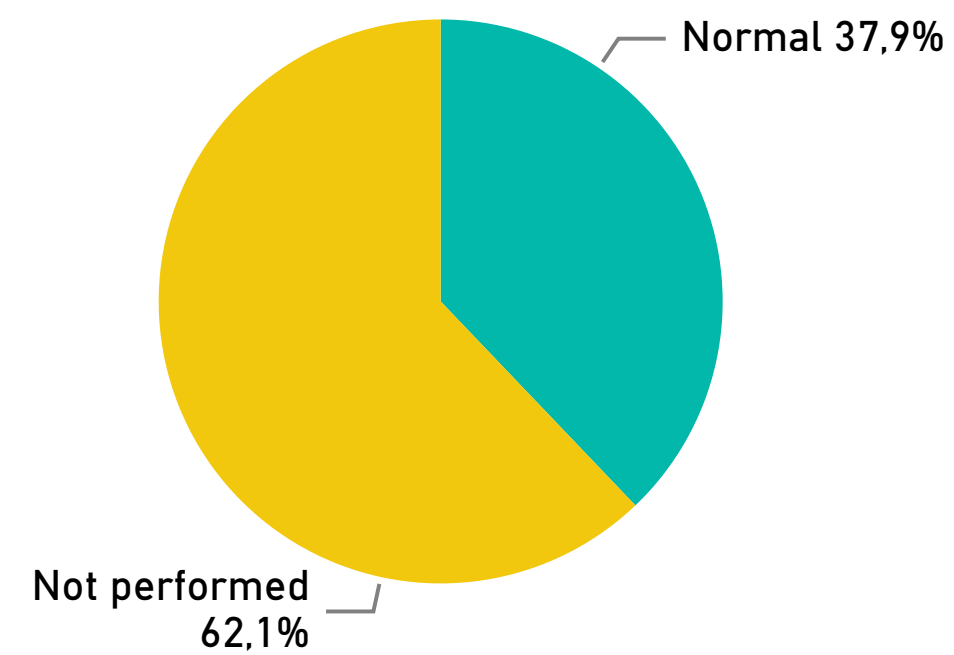
Localisation Examinations Performed



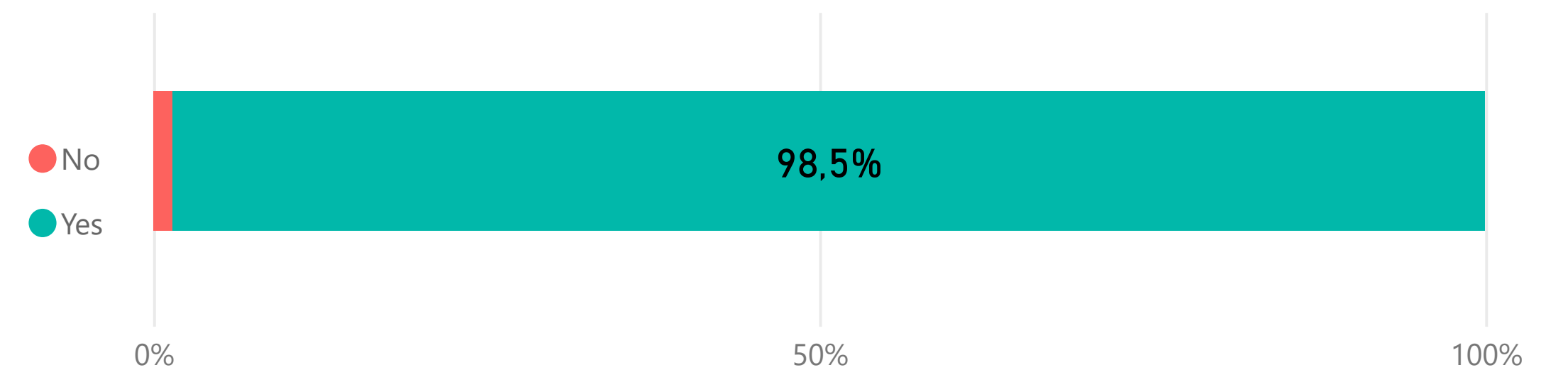
Preoperative Symptomatology



Preoperative Laryngoscopy



Localisation Examinations Performed

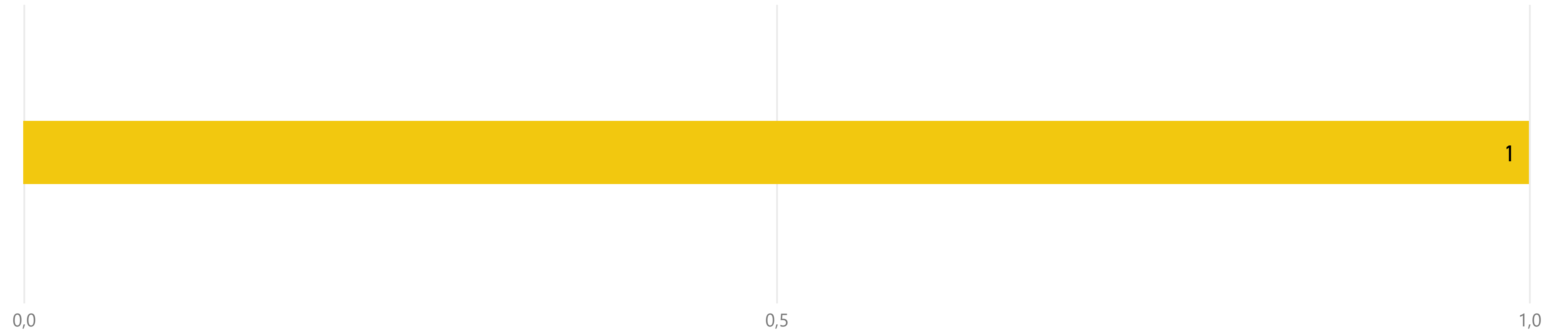


# Parathyroids

## Preoperative Imaging: Ultrasound, Sporadic Disease, Primary Operations

Preoperative Ultrasound in Relation to Intraoperative Finding

● False prediction of multiglandular disease in solitary adenoma



Preoperative Ultrasound in Relation to Intraoperative Finding

● (Tom)

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

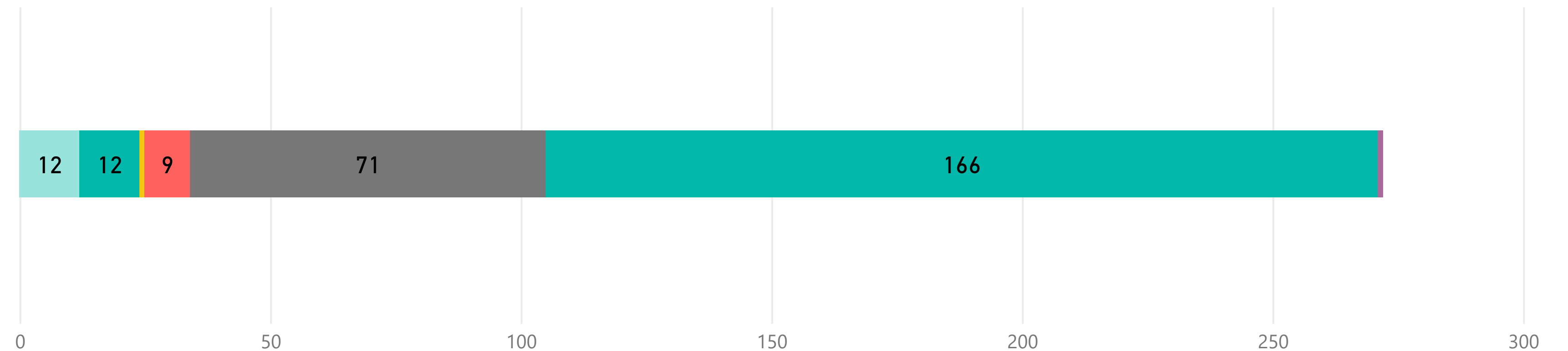
● False prediction of multiglandular disease in solitary adenoma

● 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



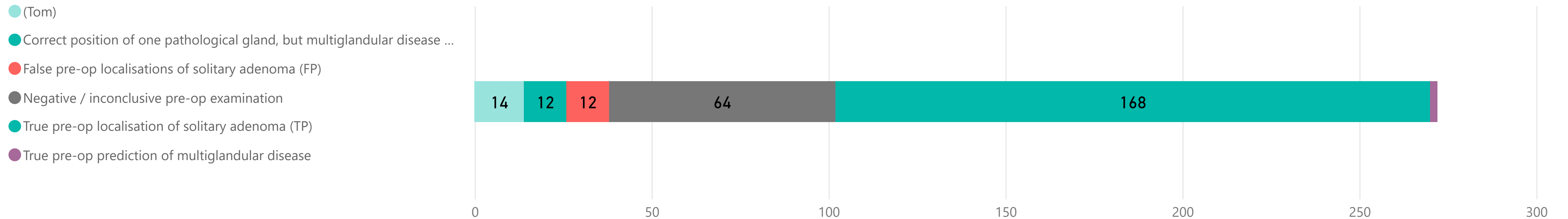
# Parathyroids

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

Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding



Preoperative Mibi-Scintigraphy in Relation to Intraoperative Finding

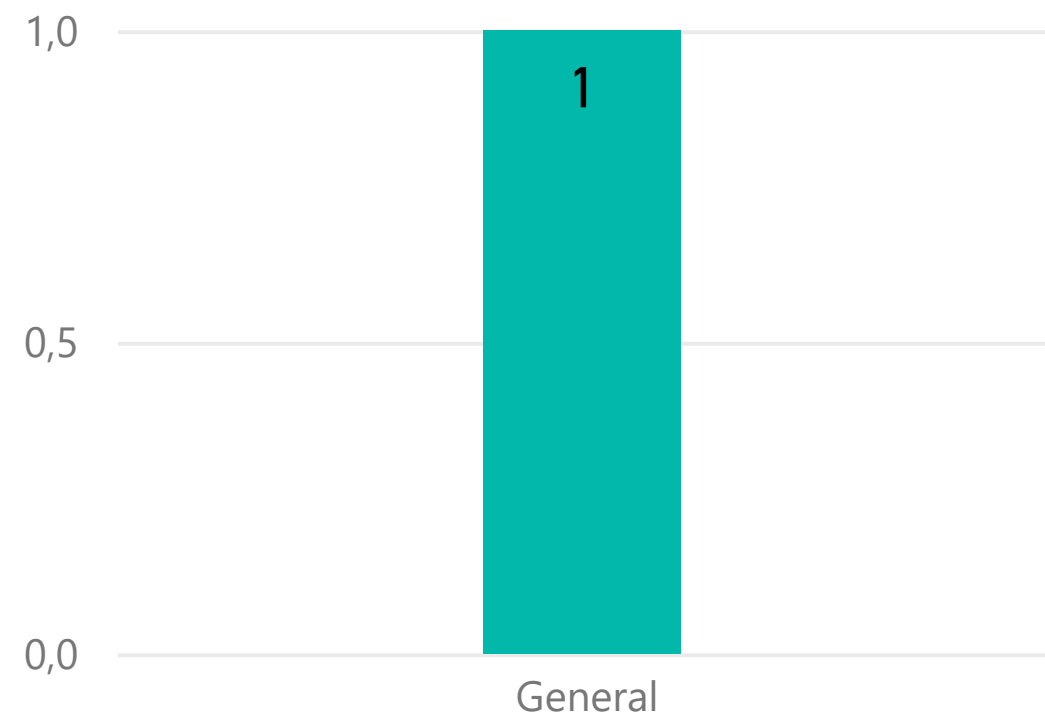


# Parathyroids

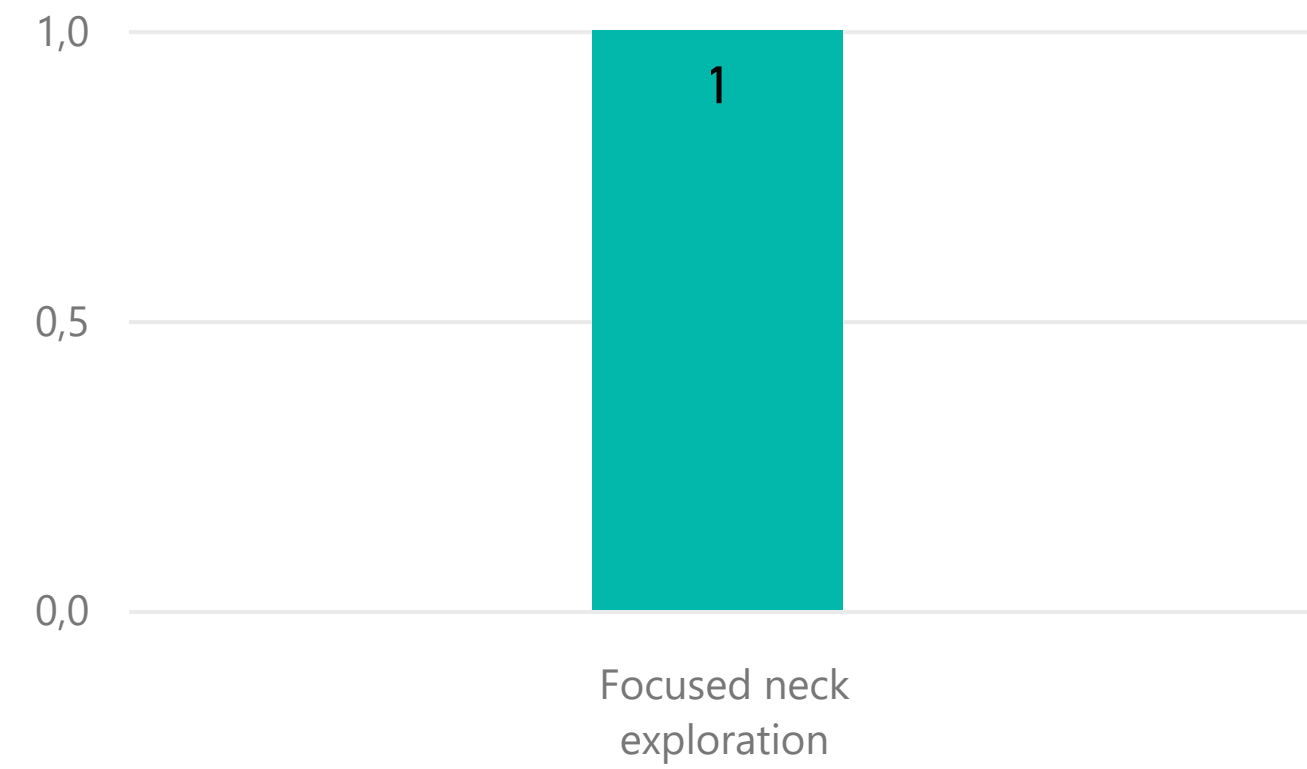
## Characteristics of Primary Operations, Sporadic Disease



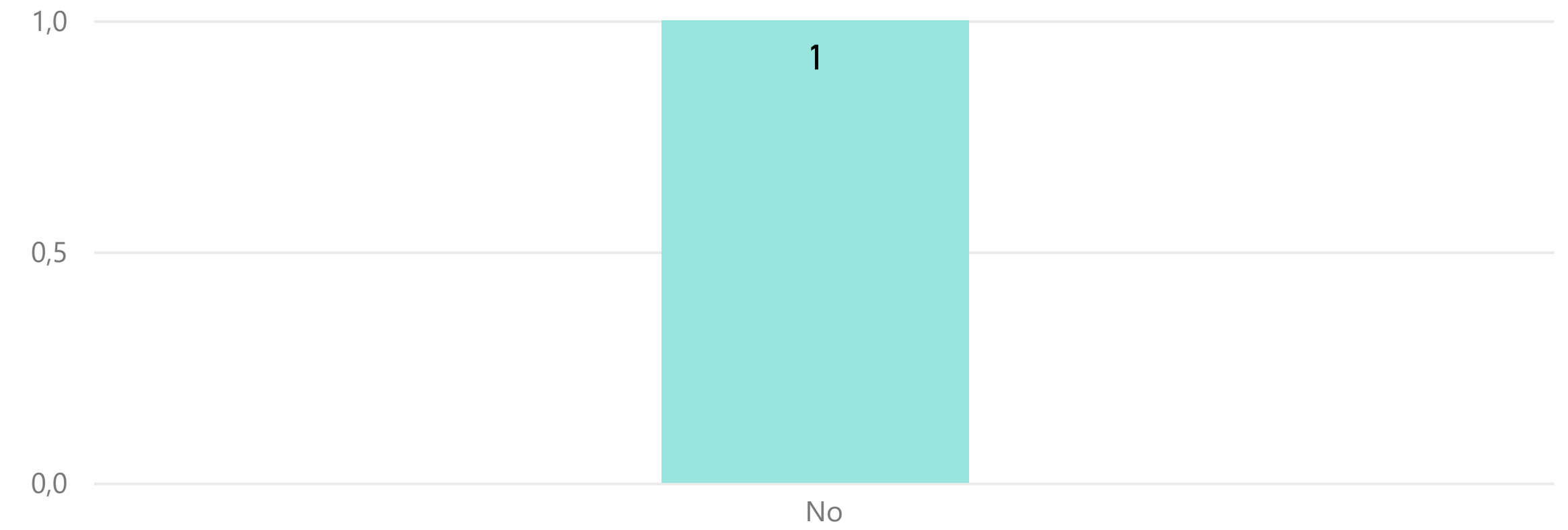
Type of Anesthesia



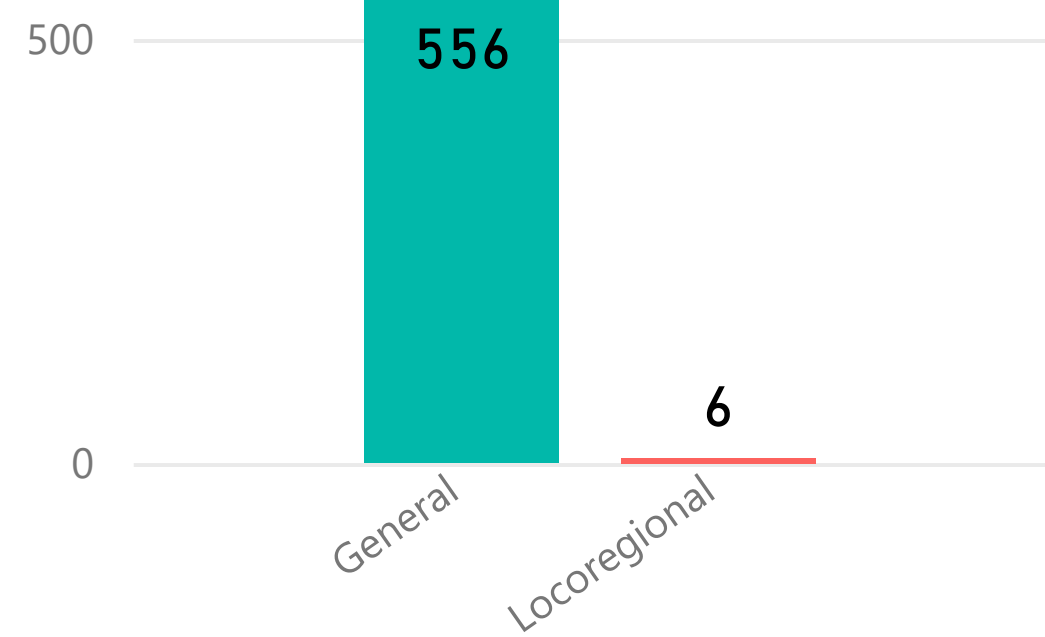
Type of Approach



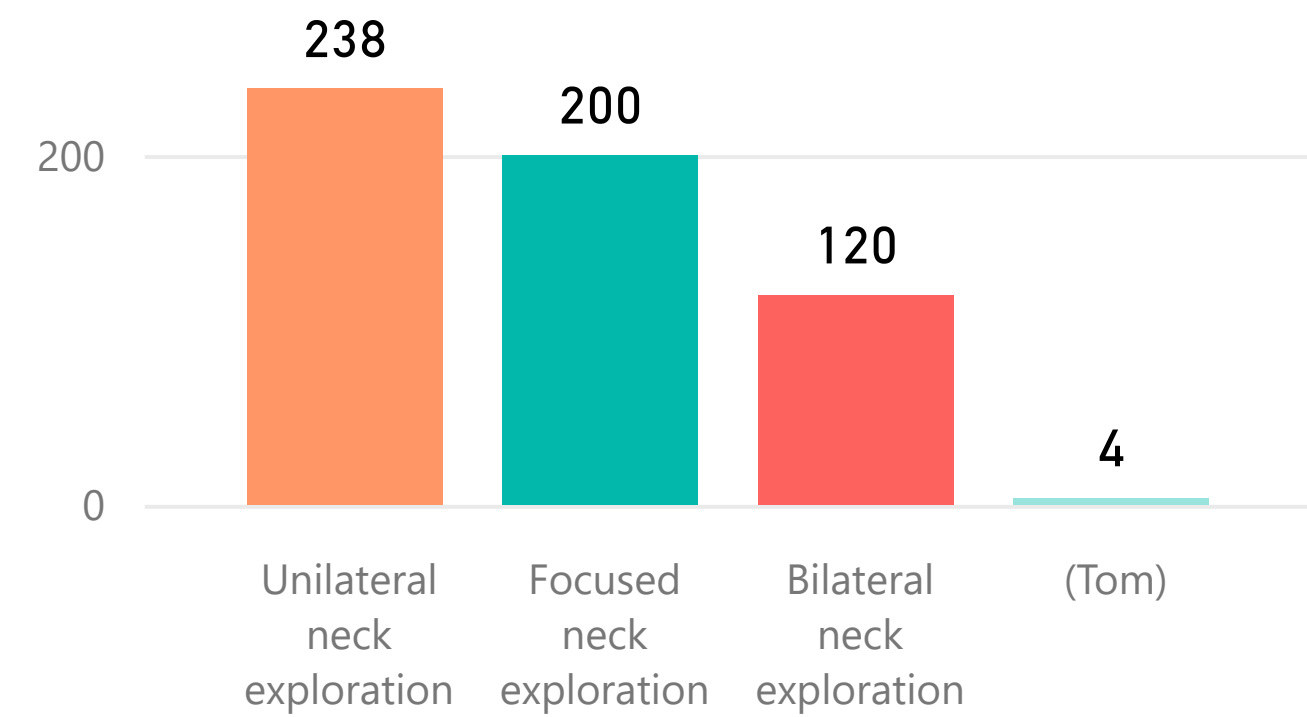
Concomittant Thyroid Resection



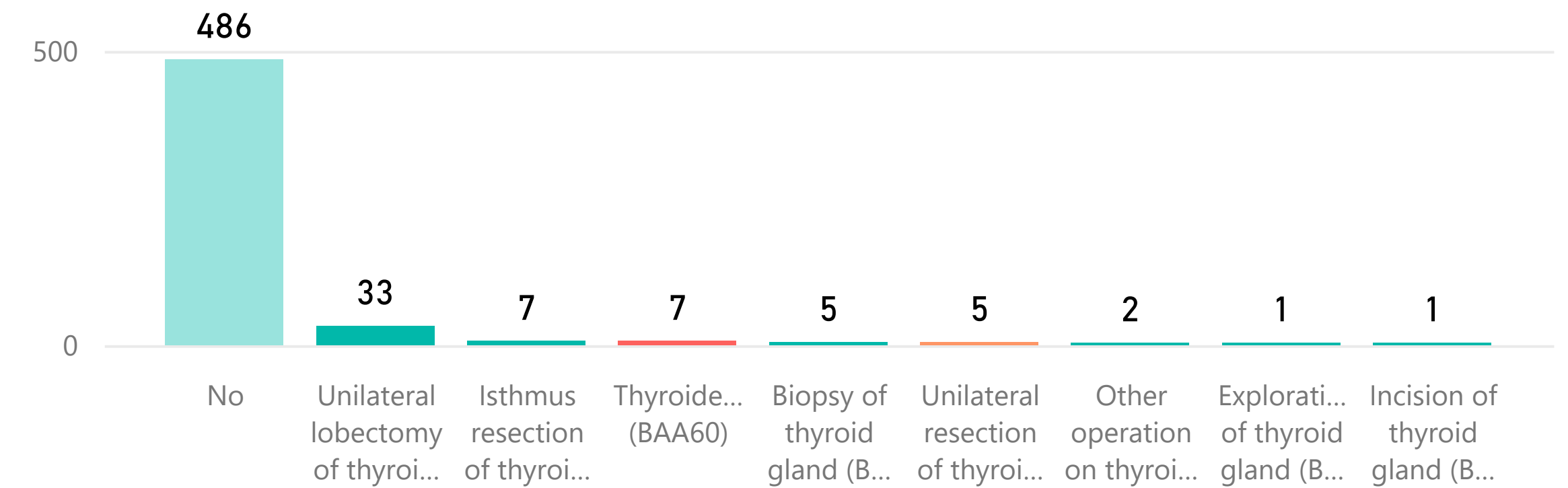
Type of Anesthesia



Type of Approach



Concomittant Thyroid Resection

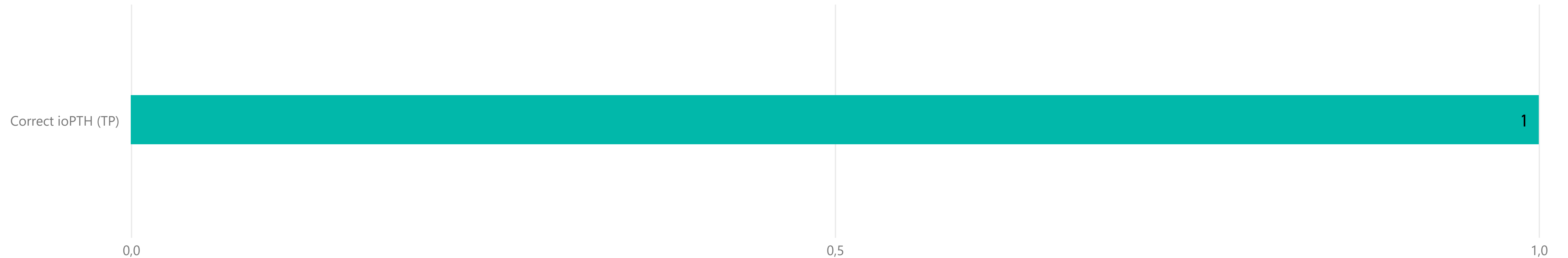


# Parathyroids

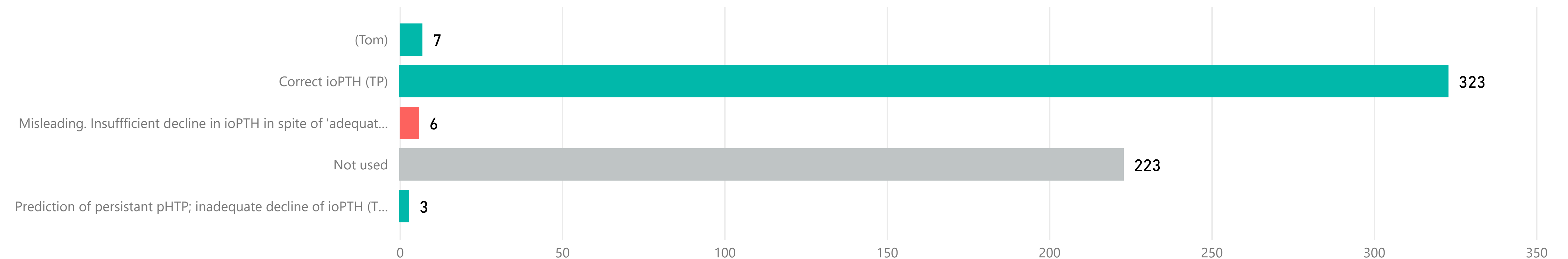
## Characteristics of Primary Operations for Sporadic pHPT: Results of PTH-Monitoring



PTH-Monitoring Results



PTH-Monitoring Results





# Parathyroids

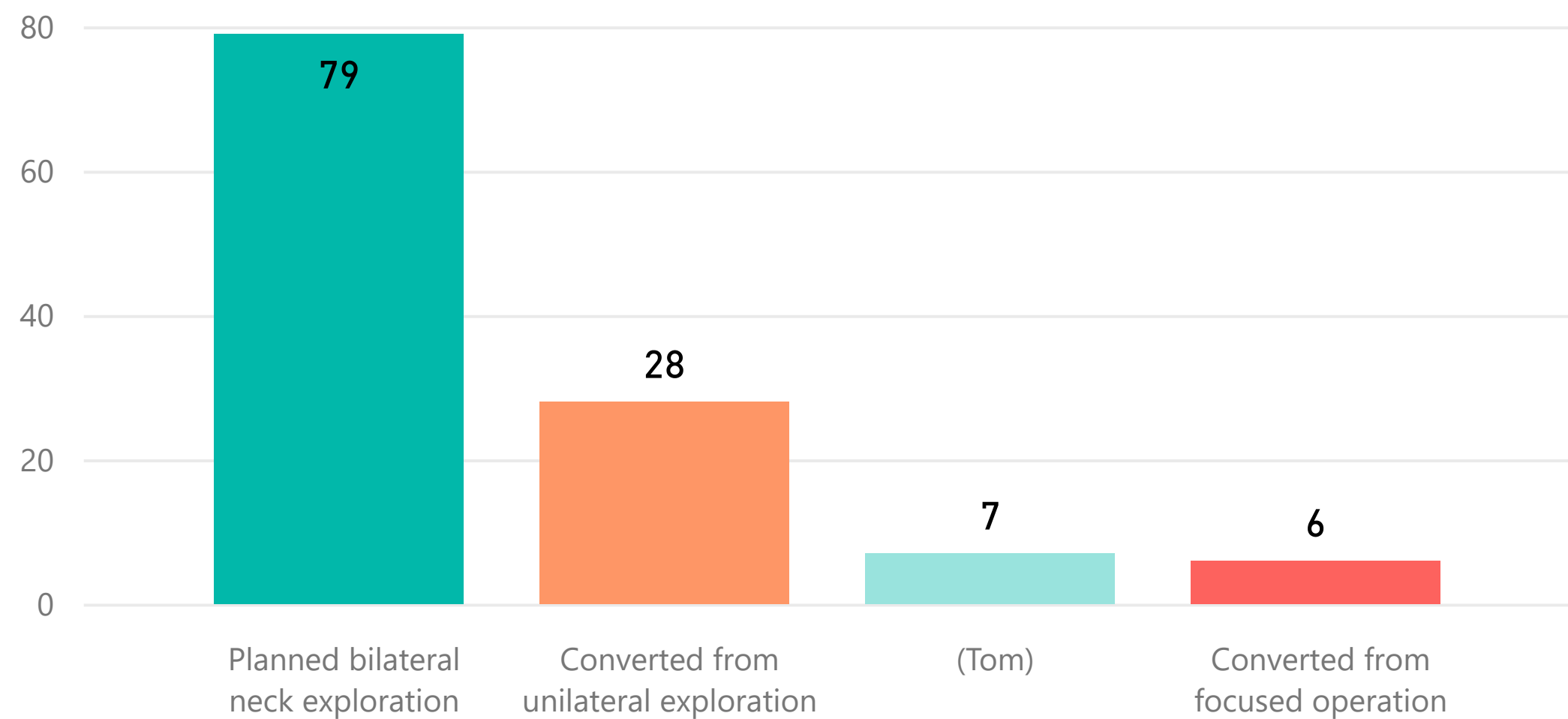
## Characteristics of Bilateral Explorations in Sporadic and Hereditary Disease (Primary Operations)



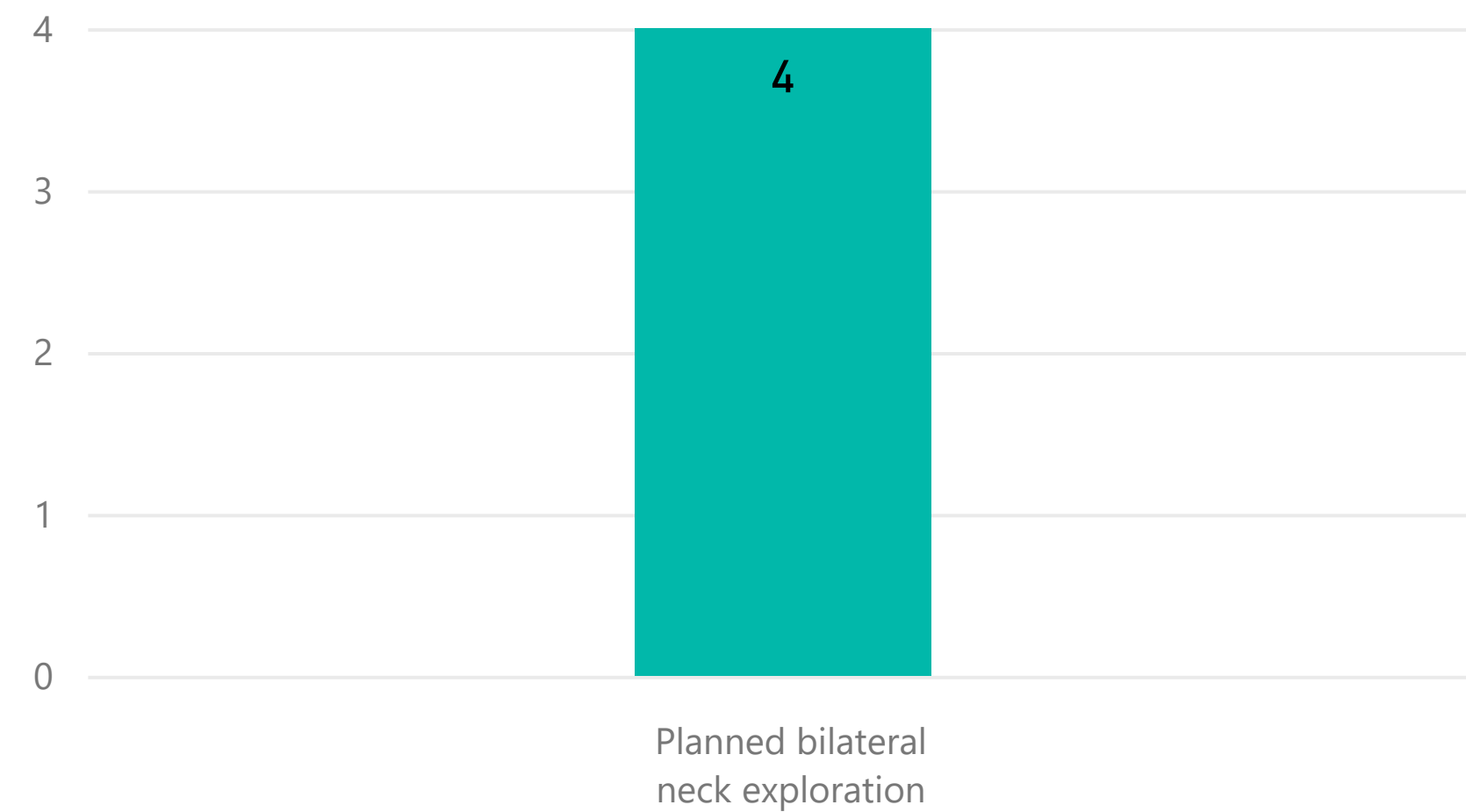
Starting Point of Bilateral Explorations in Sporadic Disease

Starting Point of Bilateral Explorations in Hereditary Disease

Starting Point of Bilateral Explorations in Sporadic Disease



Starting Point of Bilateral Explorations in Hereditary Disease



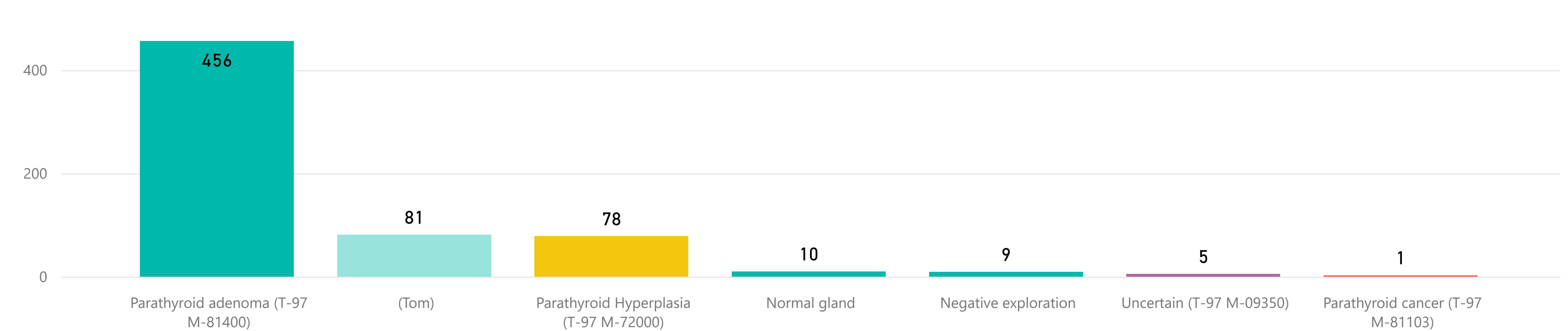
# Parathyroids

## Histopathology Results

### Histology (All Etiologies)

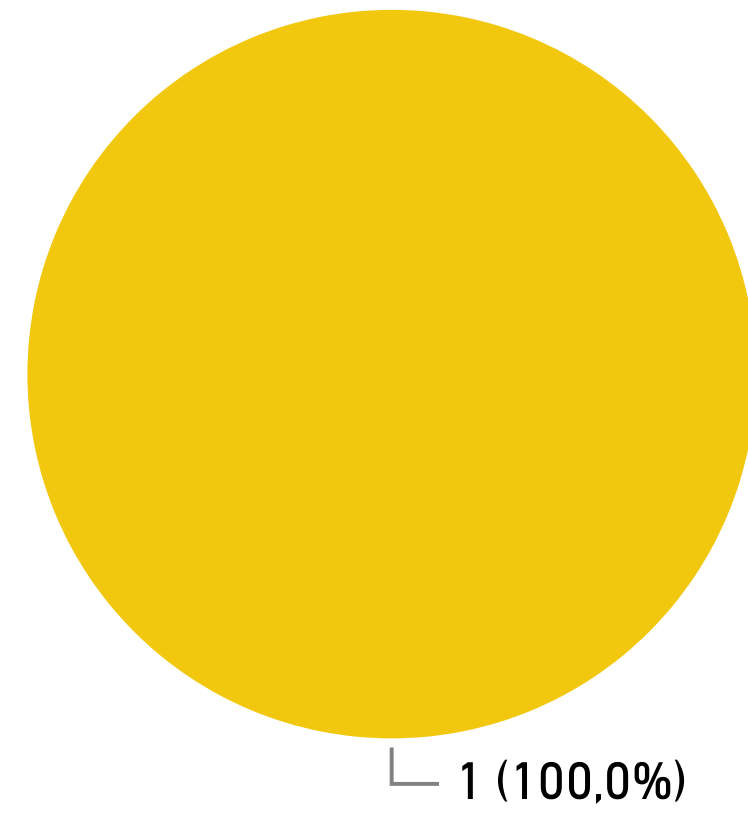


### Histology (All Etiologies)



Postoperative Laryngoscopy

● Not performed



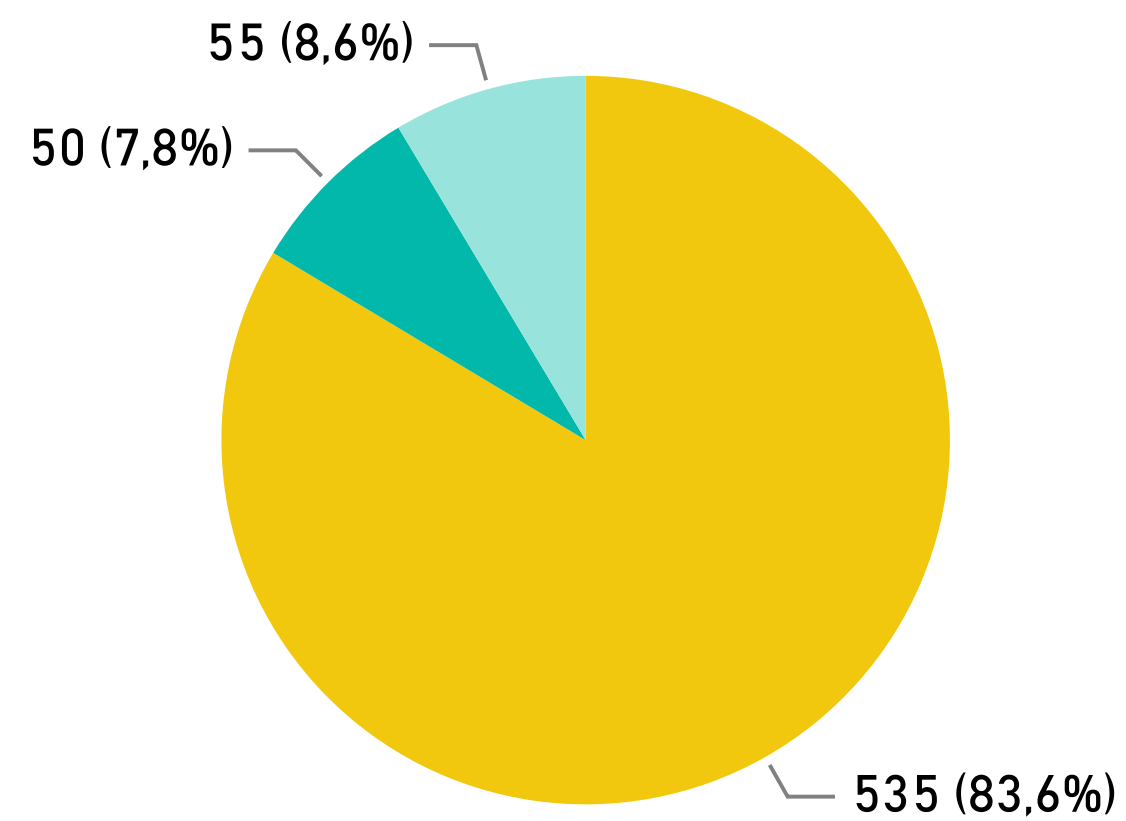
Postoperative Laryngoscopy	n	%
Not performed	1	100,00%
<b>Totalt</b>	<b>1</b>	<b>100,00%</b>

Postoperative Laryngoscopy

● Not performed

● Normal

● (Tom)



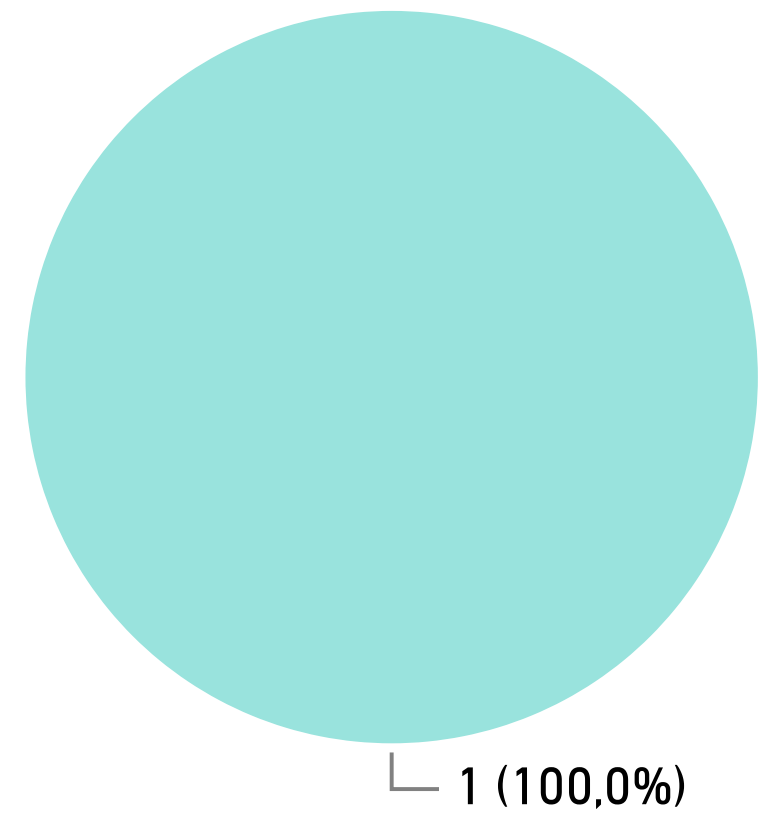
Postoperative Laryngoscopy	n	%
Normal	55	8,59%
Normal	50	7,81%
Not performed	535	83,59%
<b>Totalt</b>	<b>640</b>	<b>100,00%</b>

# Parathyroids

## Laryngoscopy at Follow-up (F2)

### Laryngoscopy at Longterm Follow-up (F2)

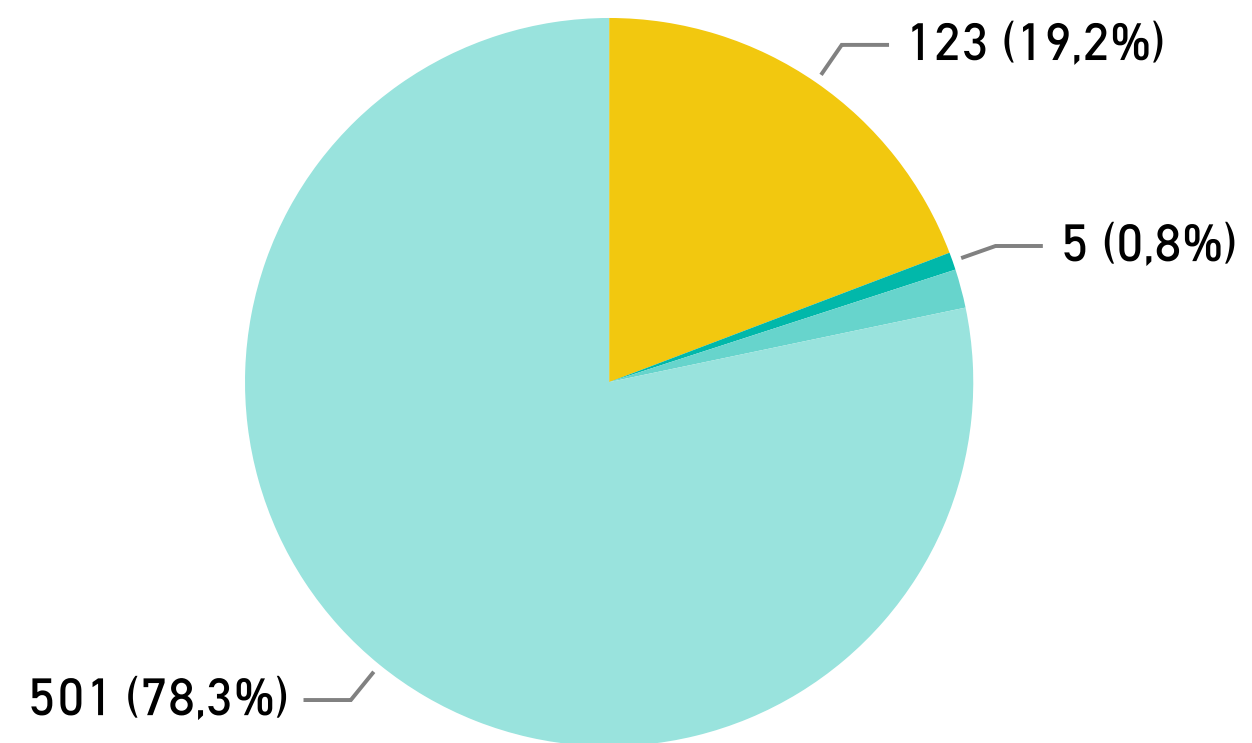
(Tom)



Laryngoscopy at Follow-up	n	%
▲	1	100,00%
<b>Totalt</b>	<b>1</b>	<b>100,00%</b>

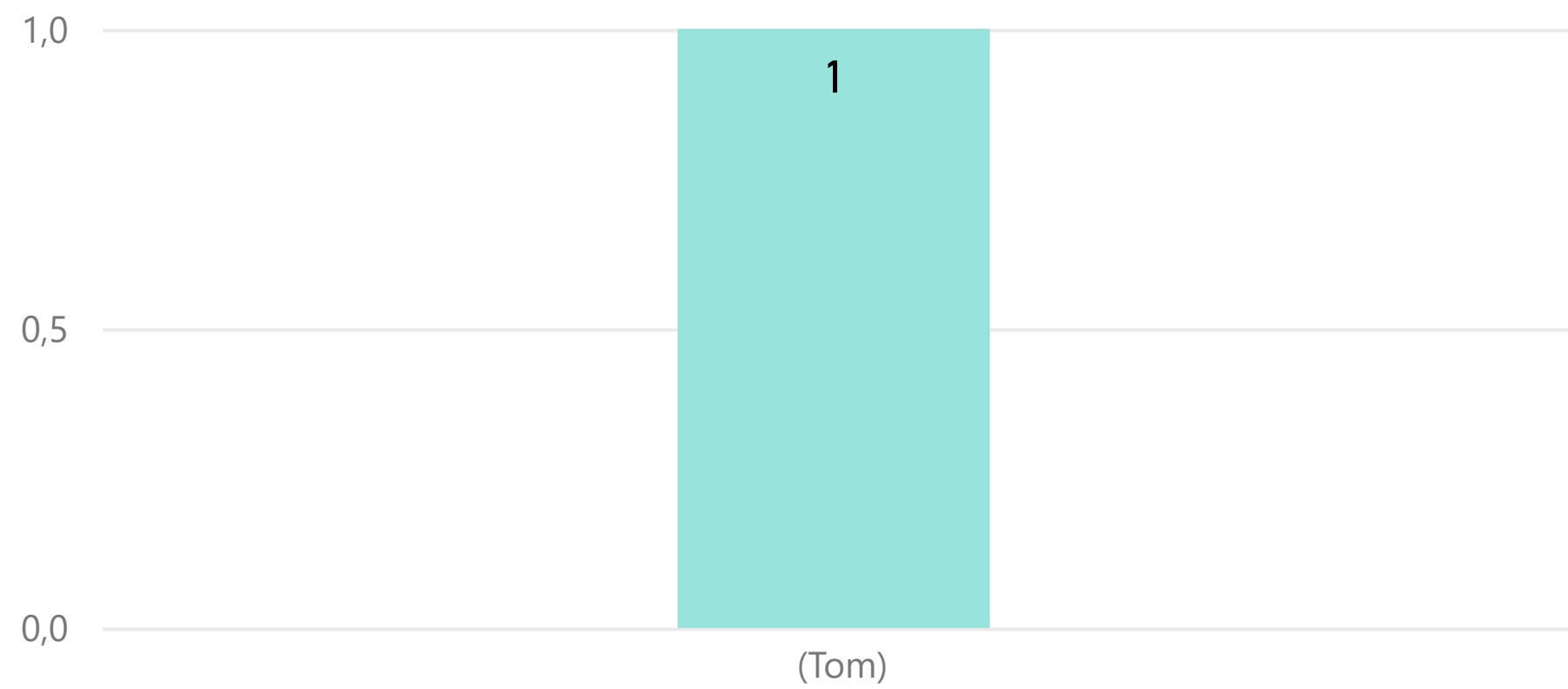
### Laryngoscopy at Longterm Follow-up (F2)

- Not performed
- Normal
- No data available
- (Tom)



Laryngoscopy at Follow-up	n	%
▲	501	78,28%
No data available	11	1,72%
Normal	5	0,78%
Not performed	123	19,22%
<b>Totalt</b>	<b>640</b>	<b>100,00%</b>

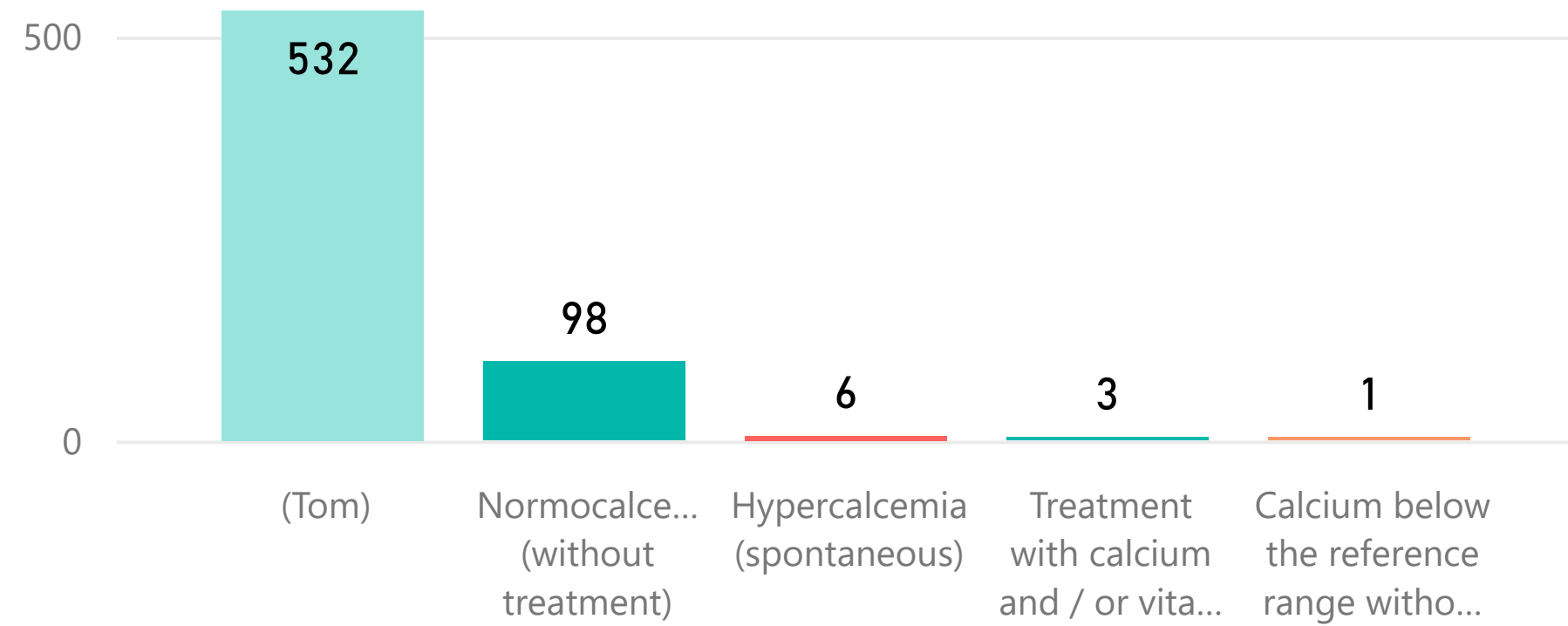
Calcium Status



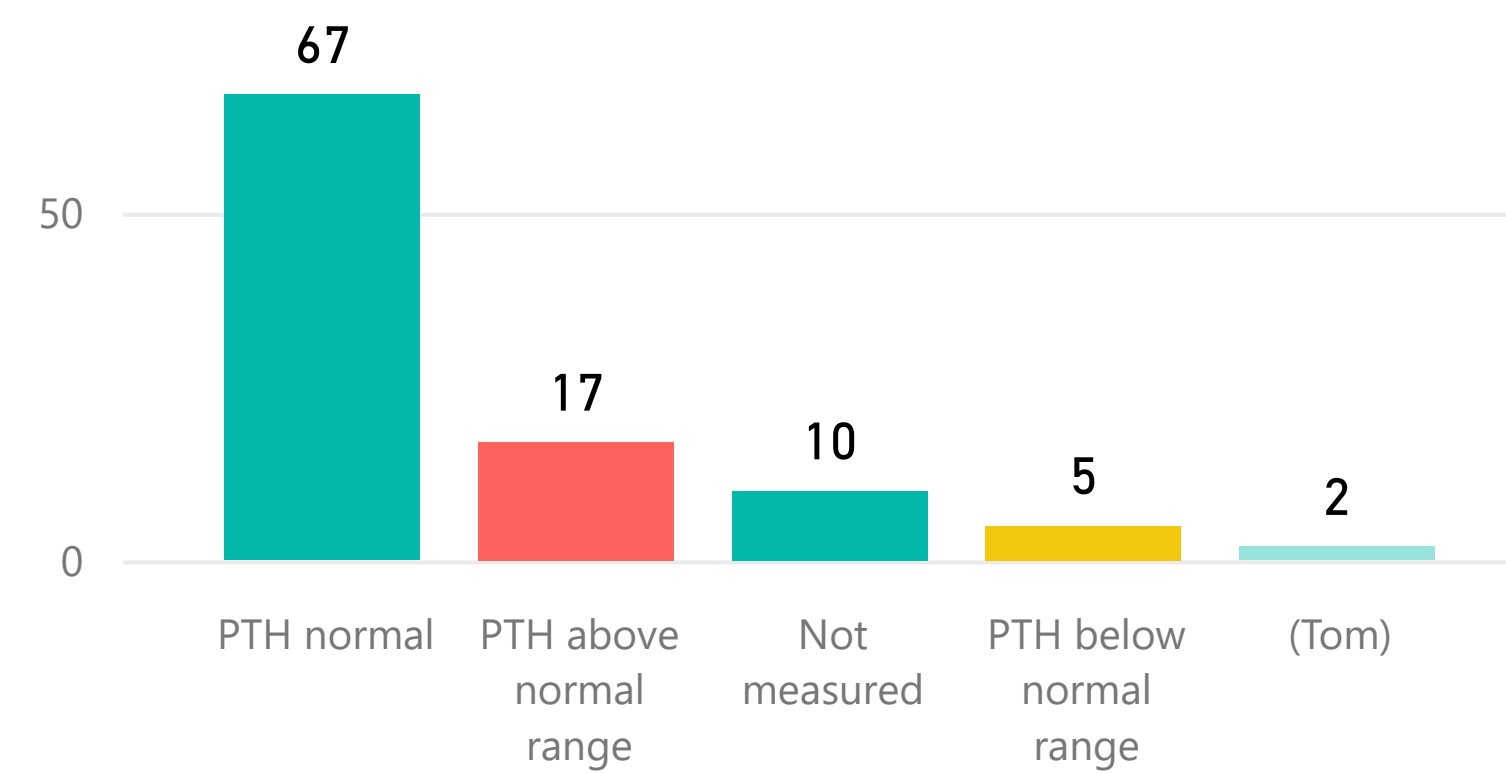
PTH Status of Normocalcemic Patients or Patients on Ca / Vit D

PTH Status of Hypercalcemic Patients

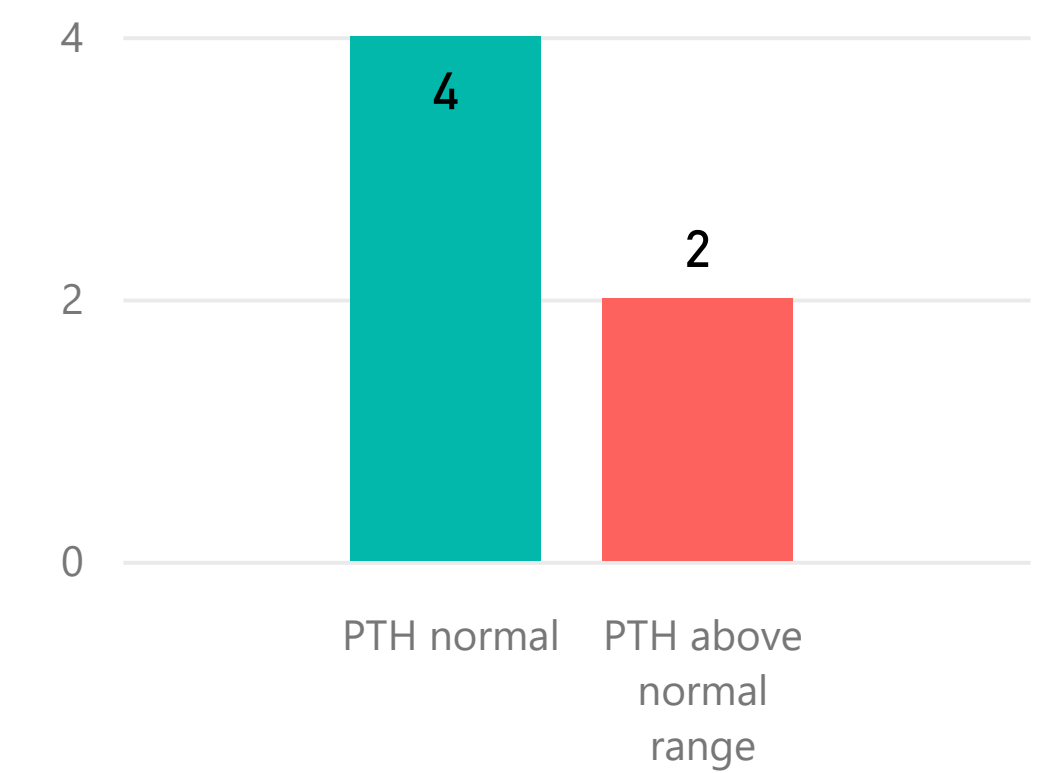
Calcium Status



PTH Status of Normocalcemic Patients or Patients on Ca / Vit D



PTH Status of Hypercalcemic Patients

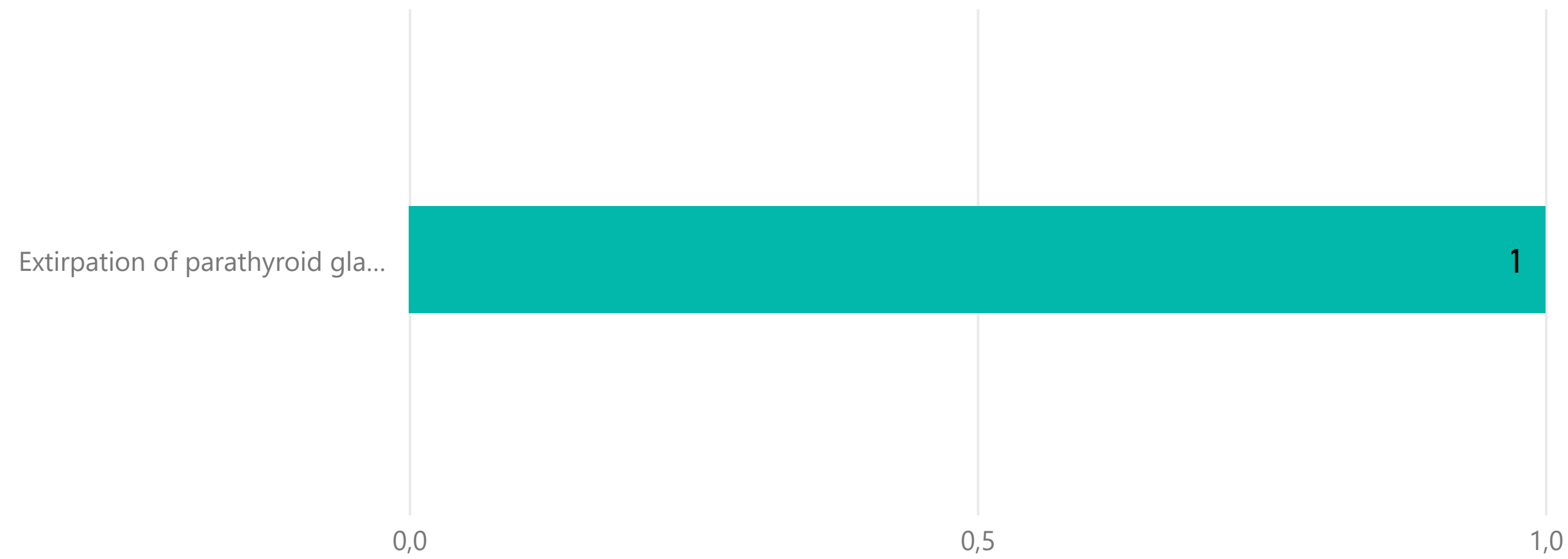


# Parathyroids

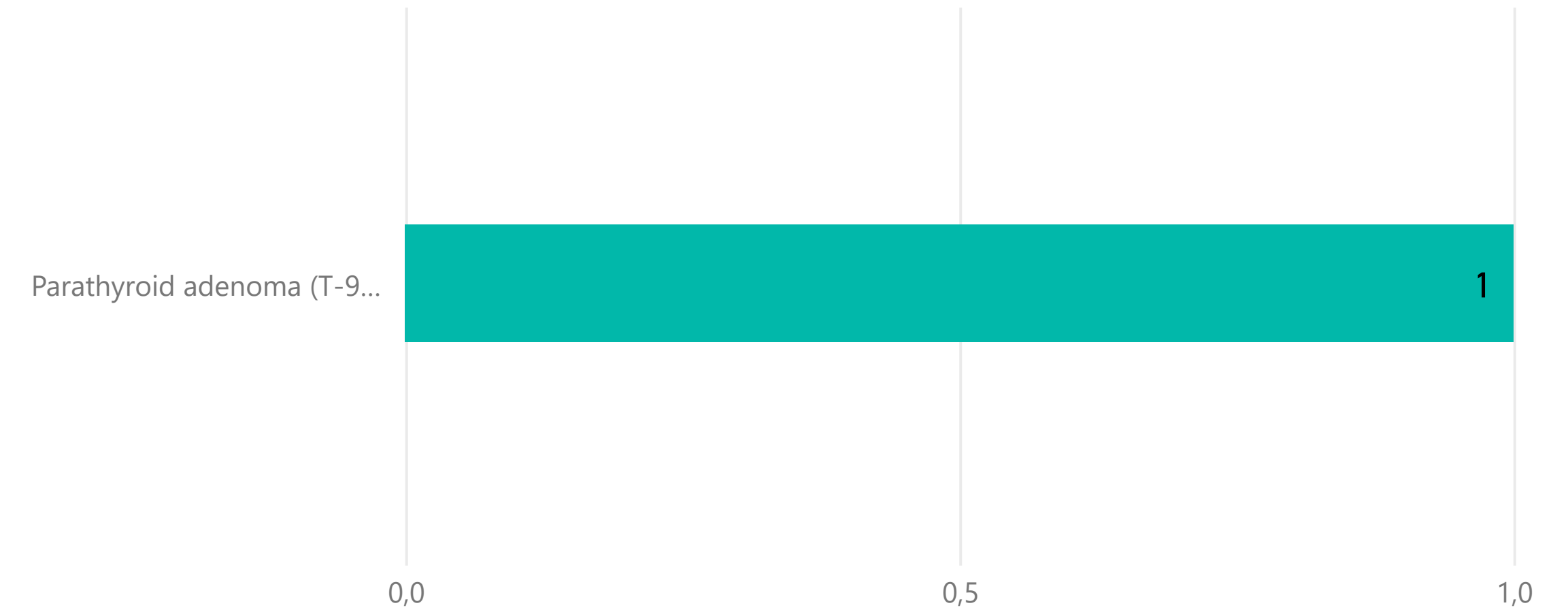
Potentially Negative Explorations with Possible Disease Persistence based on Selected Type of Operation or Main Histological Diagnosis



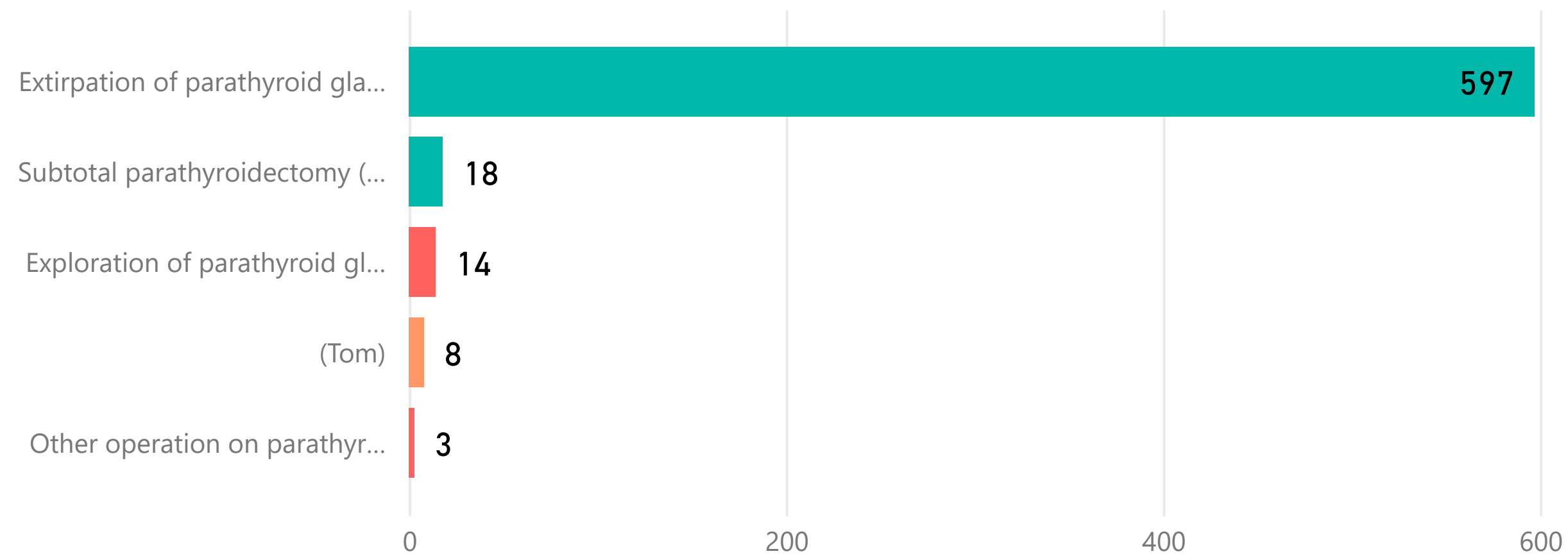
based on Selected Type of Operation



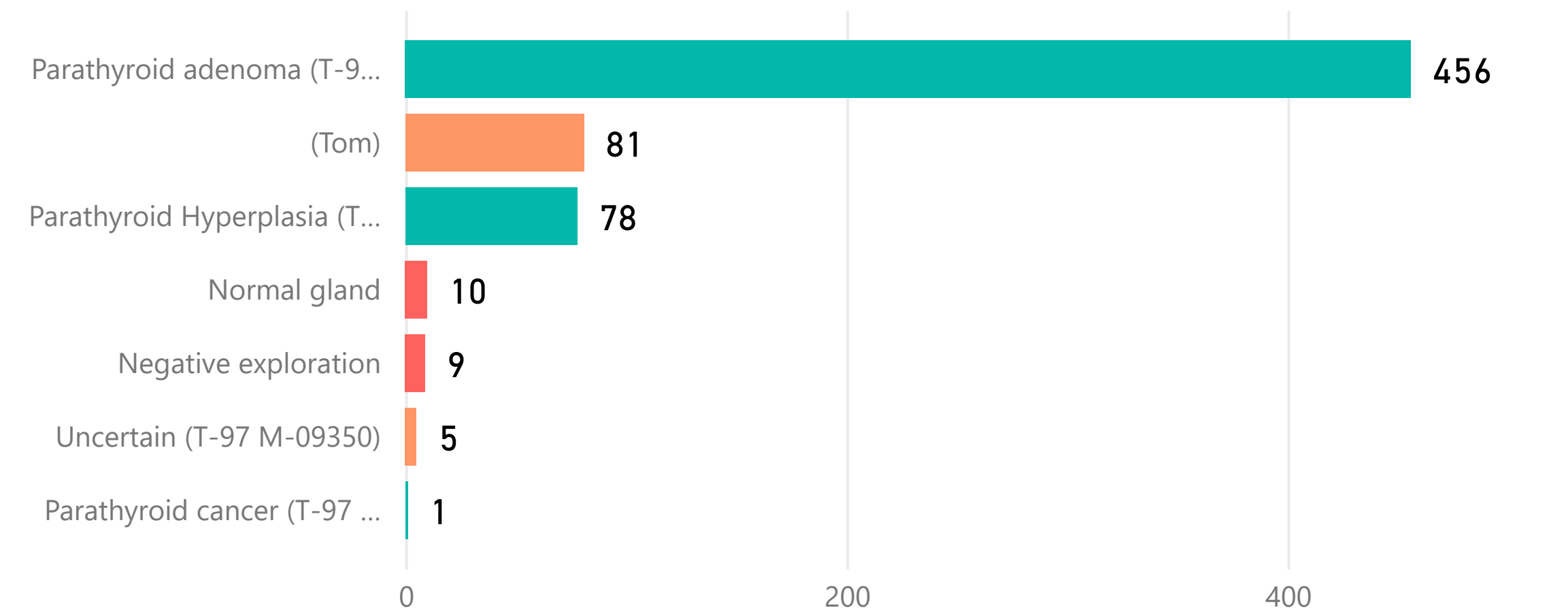
based on Selected Histological Main Diagnosis



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

