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| DATE: | 2 April 2024 |
| TO: | Relevant Calgary and Edmonton clinicians who order intraoperative parathyroid hormone (IOPTH) |
| FROM: | Alberta Precision Laboratories, Clinical Biochemistry |
| RE: | IOPTH in Connect Care |

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Key Message

- Ordering information, test names/codes, and specimen labels for intraoperative parathyroid hormone (IOPTH) in Connect Care are summarized in the below Table. The following ordering tip sheets are also available by searching Insite: Intraoperative Parathyroid Lab Tests and Post-Op Workflow.

| IOPTH Order Name [Connect Care Order ID] and (Specimen Label) | Where to order | Description |
|--|-----------------------------------|--|
| PARATHYROID HORMONE, INTRAOPERATIVE (IOPTH) [LAB4636] Select desired orders in IOPTH panel: | Op Time Navigator <i>ONLY</i> | |
| Baseline (PTHB) | | Time 0 when patient arrives in the operating room (OR). |
| Pre-excision (PTHPRE) | | Parathyroid identified. |
| 5 minutes (PTH5) | | 5 minutes after gland removal. |
| 10 minutes (PTH10) | | 10 minutes after gland removal. |
| 20 minutes (PTH20) | | 20 minutes after gland removal. |
| Post Excision Gland #1 (PTHPOSTXG1) | | For multiple glands. 5 minutes after 1st gland removal. |
| Post Excision Gland #2 (PTHPOSTXG2) | | For multiple glands. 5 minutes after 2 nd gland removal. |
| Post Excision Gland #3 (PTHPOSTXG3) | | For multiple glands. 5 minutes after 3 rd gland removal. |
| Post Excision Gland #4 (PTHPOSTXG4) | | For multiple glands. 5 minutes after 4 th gland removal. |
| Post Surgical PTH (PTHPOST) | | Post surgery in the OR. |
| Other (PTHOTH) | | Additional times for multiple glands. Enter time points in the Clinical Comment section. |
| IOPTH – POST SURGICAL PTH [LAB6150] (PTHPOST) | Order Entry or Op Time Navigator* | After patient has left OR. |
| IOPTH – OTHER [LAB6159] (PTHOTH) | Order Entry or Op Time Navigator* | For additional timepoints/samplings as needed. Enter details in Comments. |
| PARATHYROID HORMONE, INTRAOPERATIVE (IOPTH), BODY FLUID [LAB5153] (IOPTHBF) | Order Entry or Op Time Navigator* | Aspirate from parathyroid, lymph node, or thyroid. |
| PARATHYROID HORMONE (PTH), POST THYROIDECTOMY [LAB5118] (PTHPT) | Order Entry | To evaluate risk of hypocalcemia after thyroidectomy. |

*If ordering for collection in the OR, order in Navigator. If ordering for collection in the recovery room, order in Order Entry.



Background

- Over the past year, a working group consisting of surgeons and laboratorians in Calgary and Edmonton revised the IOPTH Connect Care build to accommodate time points used across sites and to standardize ordering workflow.
- Modifications to the build also ensured there was alignment with the OpTime Navigator in the OR and Order Entry outside of the OR.
- Post Thyroidectomy PTH and IOPTH Body Fluid are tested on the same method as IOPTH.
- Routine PTH in the community and outpatient settings are tested on a different method. Routine PTH results should not be used interchangeably with IOPTH.

Action Required

- Be aware of new ordering information, test names/codes, timepoints, and specimen labels for IOPTH in OpTime Navigator and Epic.
- If IOPTH – POST SURGICAL PTH [LAB6150] is required while the patient is in recovery, the order must be placed in Order Entry. Do not order the IOPTH Panel [LAB4636], which is only available in OpTime Navigator.
- Refer to the Intraoperative Parathyroid Lab Tests and Post-Op Workflow tip sheets on Insite for test ordering in OpTime Navigator.

Questions/Concerns

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Effective September 1, 2023, APL has become the sole provider of all public lab services in Alberta. As a result, community lab services formally provided by DynaLIFE Medical Labs will become the responsibility of Alberta Precision Labs (APL). This change impacts all zones.