

Hicon® (Sodium Iodide I - 131)	
Policy Number:	M20200508035
Effective Date:	7/1/2020
Sponsoring Department:	Health Care Services
Impacted Department(s):	Health Care Services
Type of Policy: ⊠ Internal ⊠ Ex Data Classification: □Confidenti	
Applies to (Line of Business):	
Plus; ⊠Essential Plan ☑ Medicare, if yes, which plan(s): ☐ ☑ Commercial, if yes, which type: ☑ Self-Funded Services (Refer to specauthorization or pre-certification requirement policy and the SPD of a Self-Funded Plan, the	☐ Large Group; ☐ Small Group; ☐ Individual ific Summary Plan Descriptions (SPDs) to determine any prents and coverage limitations. In the event of any conflict between this
N/A	Selected Lines of Business (LOB)
Applicable to Vendors? Yes	□ No⊠
Purpose and Applicability:	or Hison® for humanthumaidians and differentiated thursis
carcinoma.	or Hicon® for hyperthyroidism and differentiated thyroid
Policy:	
Commercial, Self-Funding, and Medic	care Advantage:

Initial Approval Criteria:

- Patient is 18 years or older; AND
- Women of child-bearing age must have a negative pregnancy test prior to treatment; AND



- Lactating women should discontinue breast feeding at least 6 weeks prior to administration;
 AND
- Patient has adhered to a low-iodide diet for at least two weeks prior to therapy; AND
- Patient has discontinued any anti-thyroid medication (e.g., methimazole, propylthiouracil, triiodothyronine, thyroxine, etc.) for at least three days prior to therapy; AND
- Patients of reproductive potential must use effective contraception during treatment with therapy and for at least six months after the last dose; AND
- Patient is not currently experiencing vomiting and/or diarrhea; AND
- Coverage is provided in the following conditions:

1. Hyperthyroidism

- Other causes of hyperthyroidism have been ruled out (e.g., thyroid malignancy, TSH-secreting pituitary tumors, etc.); AND
- o Patient has a confirmed diagnosis of hyperthyroidism related to Grave's Disease; AND
 - Patient has failed or has intolerance or contraindication to anti-thyroid medication therapy; OR
- Patient has a confirmed diagnosis of hyperthyroidism related to toxic nodular/multinodular goiter or toxic adenoma.
- 2. Differentiated Thyroid Carcinoma (DTC)
 - o Patient has a diagnosis of follicular or papillary thyroid carcinoma; AND
 - o Patient has proven or suspected radio-iodine uptake of the thyroid bed or tumor; AND
 - Therapy will be used for adjuvant (post-surgical) radioactive iodine (RAI) ablation in patients who have had a thyroidectomy; OR
 - o Treatment of locoregional, metastatic, or recurrent DTC

Dosage:

- 1. Hyperthyroidism
 - O Up to 10 billable units (370 mBg; 10 mCi) per administration
- 2. Thyroid Carcinoma
 - o Up to 200 billable units (7400 mBq; 200mCi) per administration

Note: Coverage will be provided for one administration of Hicon® and cannot be renewed.

MediSource, MediSource Connect, Child Health Plus, Essential Plan:

MediSource, MediSource Connect, Child Health Plus and Essential Plan cover Hicon® utilizing the Commercial criteria above.

Background

Radioactive iodine (I-131), an isotope of iodine that emits radiation that when swallowed in a single dose in either liquid or capsule form, is absorbed into the bloodstream in the gastrointestinal (GI) tract and concentrated from the blood by the thyroid gland, where it begins destroying the gland's cells.

Hyperthyroidism is an excessive concentration of thyroid hormones in tissues. Common endogenous causes of hyperthyroidism are Graves disease, toxic multinodular goiter, toxic adenoma, and painless thyroiditis, with Graves disease as the most common cause. Radioactive iodine ablation of the thyroid gland is the most common treatment of Graves disease in the United States.



Thyroid cancer is generally divided into the following two categories. The first category differentiated thyroid cancer, which includes well-differentiated tumors, poorly differentiated tumors, and undifferentiated tumors (papillary, follicular, or anaplastic) and the second category, medullary thyroid cancer. Standard treatment options for localized/regional papillary and follicular thyroid cancer include the following: total thyroidectomy, lobectomy, radioactive iodine (RAI) therapy, thyroid-suppression therapy, and external-beam radiation therapy (EBRT).

Most patients develop permanent hypothyroidism between two and six months after radioactive iodine ablation and require ongoing thyroid hormone supplementation. Patient restrictions prior to treatment include the discontinuation of anti-thyroid medications three days, commencement of low-iodide diet for at least two weeks prior to therapy, discontinuation of breast feeding and a negative pregnancy test for females. It is recommended that pregnancy be delayed until at least six to 12 months after I-131 treatment.

An evaluation of the peer-reviewed scientific literature, including but not limited to subscription materials, has provided Independent Health the basis for its medical necessity coverage outlined above.

Pre-Authorization Required?	Yes ⊠	No□
Pre-authorization is required for this serv	vice.	

Definitions

Hicon® (Sodium Iodide I - 131) is a radioactive therapeutic agent indicated for the treatment of hyperthyroidism and selected cases of carcinoma of the thyroid.

Hyperthyroidism, or overactive thyroid, occurs when the thyroid gland produces too much of the hormone thyroxine, increasing the body's metabolism, causing unintentional weight loss and arrhythmias.

References

Related Policies, Processes and Other Documents N/A

Non-Regulatory references

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Regulatory References

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This policy contains medical necessity criteria that apply for this service. Please note that payment for covered services is subject to eligibility criteria, contract exclusions and the limitations noted in the member's contract at the time the services are rendered.



Version Control

Signature / Approval on File? Yes ⊠ No□

Revision Date	Owner	Notes
6/1/2025	Health Care Services	Reviewed
6/1/2024	Health Care Services	Revised
1/1/2024	Health Care Services	Reviewed
6/1/2023	Health Care Services	Reviewed
6/1/2022	Health Care Services	Reviewed
6/1/2021	Health Care Services	Reviewed