



EUROCRINE

Clinic Benchmark Report

Surgery of Primary Hyperparathyroidism
2023

EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism in 2023



Investigated Clinic	Benchmark Clinics	Investigated Year
<input checked="" type="checkbox"/> Markera alla <input type="checkbox"/> Bröst och Endokrirkirurgiska kliniken, KS Huddinge <input type="checkbox"/> Carlanderska Endokrirkirurgi <input type="checkbox"/> Dubbel - Kirurgiska kliniken, Lund <input type="checkbox"/> Gastro Center Skåne <input type="checkbox"/> Kirurgicentrum Skåne <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, Helsingborg <input type="checkbox"/> Kirurgiska kliniken, Jönköping <input type="checkbox"/> Kirurgiska kliniken, Kalmar <input type="checkbox"/> Kirurgiska kliniken, Karlskrona <input type="checkbox"/> Kirurgiska kliniken, Karlstad <input type="checkbox"/> Kirurgiska kliniken, Kristianstad <input type="checkbox"/> Kirurgiska kliniken, KS Solna <input type="checkbox"/> Kirurgiska kliniken, Kungälv <input type="checkbox"/> Kirurgiska kliniken, Linköping <input type="checkbox"/> Kirurgiska kliniken, Ljungby <input type="checkbox"/> Kirurgiska kliniken, Luleå <input type="checkbox"/> Kirurgiska kliniken, Lund <input type="checkbox"/> Kirurgiska kliniken, Norrköping <input type="checkbox"/> Kirurgiska kliniken, Nyköping <input type="checkbox"/> Kirurgiska kliniken, Örebro <input type="checkbox"/> Kirurgiska kliniken, Östersund	<input checked="" type="checkbox"/> Markera alla <input checked="" type="checkbox"/> Bröst och Endokrirkirurgiska kliniken, KS Huddinge <input checked="" type="checkbox"/> Carlanderska Endokrirkirurgi <input type="checkbox"/> Dubbel - Kirurgiska kliniken, Lund <input checked="" type="checkbox"/> Gastro Center Skåne <input checked="" type="checkbox"/> Kirurgicentrum Skåne <input checked="" type="checkbox"/> Kirurgiska kliniken, Borås <input checked="" 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 checked="" type="checkbox"/> Kirurgiska kliniken, Helsingborg <input checked="" type="checkbox"/> Kirurgiska kliniken, Jönköping <input checked="" type="checkbox"/> Kirurgiska kliniken, Kalmar <input checked="" type="checkbox"/> Kirurgiska kliniken, Karlskrona <input checked="" type="checkbox"/> Kirurgiska kliniken, Karlstad <input checked="" type="checkbox"/> Kirurgiska kliniken, Kristianstad <input checked="" type="checkbox"/> Kirurgiska kliniken, KS Solna <input checked="" type="checkbox"/> Kirurgiska kliniken, Kungälv <input checked="" type="checkbox"/> Kirurgiska kliniken, Linköping <input checked="" type="checkbox"/> Kirurgiska kliniken, Ljungby <input checked="" type="checkbox"/> Kirurgiska kliniken, Luleå <input checked="" type="checkbox"/> Kirurgiska kliniken, Lund <input checked="" type="checkbox"/> Kirurgiska kliniken, Norrköping <input checked="" type="checkbox"/> Kirurgiska kliniken, Nyköping <input checked="" type="checkbox"/> Kirurgiska kliniken, Örebro <input checked="" type="checkbox"/> Kirurgiska kliniken, Östersund <input checked="" type="checkbox"/> Kirurgiska kliniken, Skövde	<input checked="" 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 type="checkbox"/> 2019 <input type="checkbox"/> 2020 <input type="checkbox"/> 2021 <input type="checkbox"/> 2022 <input checked="" type="checkbox"/> 2023 <input type="checkbox"/> 2024 <input type="checkbox"/> 2025

EUROCRINE Benchmark Report on Operations for Primary Hyperparathyroidism



Registered Operations for pHPT in Investigated Clinic

25



2023

Registered Operations for pHPT in Other EUROCRISE Clinics of Your Country

844



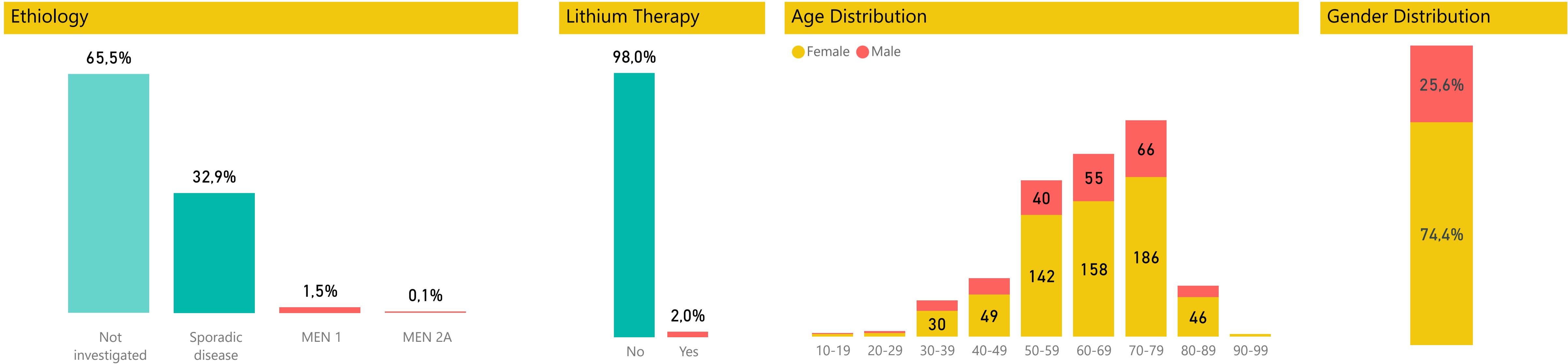
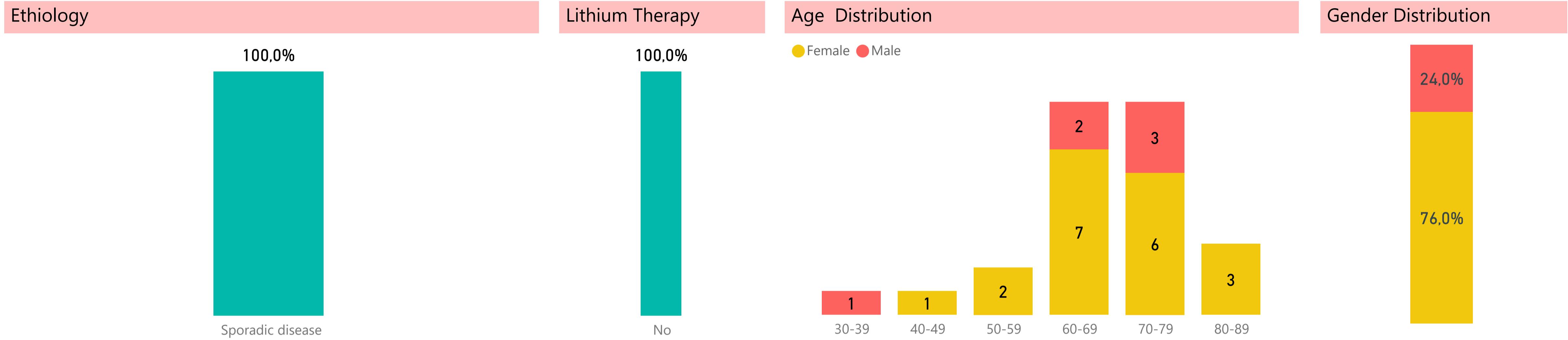
2023

Color Coding in this Report:

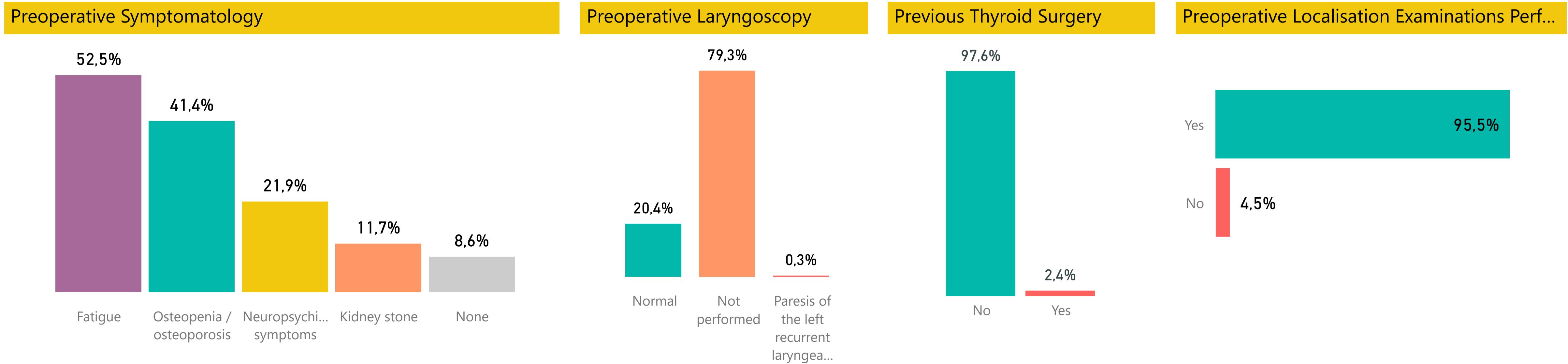
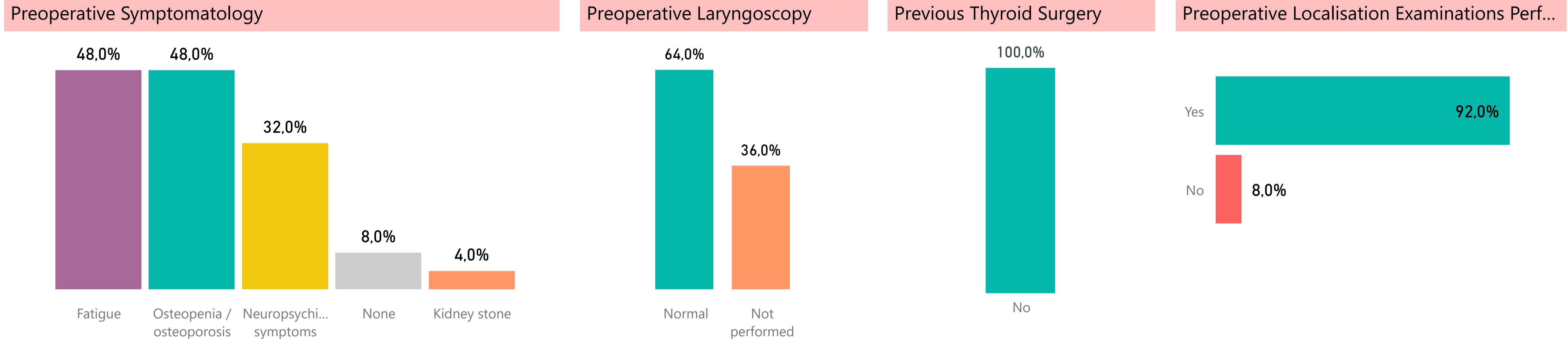
Investigated Clinic

Other EUROCRISE Clinics in Your Country

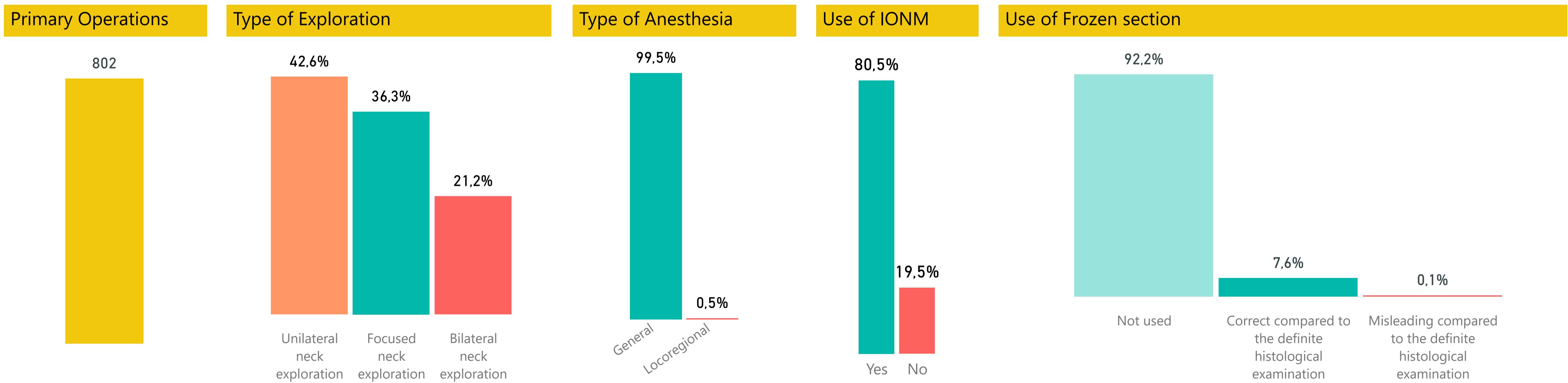
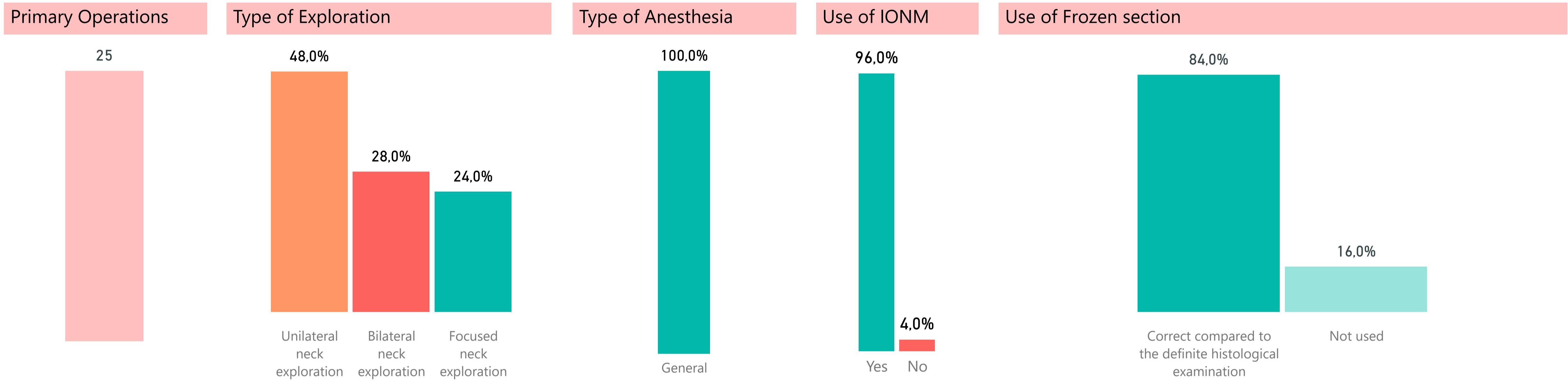
Etiology, Age Distribution



Symptomatology and Preoperative Workup, Sporadic Disease, Primary Operations



Characteristics of Primary Operations



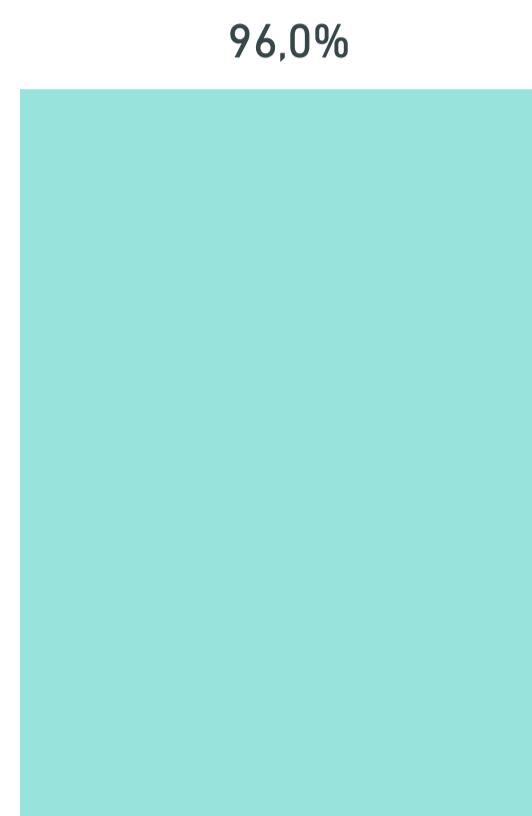
Characteristics of Primary Operations

Type of Resection



Extrication of parathyroid gland (BBA30)

Concomitant Thyroid Resection

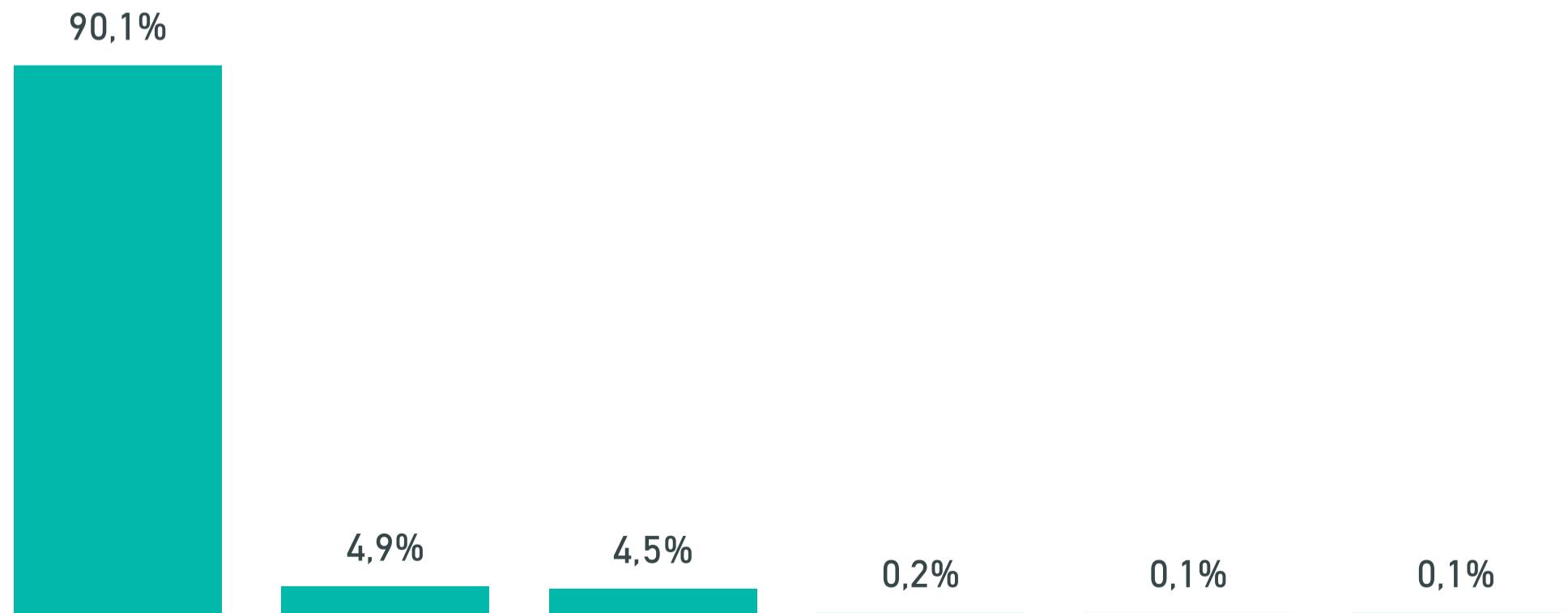


No

4.0%

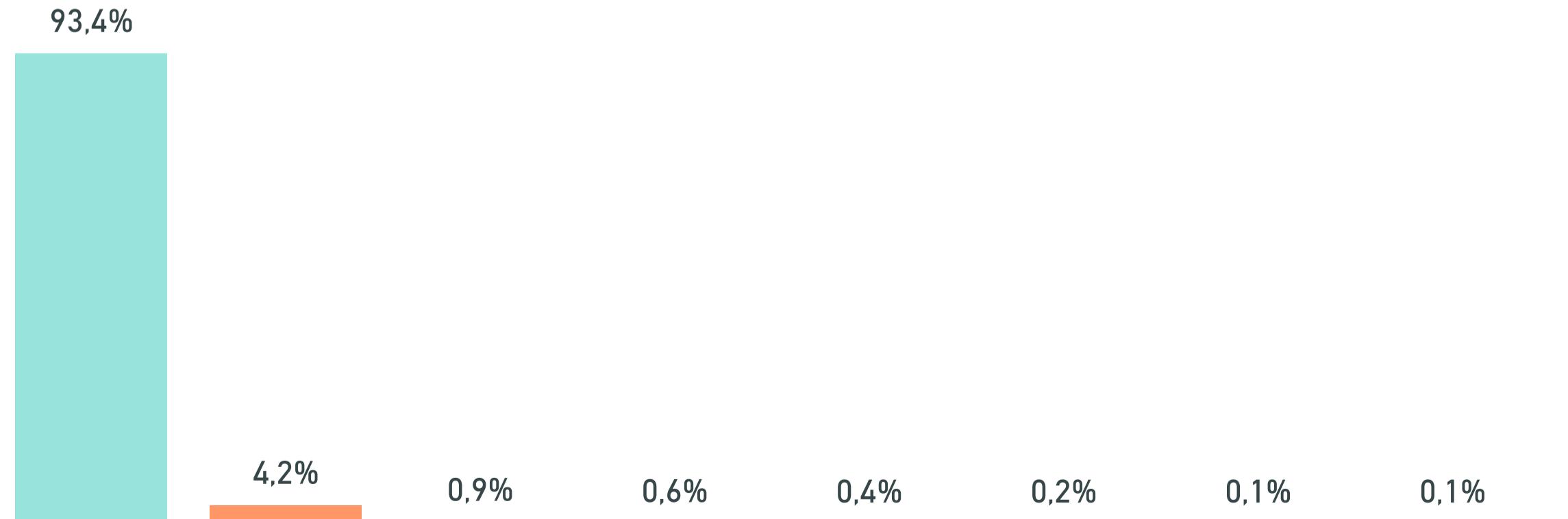
Unilateral resection of thyroid gland (BAA20)

Type of Resection



Extrication of parathyroid gland (BBA30)
Exploration of parathyroid gland (BBA20)
Subtotal parathyroidectomy (BBA40)
Other operation on parathyroid gland (BBA99)

Concomitant Thyroid Resection



No
Unilateral lobectomy of thyroid gland (BAA40)
Unilateral resection of thyroid gland (BAA20)
Thyroidectomy (BAA60)
Biopsy of thyroid gland (BAA00)
Other operation on thyroid gland (BAA99)
Exploration of thyroid gland (BAA05)
Isthmus resection of thyroid gland (BAA30)

Characteristics of Primary Operations

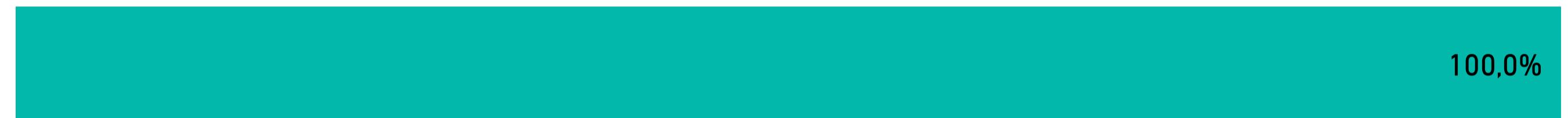


Characteristics of Primary Operations

Results of Intraoperative PTH-Monitoring

Correct ioPTH (TP)

100,0%



Median Operating Time, skin to skin (minutes)

52

Focused neck exploration

113

Unilateral neck exploration

126

Bilateral neck exploration

Not used

50,3%

50,3%

Correct ioPTH (TP)

46,9%

46,9%

Misleading. Insufficient decline in ioPTH in spite of 'adequate' operation (FN)

1,6%

Prediction of persistant pHTP; inadequate decline of ioPTH (TN)

0,9%

Incorrect persistent pHPT in spite of 'adequate' decline in ioPTH (FP)

0,3%

Median Operating Time, skin to skin (minutes)

31

Focused neck exploration

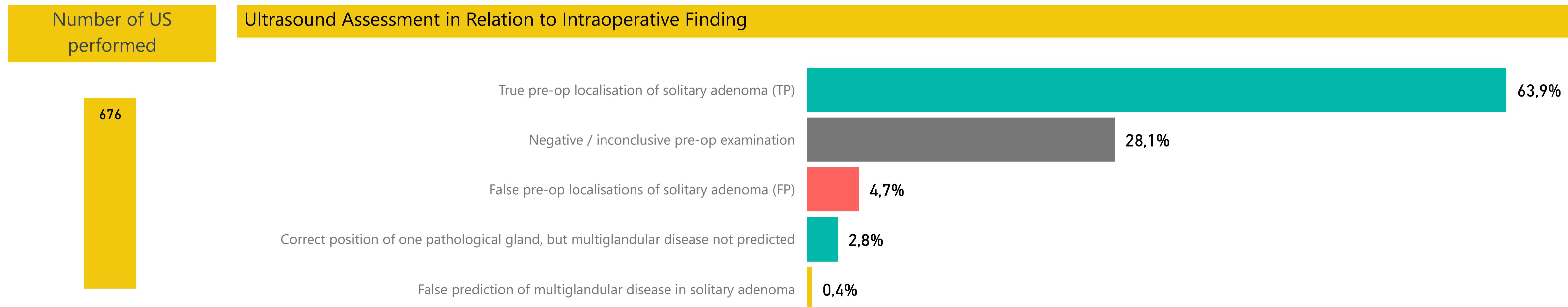
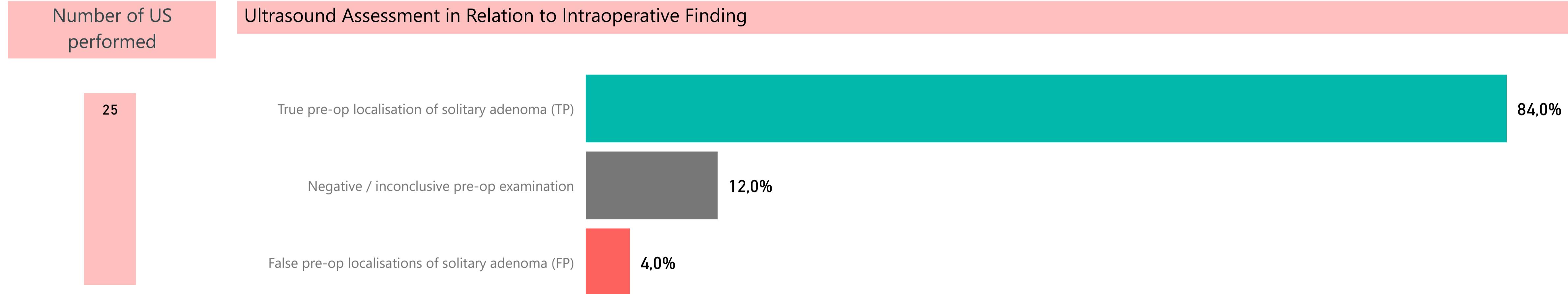
57

Unilateral neck exploration

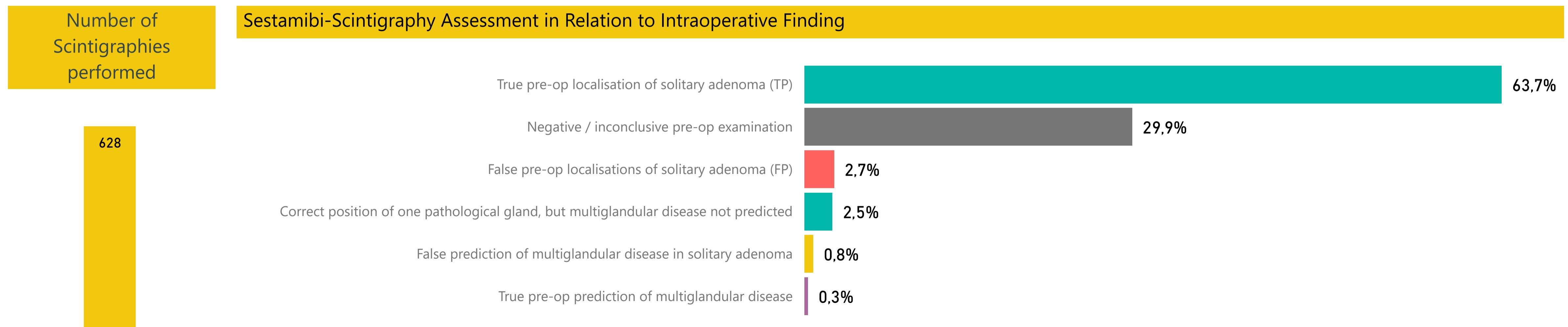
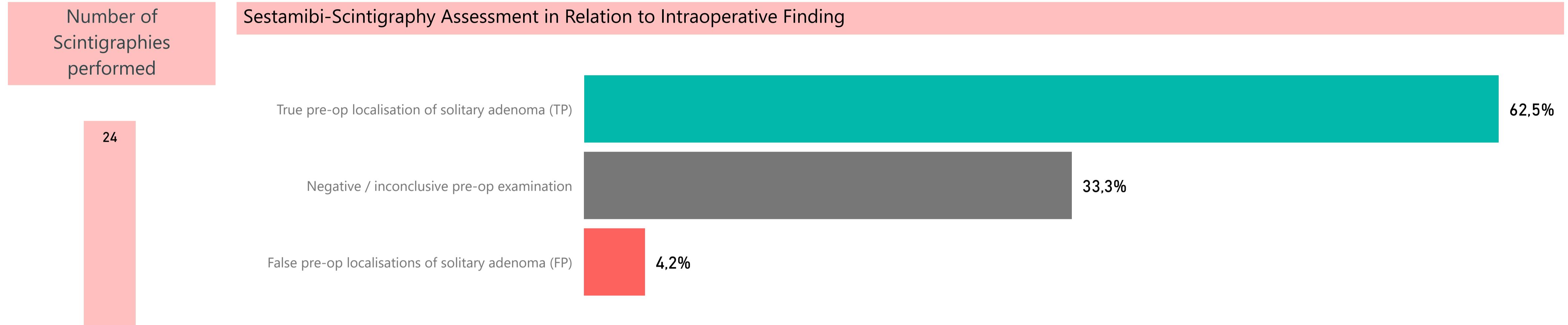
81

Bilateral neck exploration

Assessment of Preoperative Localisations Studies



Assessment of Preoperative Localisations Studies



Assessment of Preoperative Localisations Studies

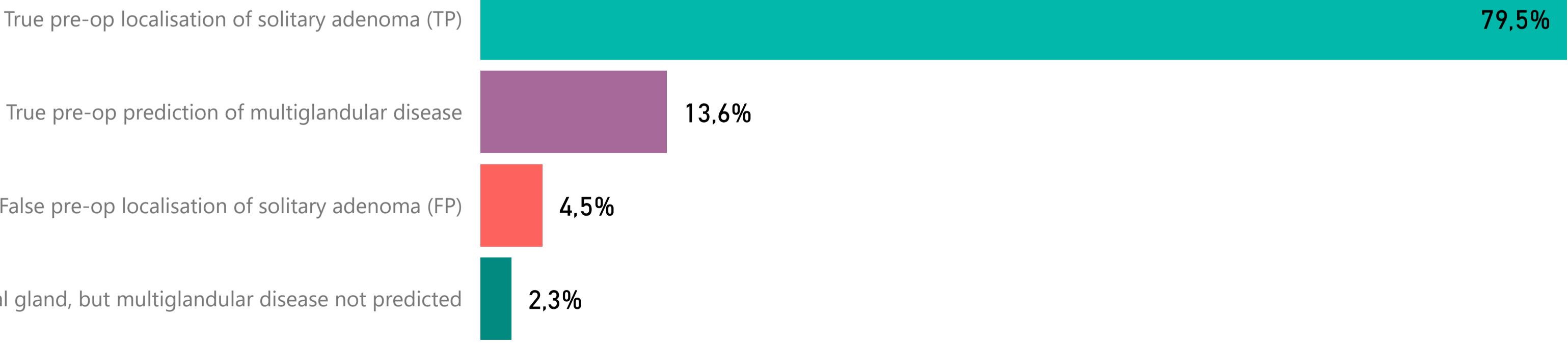
Number of PET CT
performed

18F Choline PET CT Assessment in Relation to Intraoperative Finding

Number of PET CT
performed

18F Choline PET CT Assessment in Relation to Intraoperative Finding

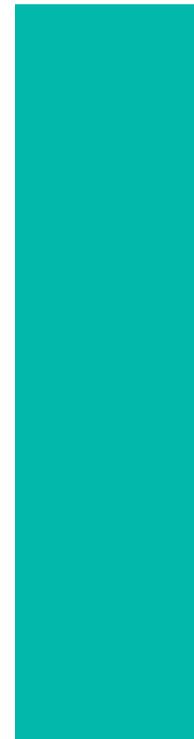
44



Histopathology Results

Number of Operations

25



Sporadic
disease

Histopathology (Sporadic Disease)

84,0%



Parathyroid adenoma
(T-97 M-81400)

12,0%

Normal gland

4,0%

Parathyroid Hyperplasia
(T-97 M-72000)

Histopathology (Hereditary Disease)

Number of Operations

552



277



13



1

Histopathology (Sporadic Disease)

85,1%



Parathyroid
adenoma
(T-97
M-81400)

9,1%



Parathyroid
Hyperplasia
(T-97
M-72000)

2,4%



Negative
exploration

1,5%



Normal gland

1,3%



Uncertain
(T-97
M-09350)

0,5%



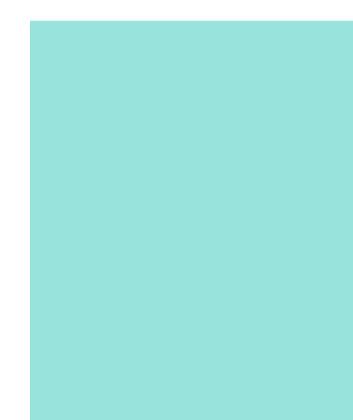
Parathyroid
cancer (T-97
M-81103)

Histopathology (Hereditary Disease)

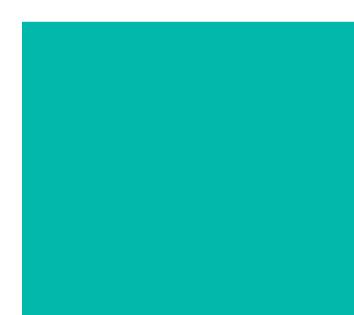
50,0%



28,6%



21,4%



Parathyroid
Hyperplasia (T-97
M-72000)
(Tom)

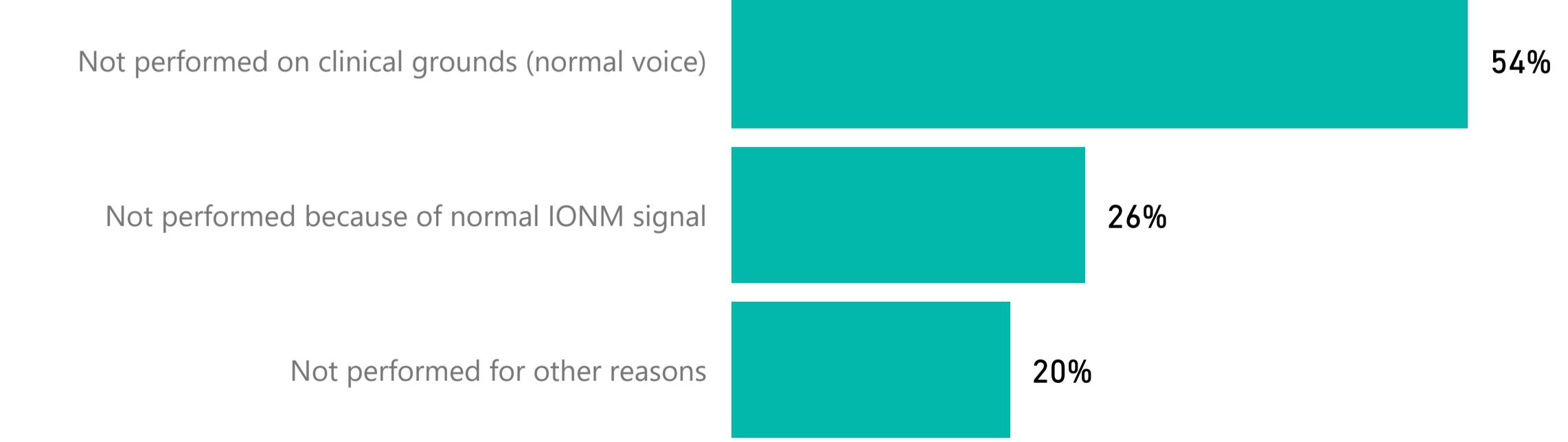
Parathyroid
adenoma (T-97
M-81400)

Postoperative Recurrent Laryngeal Nerve Function

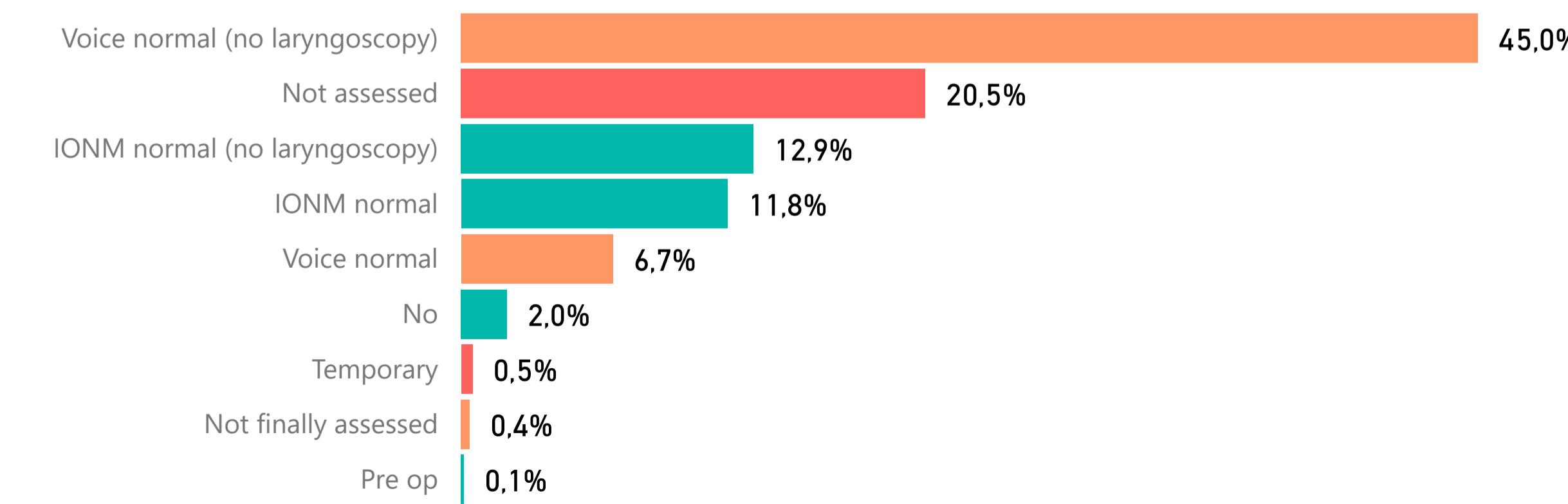
Complication Summary - Recurrent Nerve Palsy - All Operations - Latest Available Follow-up



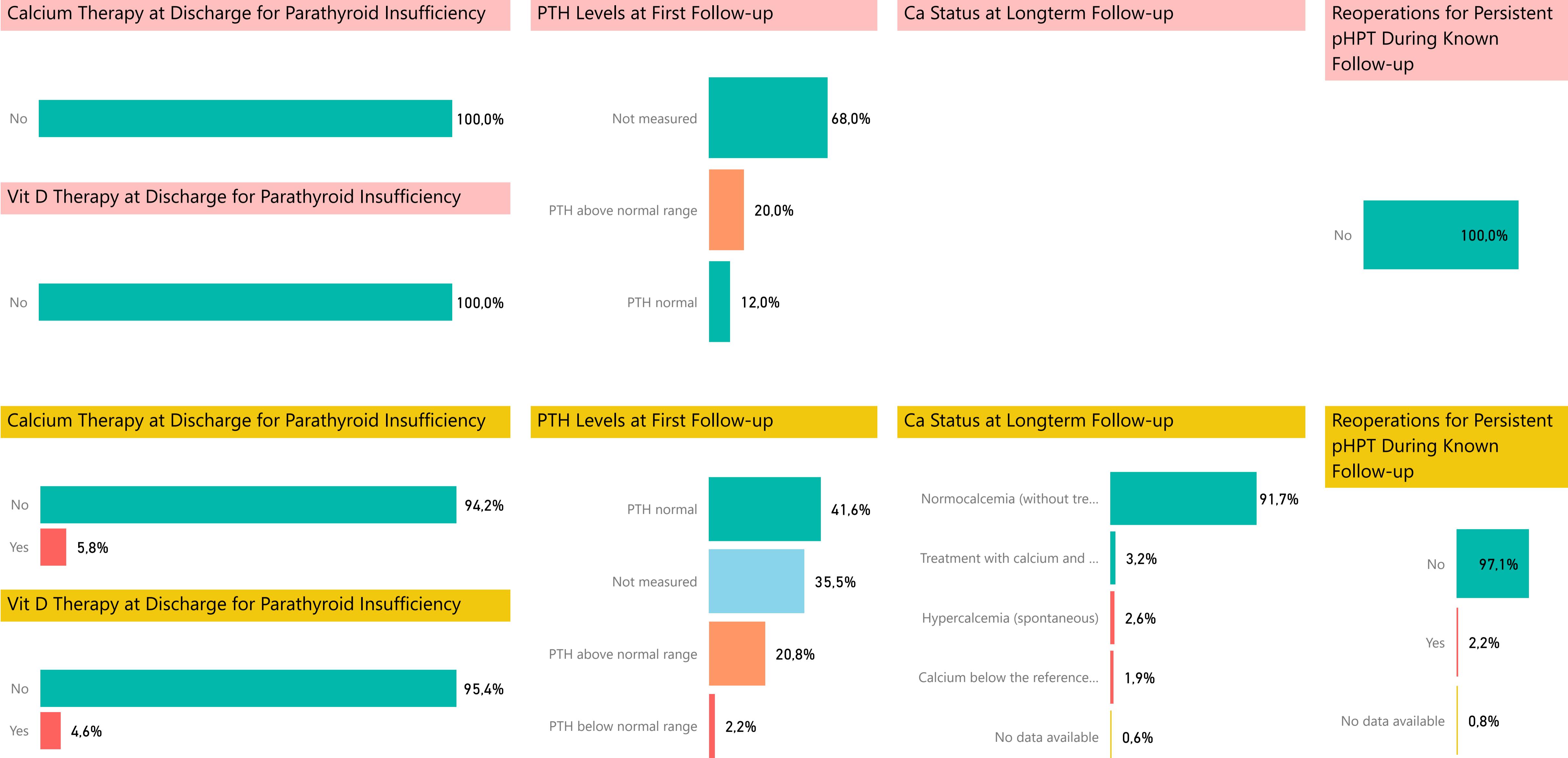
Reasons for Not Performing Laryngoscopy (Variable Introduced in 2023)



Complication Summary - Recurrent Nerve Palsy - All Operations - Latest Available Follow-up

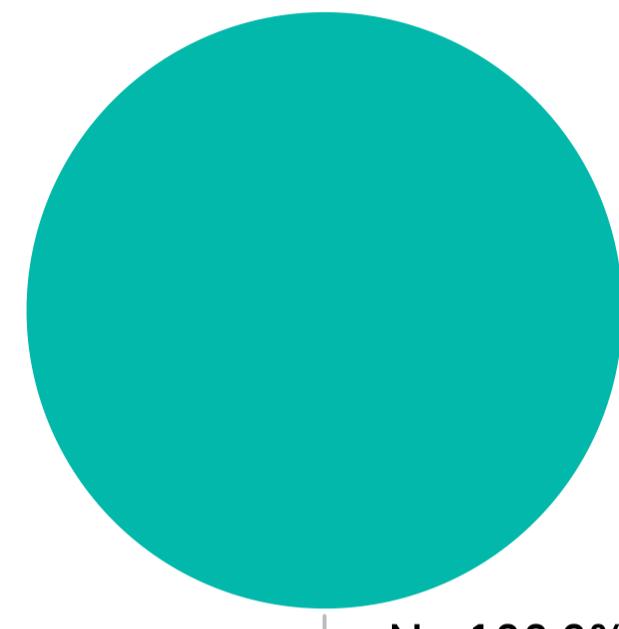


Parathyroid Functional Outcome

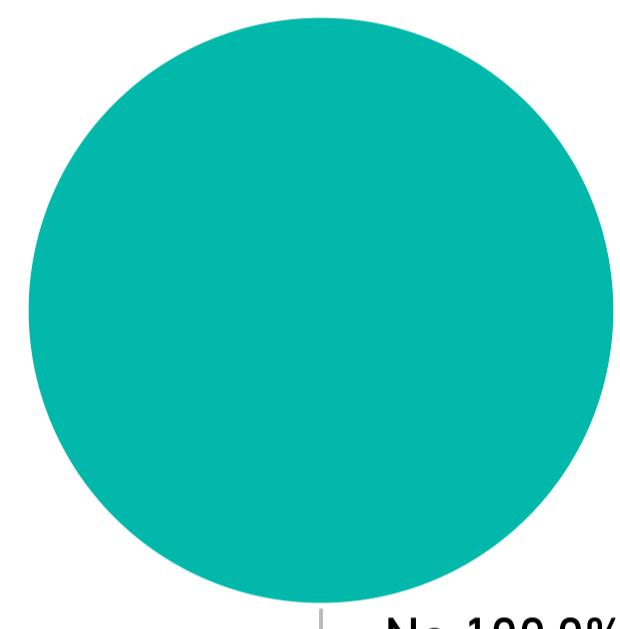


Postoperative Hemorrhage, Wound Infections and Hospital Stay

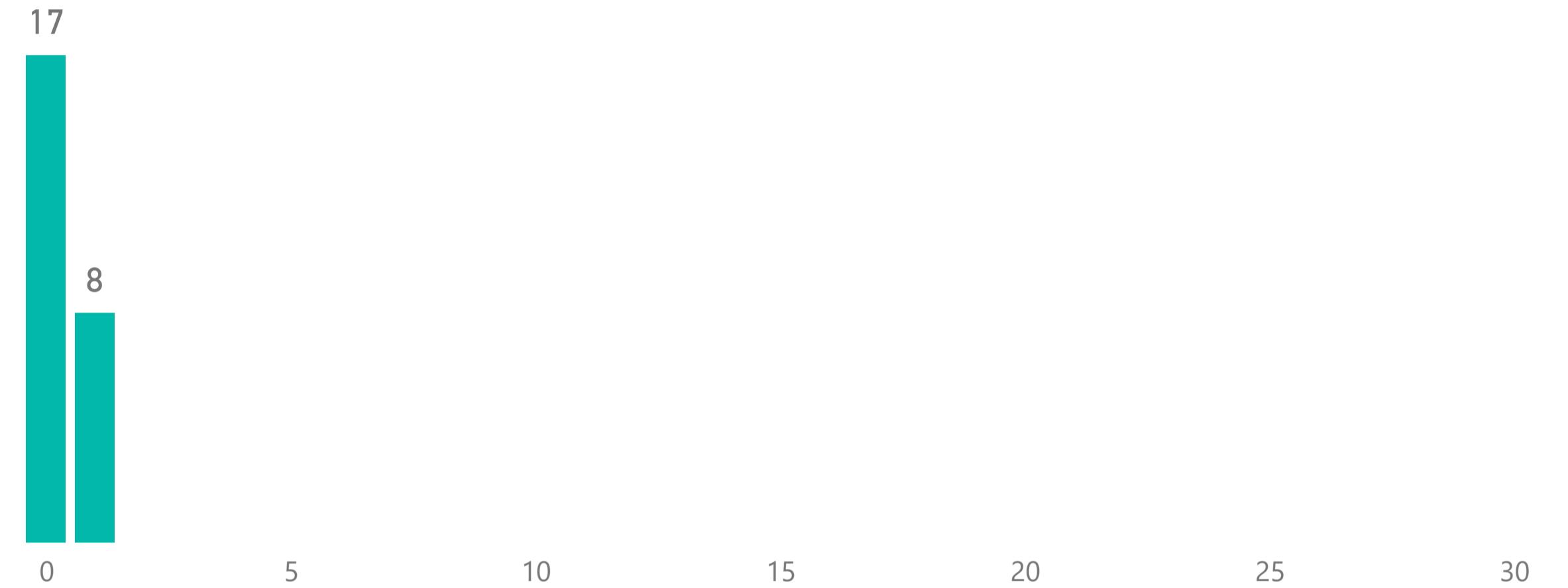
Postoperative Hemorrhage



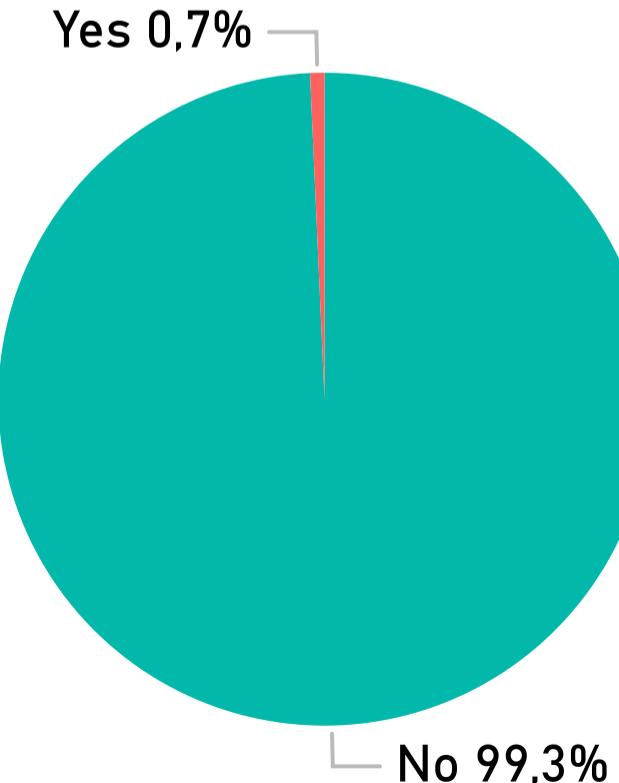
Postoperative Wound Infection



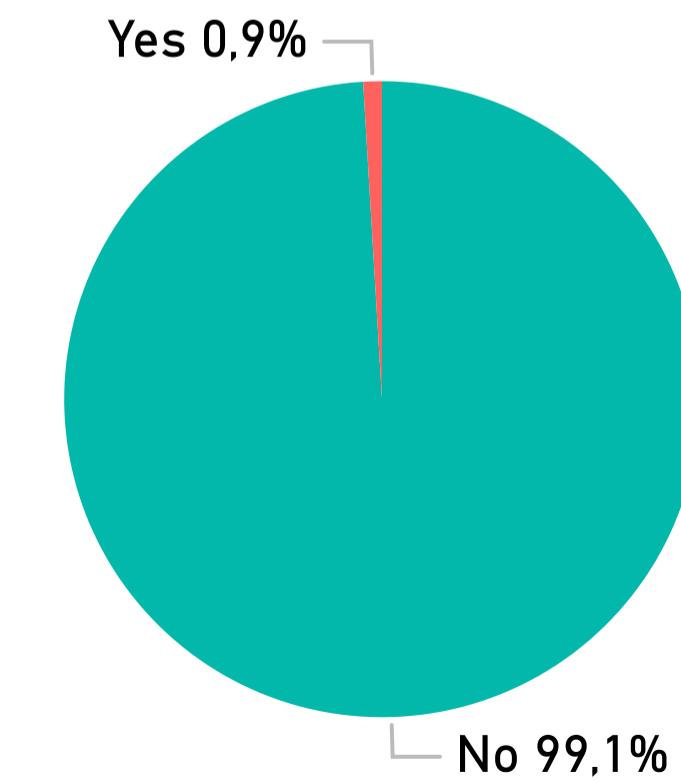
Hospital Stay (graph limited to max 31 days)



Postoperative Hemorrhage



Postoperative Wound Infection



Hospital Stay (graph limited to max 31 days)

