FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPRO | DVAL | | | | |
|------------------------|-----------|--|--|--|--|
| OMB Number: | 3235-0287 | | | | |
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| hours per response: | 0.5 | | | | |

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

| Name and Address of Reporting Person* Orlandi Cesare | | | | | | | 2. Issuer Name and Ticker or Trading Symbol Lantheus Holdings, Inc. [LNTH] | | | | | | | | | all app | licable) | | ssuer Owner (specify |
|--|--|--|------------------|---|----------|--|--|------|------------------|--|--------------------|--|---|----------------------|--|---------|--|---|--|
| (Last) (First) (Middle) C/O LANTHEUS HOLDINGS, INC. 331 TREBLE COVE ROAD | | | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 09/04/2018 | | | | | | | | | belov | , | below lical Officer |) |
| (Street) NORTH BILLERICA MA 01862 (City) (State) (Zip) | | | | | 4. If | 4. If Amendment, Date of Original Filed (Month/Day/Year) | | | | | | | | | Individual or Joint/Group Filing (Check Applicable Line) X Form filed by One Reporting Person Form filed by More than One Reporting Person | | | | |
| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned | | | | | | | | | | | | | | | | | | | |
| Date | | | | | Date Ex- | | 2A. Deemed Execution Date, if any (Month/Day/Year) | | Code | Transaction Disposed Code (Instr. 5) | | ties Acquired (A) I Of (D) (Instr. 3, 4 | | | 4 and Sec Ber | | ount of ities icially d Following | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | | | | | Code | v | Amount | | (A) or (D) | Price | • | Transa | action(s) 3 and 4) | | (111341. 4) |
| Common Stock 09/04/ | | | | | |)4/2018 | | | | | 2,945 | | D | \$15.55 | | 8 | 7,861 | D | |
| | Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities) | | | | | | | | | | | | | | | | | | |
| 1. Title of Derivative Security (Instr. 3) | 2. Conversion or Exercise Price of Derivative Security | 3. Transaction Date (Month/Day/Year) | Execution if any | 3A. Deemed Execution Date, if any (Month/Day/Year) | | 4. Transaction Code (Instr. 8) | | n of | | 6. Date Exercisable and Expiration Date (Month/Day/Year) | | | 7. Title and Amount of Securities Underlying Derivative Security (Instr. and 4) | | | | 9. Number of derivative Securities Beneficially Owned Following Reported Transactions (Instr. 4) | Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
| | | | | | Code | v | (A) | (D) | Date Exercisa | | Expiration Date | Title | or Nui of | ount mber ares | | | | | |

Explanation of Responses:

1. The transaction reported on this Form 4 represents the disposition of shares withheld by the Company to satisfy withholding tax liabilities of the Reporting Person associated with the vesting of restricted stock previously granted and reported on a previously filed Form 4.

Remarks:

/s/ Michael P. Duffy, attorneyin-fact 09/05/2018

** Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

- * If the form is filed by more than one reporting person, see Instruction 4 (b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.