

# 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, Luleå
- Kirurgiska kliniken, Lund
- Kirurgiska kliniken, Norrköping

## Investigated Year

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

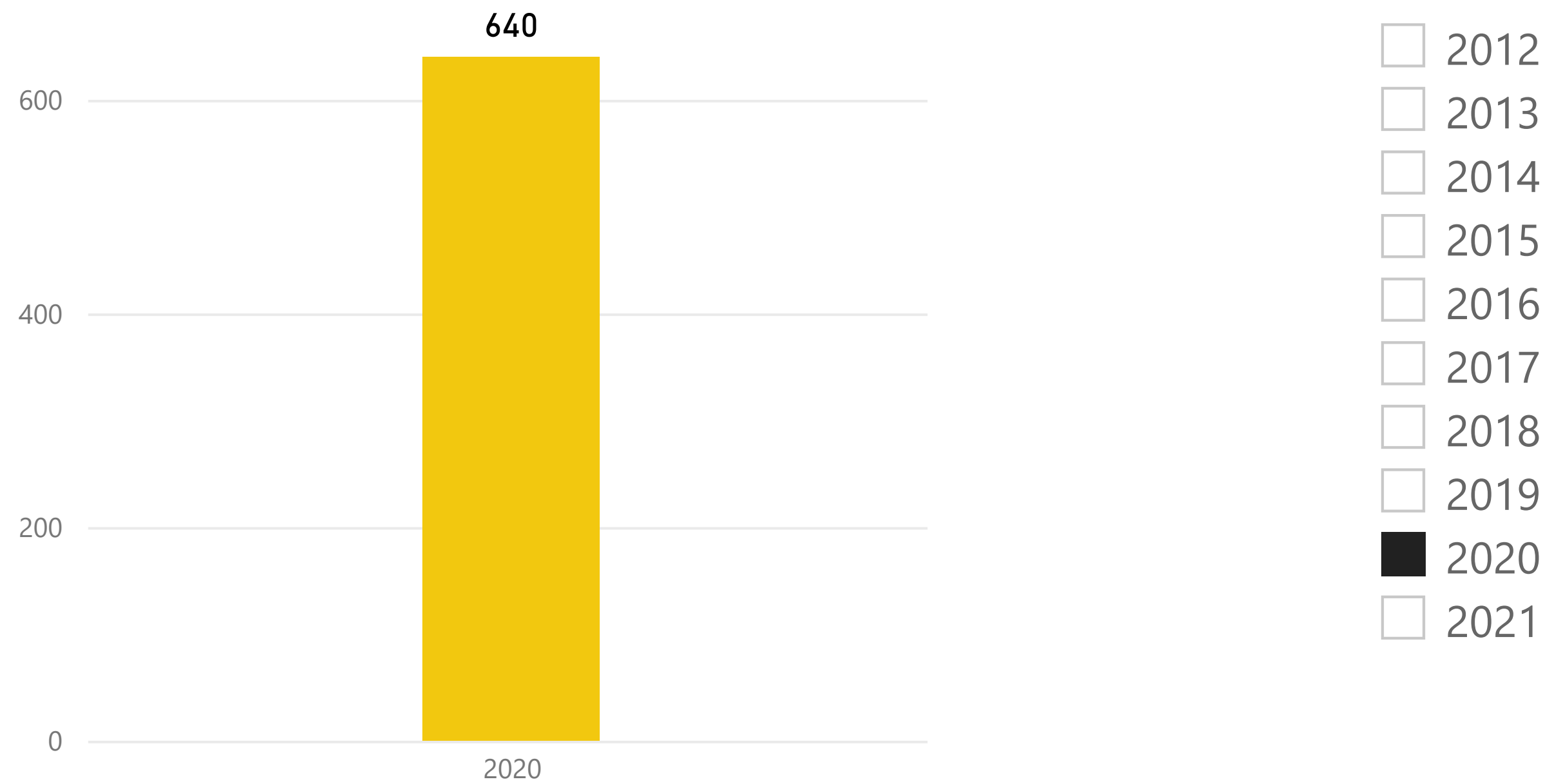
# EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Registered Parathyroid Operations  
in Your Clinic

Registered Parathyroid Operations in  
Other EUROCRINE Clinics of Your Country

Investigated Year



Color Coding in this Report:

Your Clinic

Other EUROCRINE Clinics in Your Country

# Parathyroids

## Ethiology, Age Distribution



Etiology

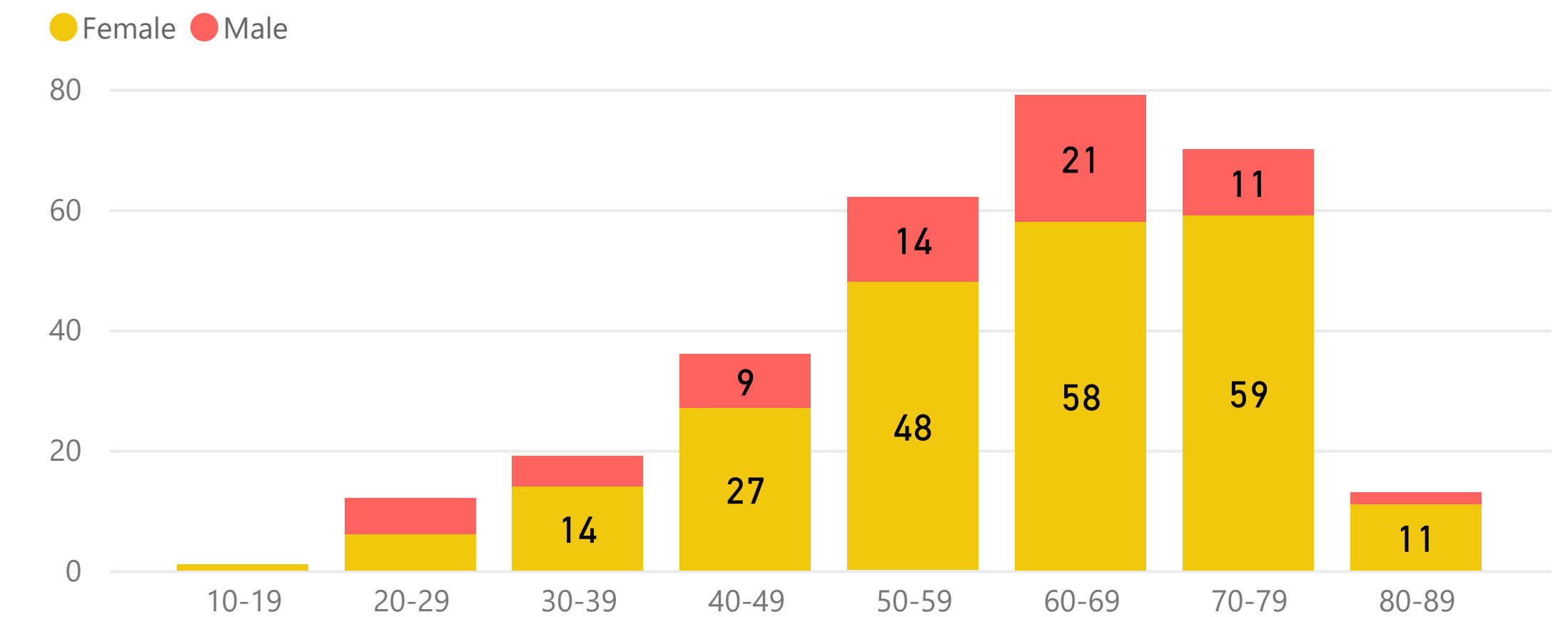
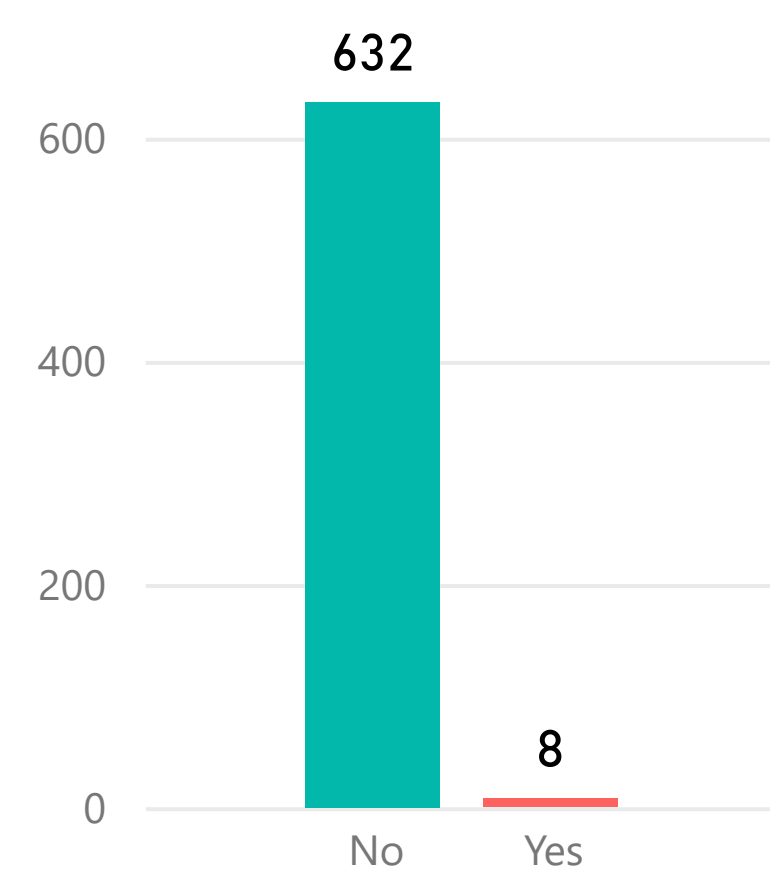
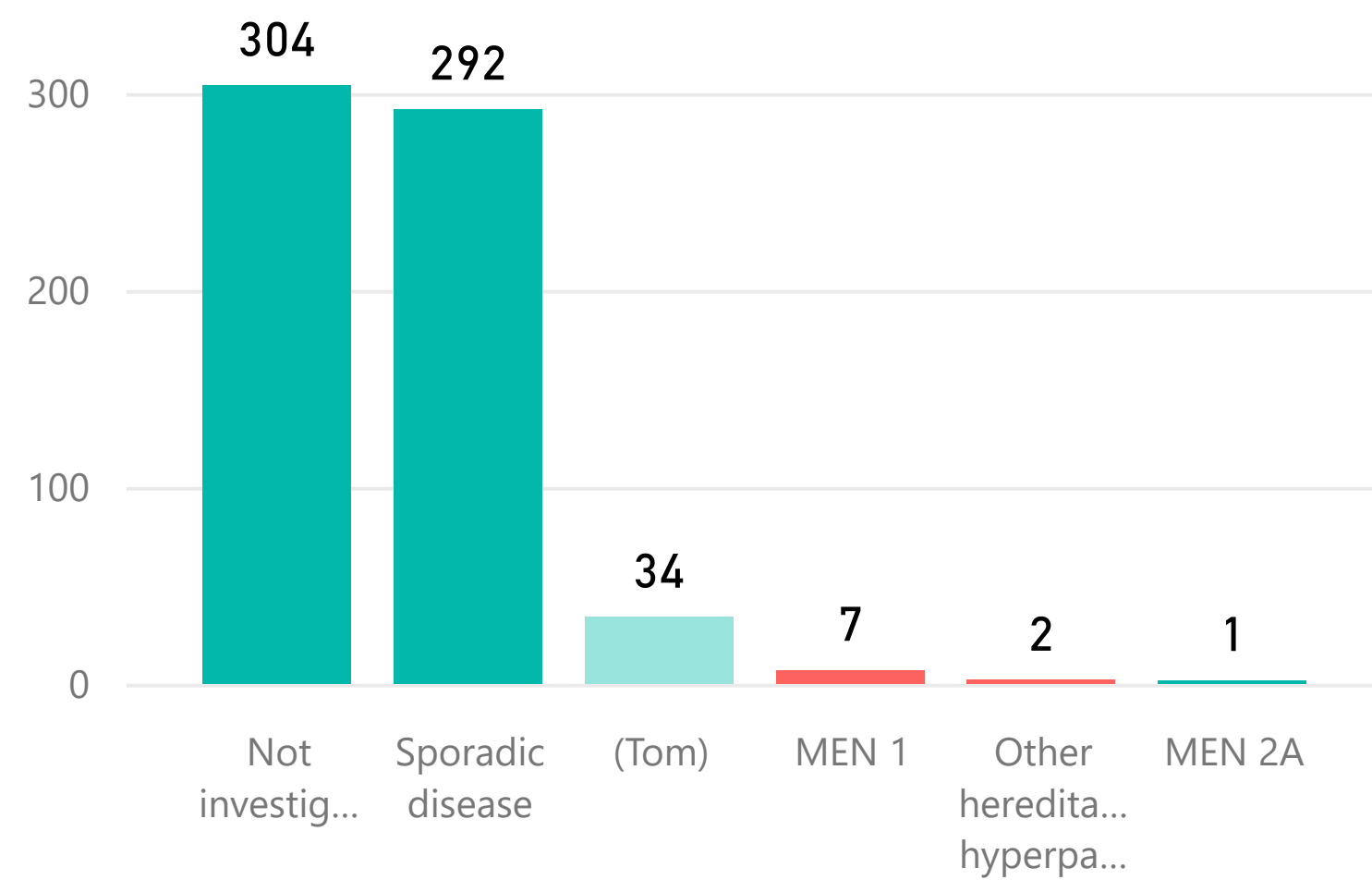
Lithium - Therapy

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

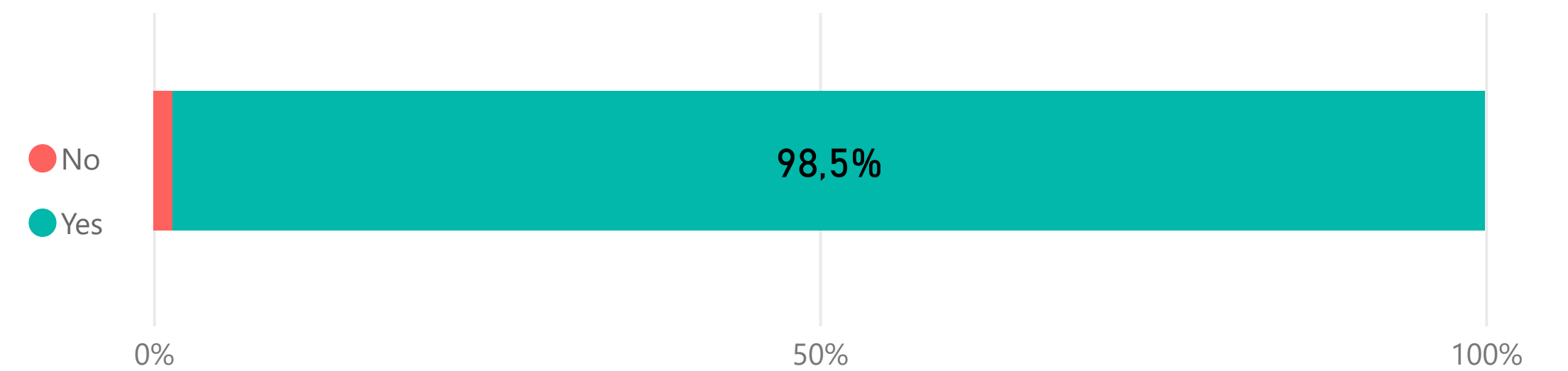
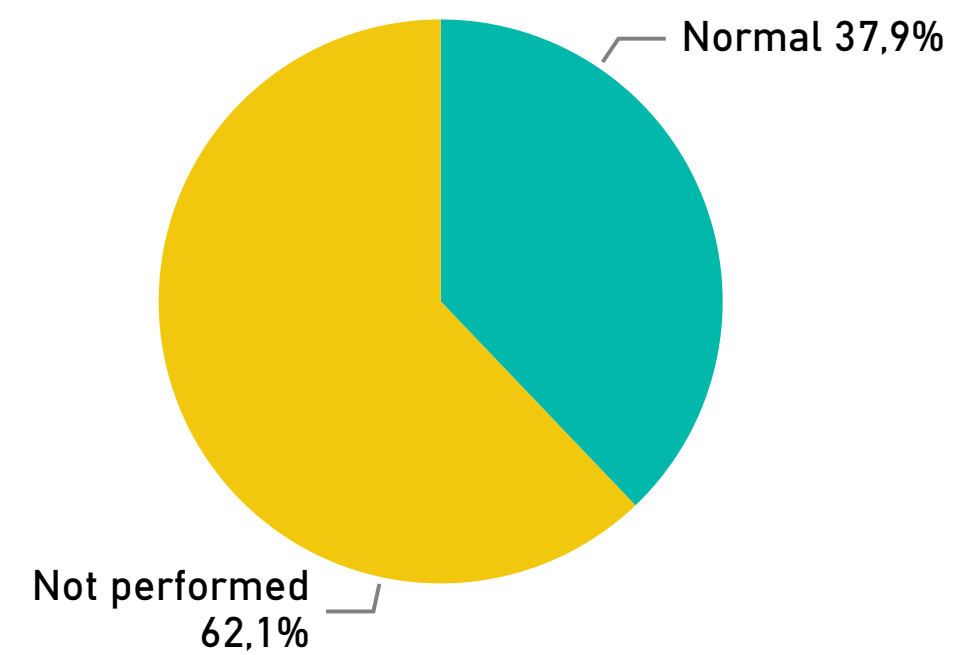
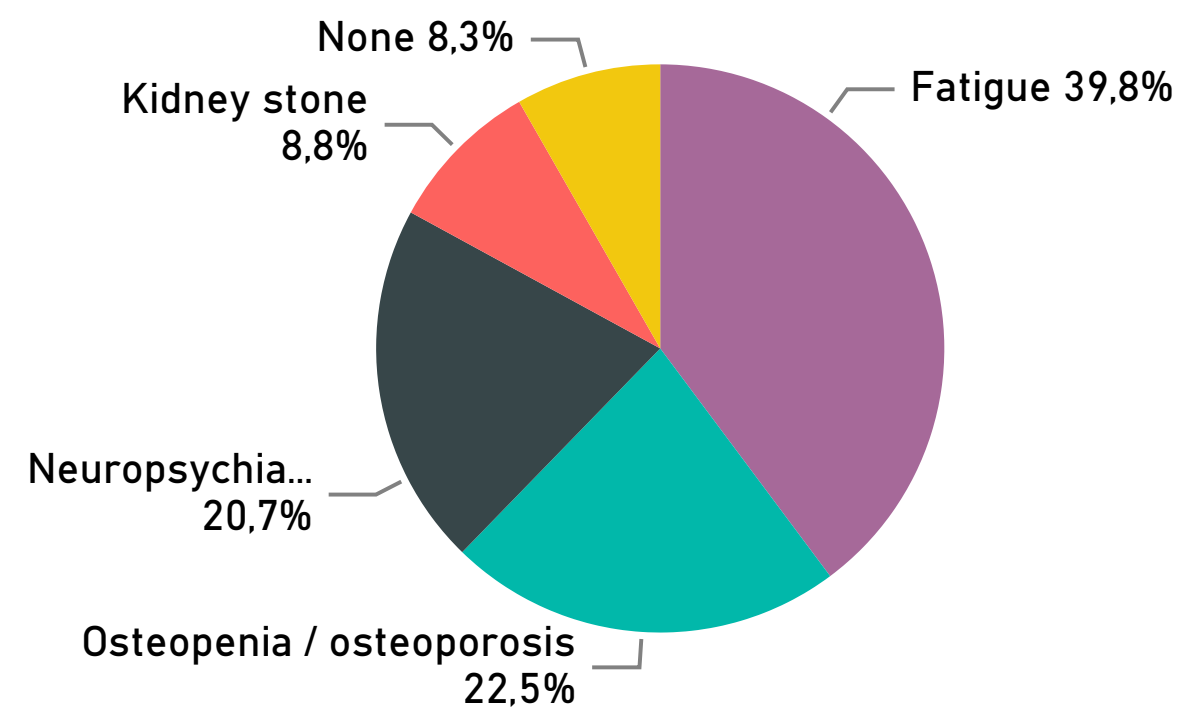
Preoperative Laryngoscopy

Localisation Examinations Performed

Preoperative Symptomatology

Preoperative Laryngoscopy

Localisation Examinations Performed



# Parathyroids

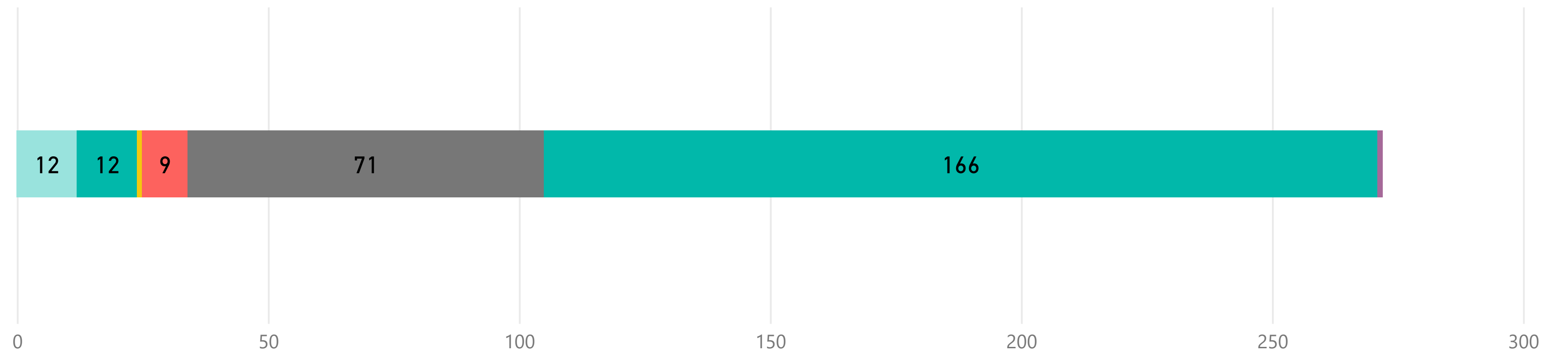
Preoperative Imaging: Ultrasound, Sporadic Disease, Primary Operations



## Preoperative Ultrasound in Relation to Intraoperative Finding

## 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



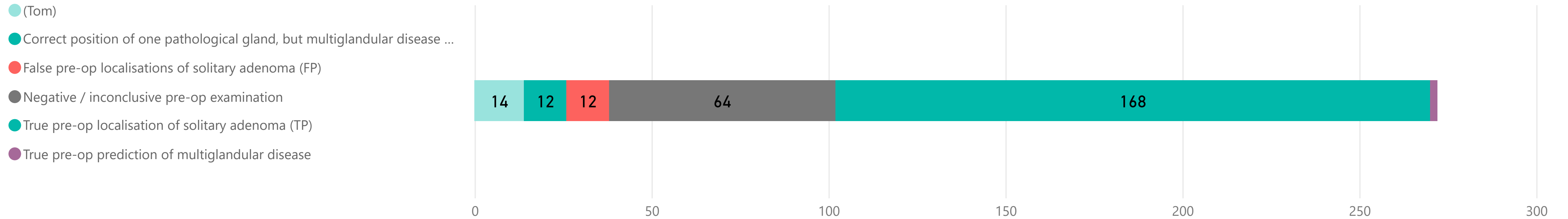
# Parathyroids

## 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

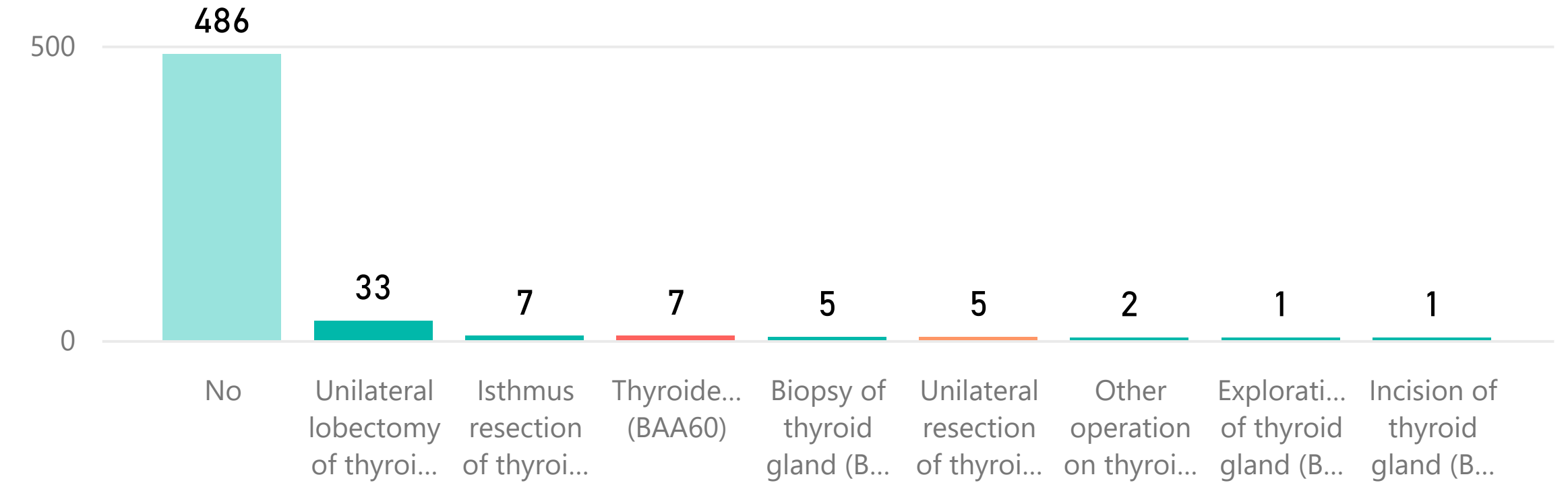
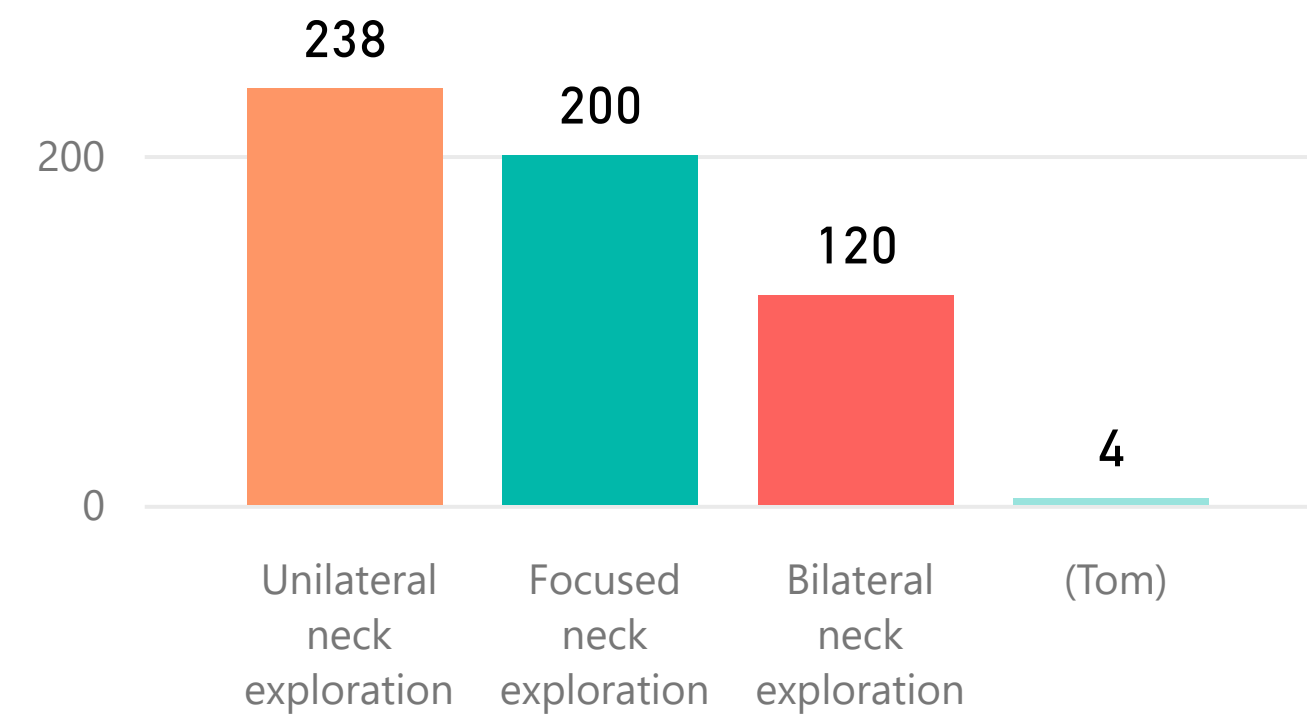
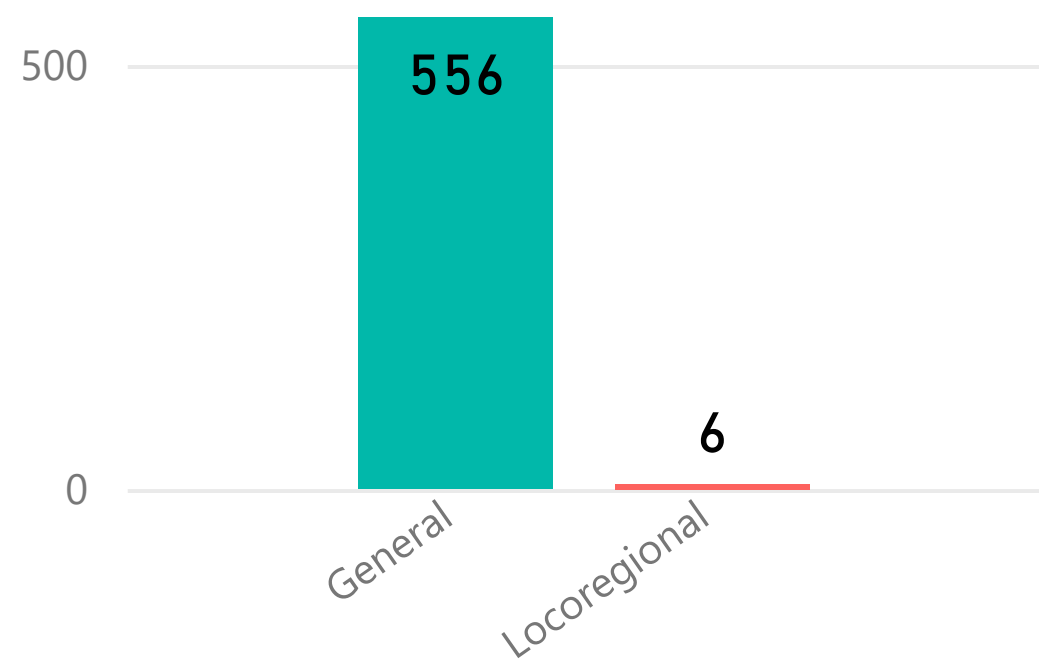
Type of Approach

Concomittant Thyroid Resection

Type of Anesthesia

Type of Approach

Concomittant Thyroid Resection



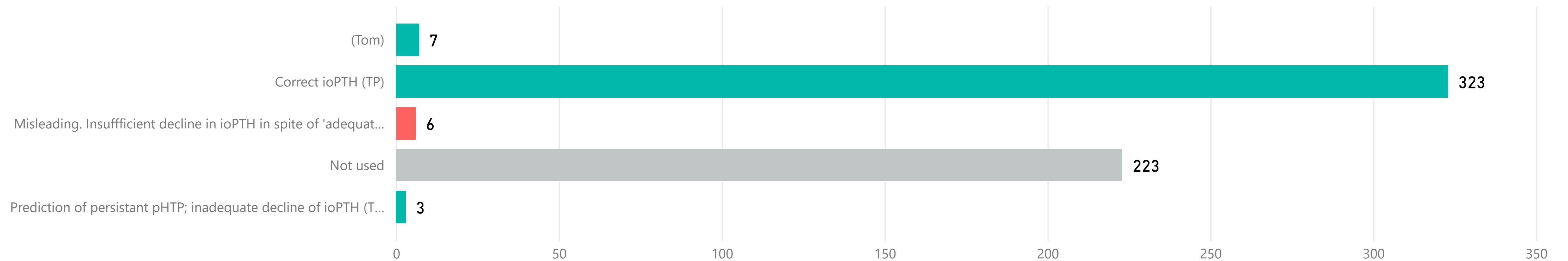
# Parathyroids

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



PTH-Monitoring Results

PTH-Monitoring Results





# Parathyroids

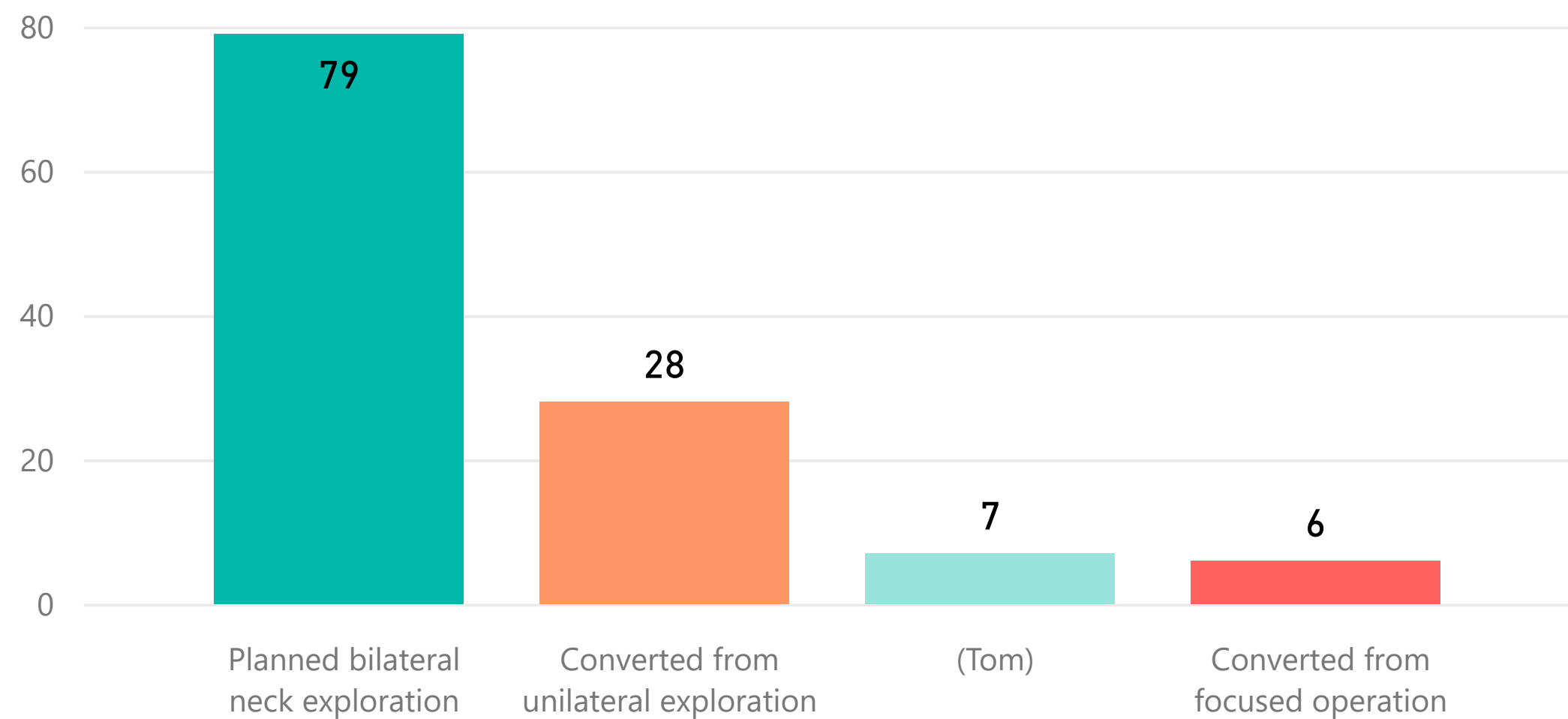
## Characteristics of Bilateral Explorations in Sporadic and Hereditary Disease (Primary Operations)



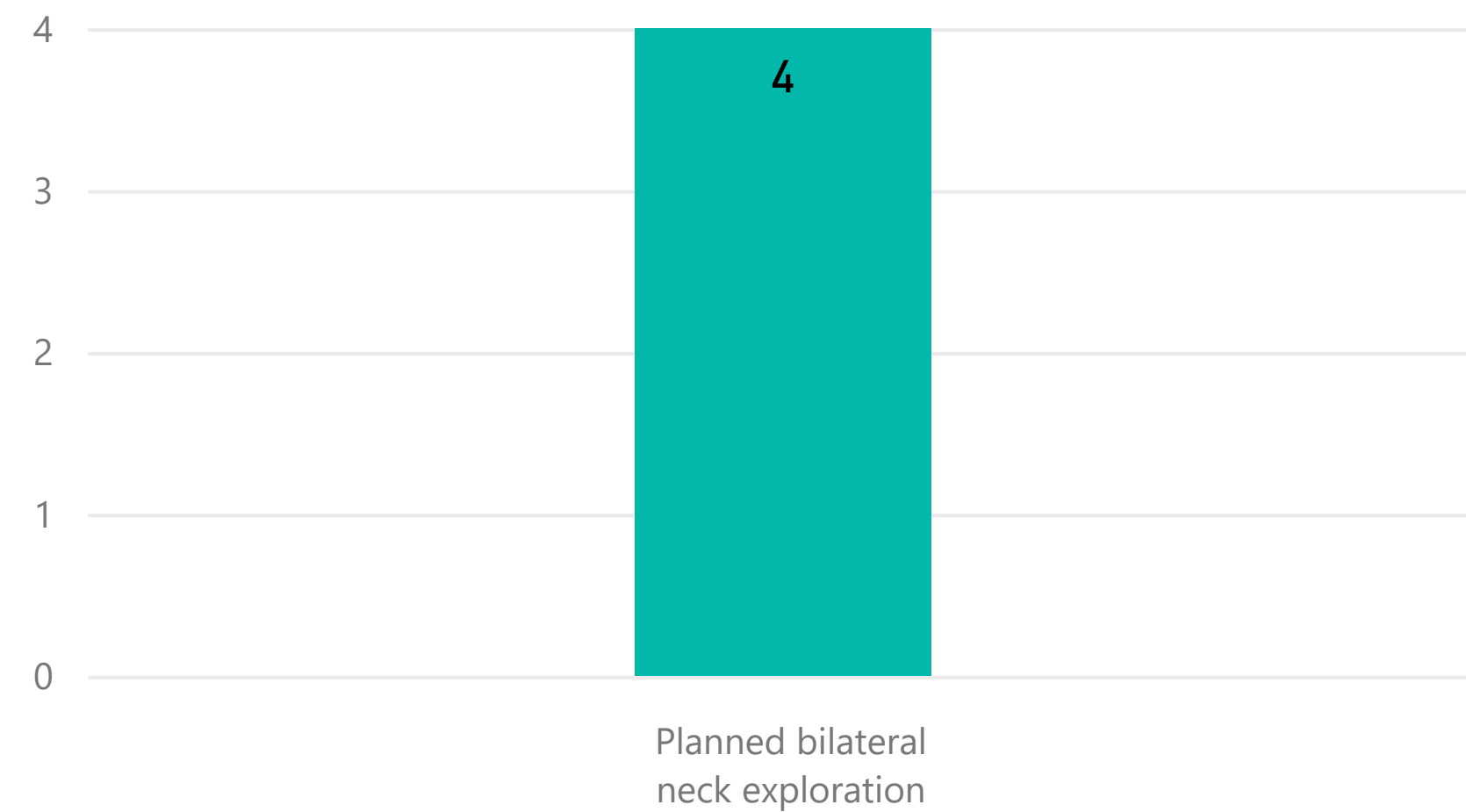
Starting Point of Bilateral Explorations in Sporadic Disease

Starting Point of Bilateral Explorations in Hereditary Disease

Starting Point of Bilateral Explorations in Sporadic Disease

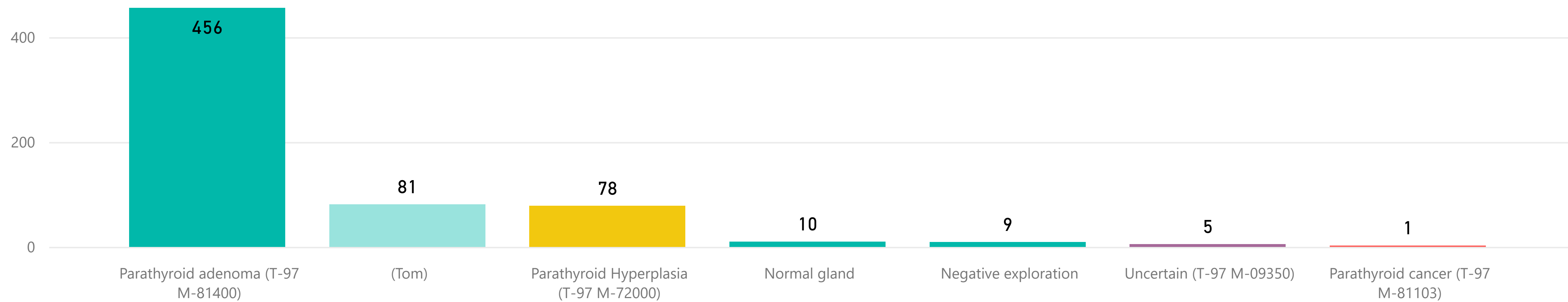


Starting Point of Bilateral Explorations in Hereditary Disease



Histology (All Etiologies)

Histology (All Etiologies)

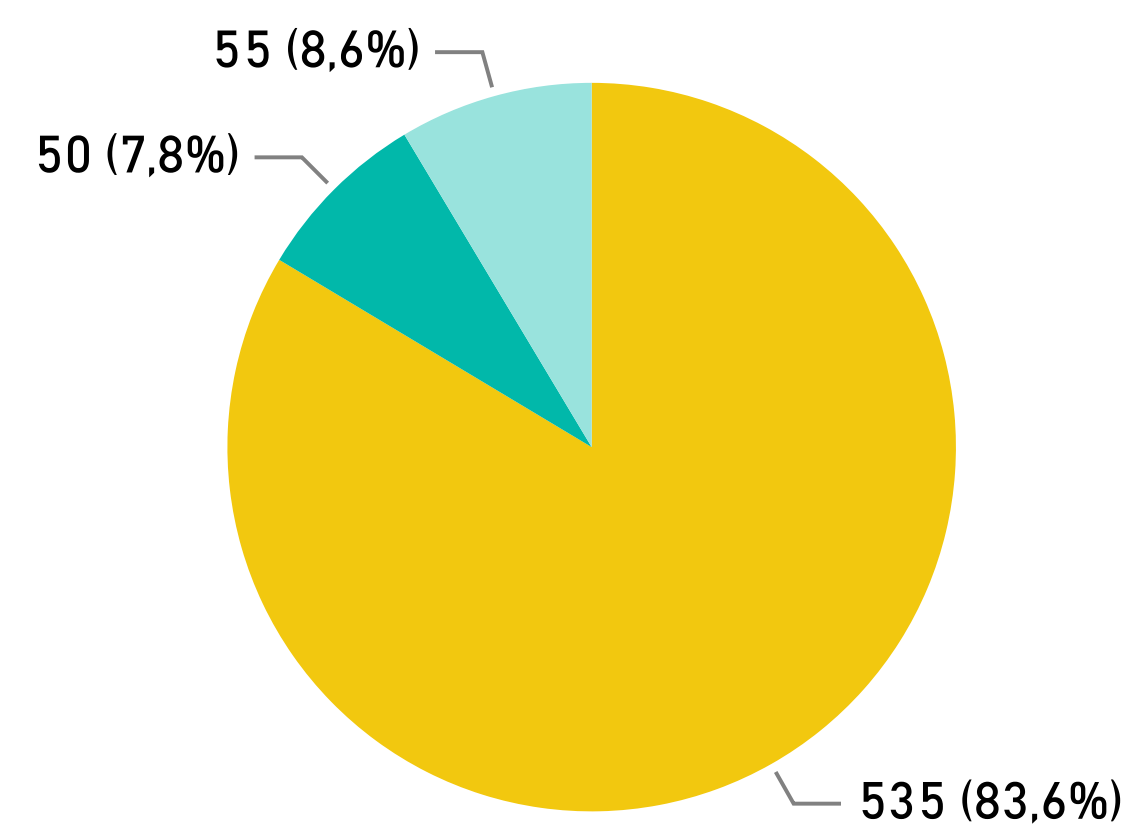


Postoperative Laryngoscopy

| Postoperative Laryngoscopy | n | % |
|----------------------------|---|---|
|----------------------------|---|---|

Postoperative Laryngoscopy

- Not performed
- Normal
- (Tom)



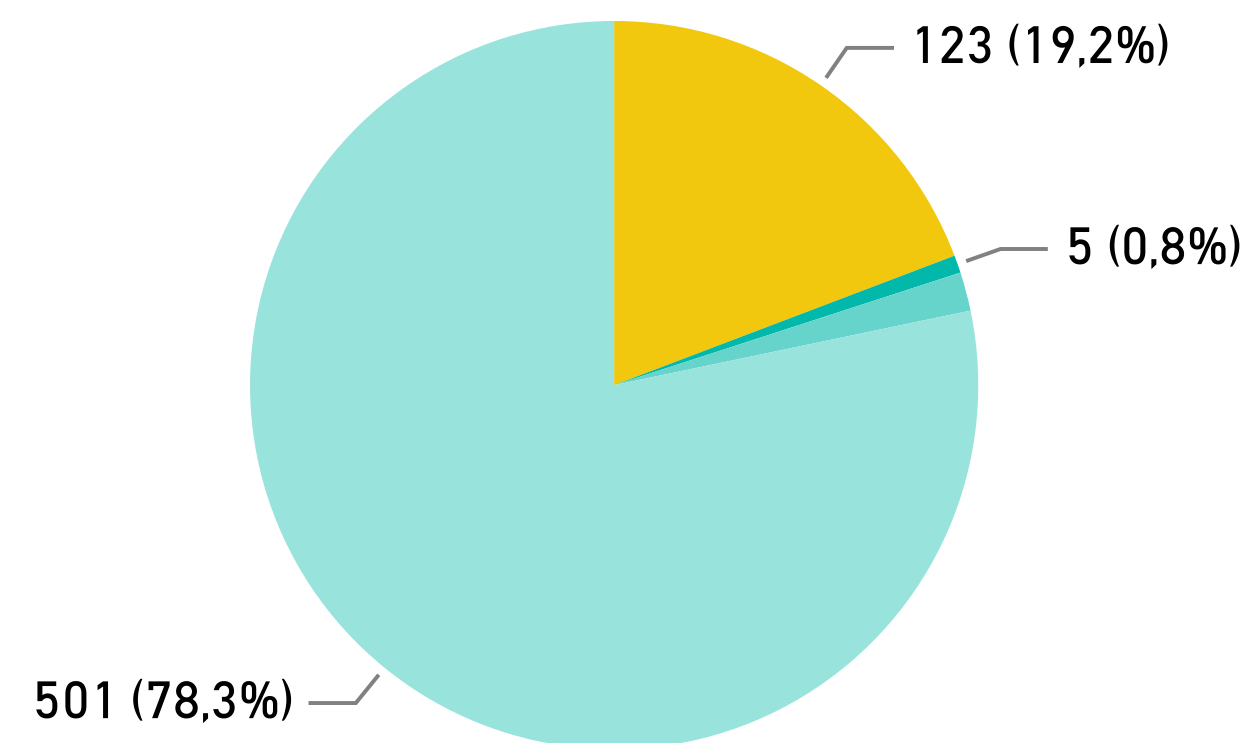
| Postoperative Laryngoscopy | n          | %              |
|----------------------------|------------|----------------|
| Normal                     | 50         | 7,81%          |
| Not performed              | 535        | 83,59%         |
| <b>Totalt</b>              | <b>640</b> | <b>100,00%</b>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

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

| Laryngoscopy at Follow-up | n | % |
|---------------------------|---|---|
|---------------------------|---|---|

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

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



| Laryngoscopy at Follow-up | n          | %              |
|---------------------------|------------|----------------|
| (Tom)                     | 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

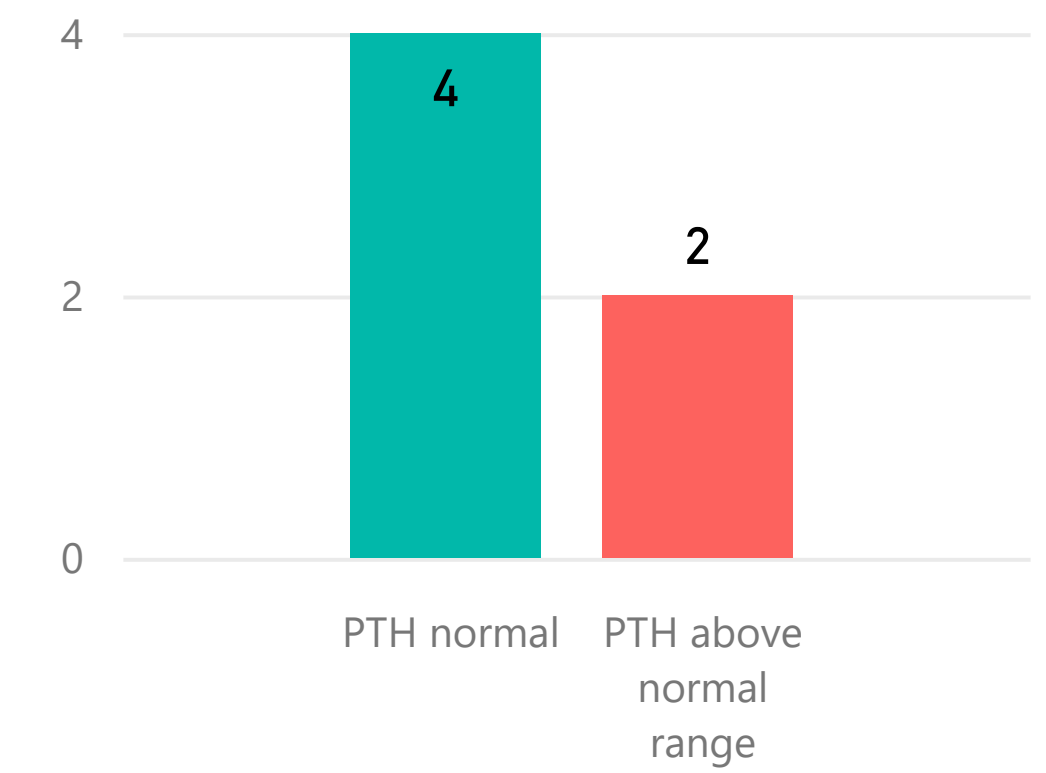
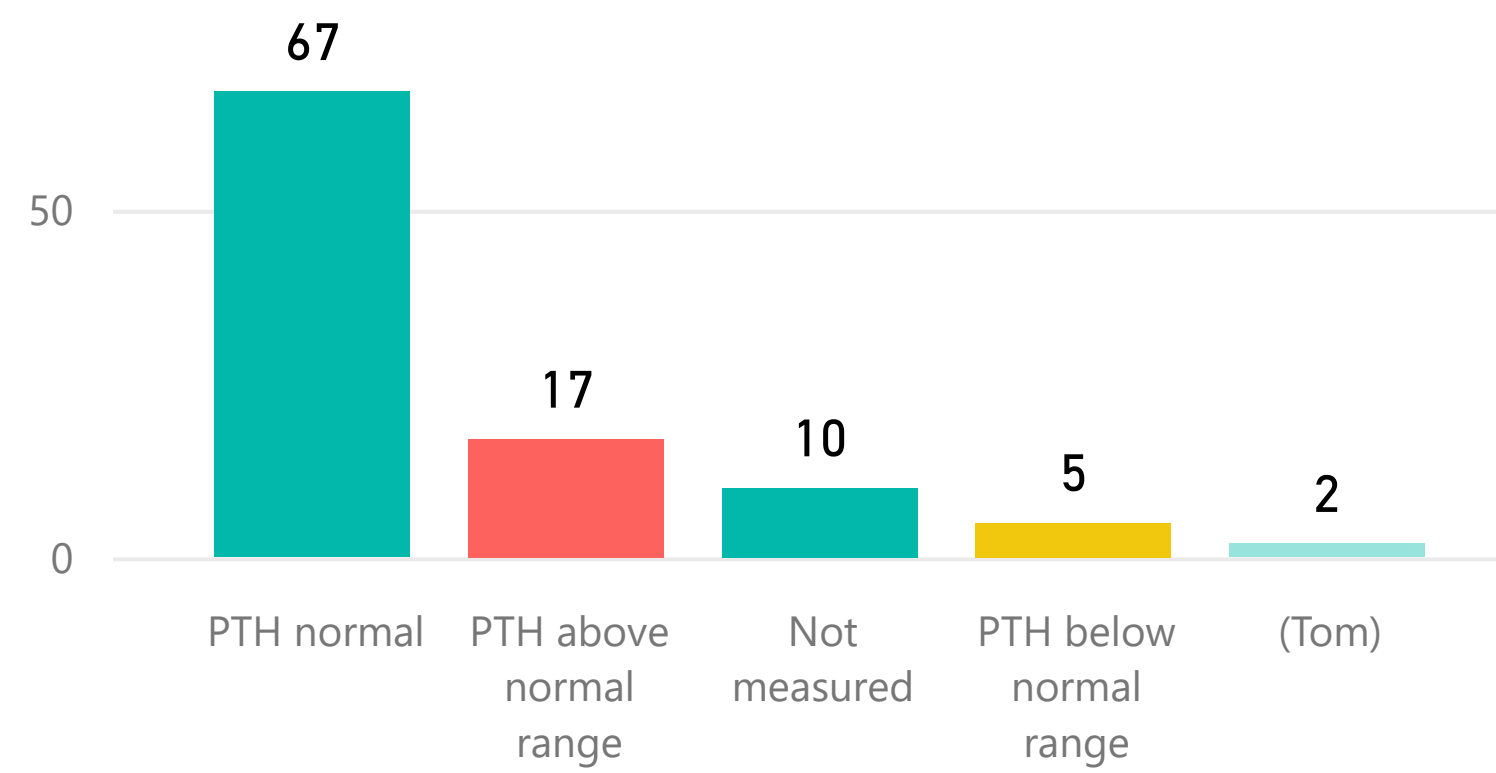
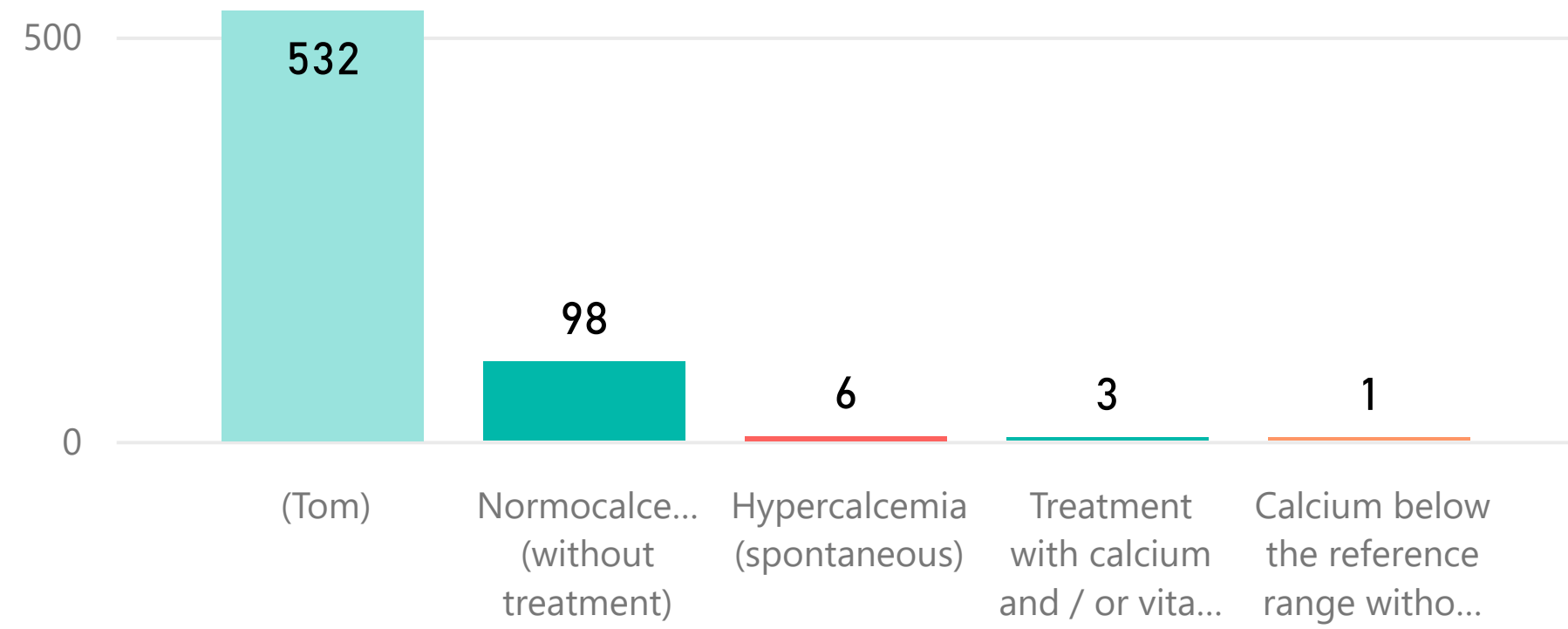
PTH Status of Normocalcemic Patients or Patients on Ca / Vit D

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

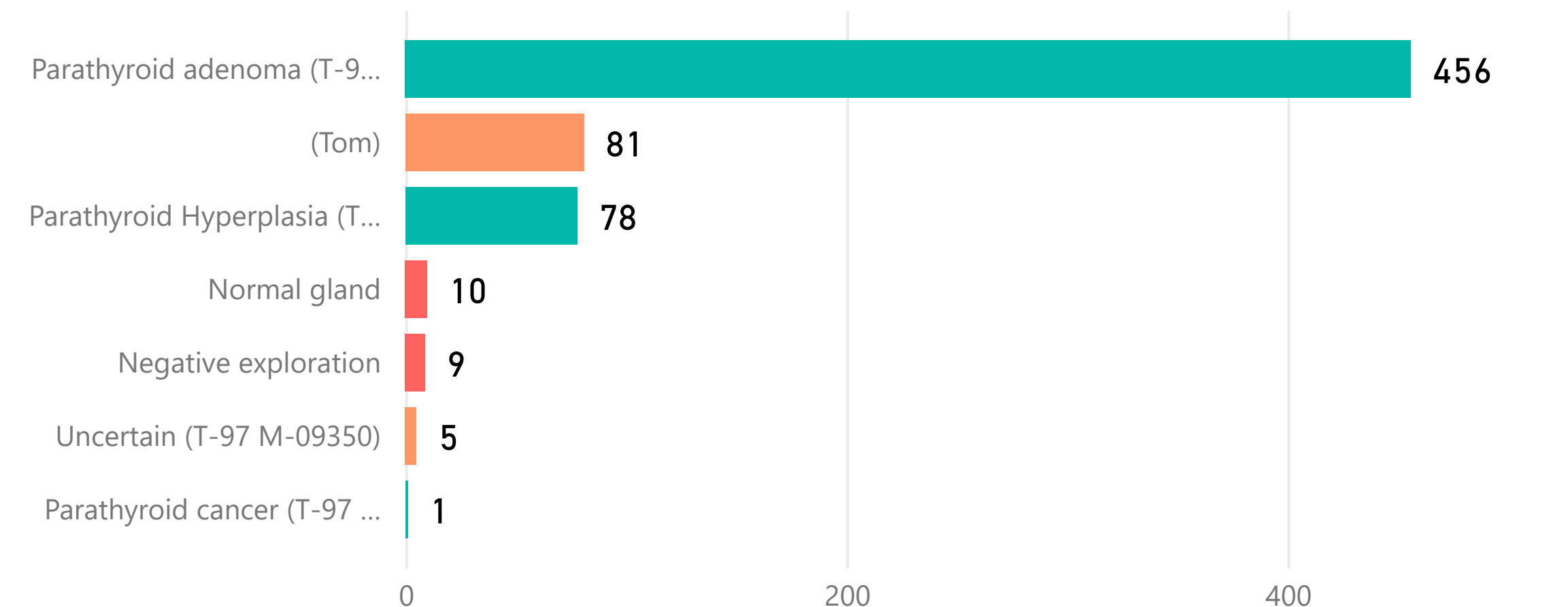
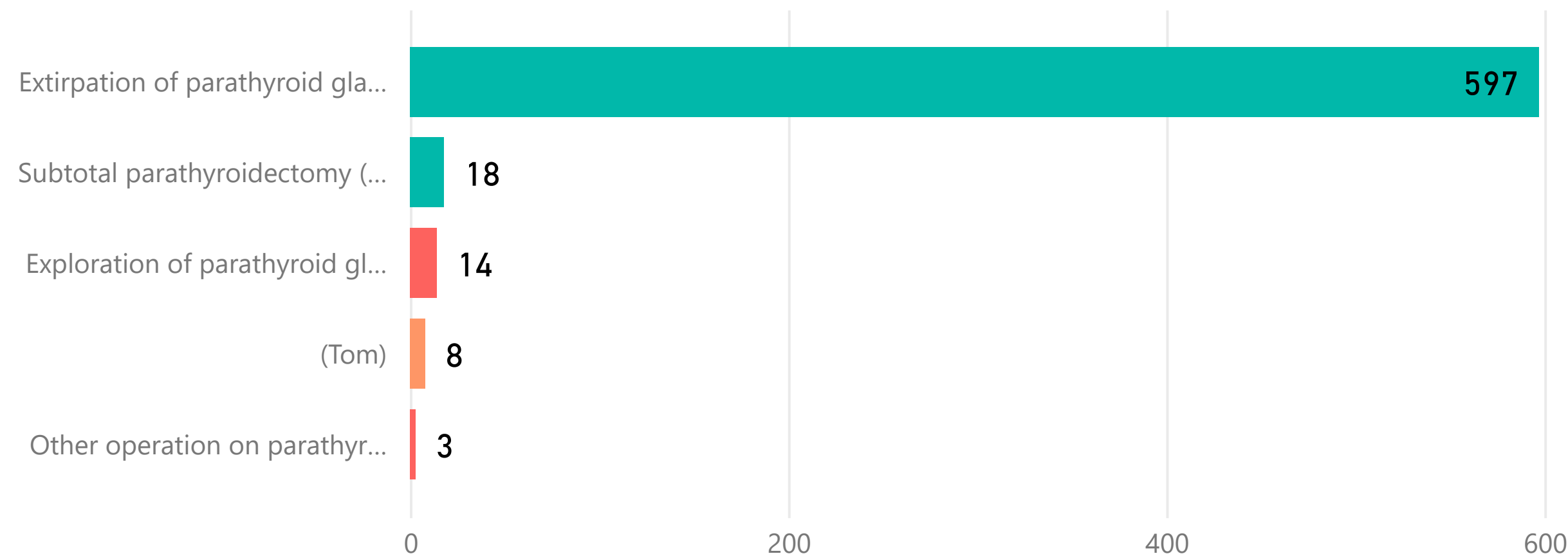


based on Selected Type of Operation

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

