FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

| OMB APPROVAL | | | | | | | | | |
|--------------------------|-----------|--|--|--|--|--|--|--|--|
| OMB Number: | 3235-0287 | | | | | | | | |
| Estimated average burden | | | | | | | | | |
| 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* ESSIG STUART | | | | | IN | 2. Issuer Name and Ticker or Trading Symbol INTEGRA LIFESCIENCES HOLDINGS CORP [IART] | | | | | | | | | | all app | blicable) ctor | ıg Pei | Person(s) to Issuer 10% Owner | |
|--|--|------|-----------|---|---|---|--|--|--------------------------------------|---------------|--|-------|------|---------------------------|--|---|---|---|--|--|
| (Last) (First) (Middle) 311 C ENTERPRISE DRIVE | | | | | 3. Date of Earliest Transaction (Month/Day/Year) 05/22/2015 | | | | | | | | | | | Officer (give title below) | | | Other (specify below) | |
| (Street) PLAINSI (City) | NJ 08536 | | | | | 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 | | | | | |
| | | Tabl | e I - Nor | n-Deriv | ative | Se | curitie | s Ac | quired, | Dis | posed o | f, or | Bene | efici | ally (| Owne | ed | | | |
| Da | | | | | 2. Transaction Date (Month/Day/Year) | | 2A. Deemed Execution Date, if any (Month/Day/Year | | Transaction Disposed Code (Instr. 5) | | rities Acquired (A) ed Of (D) (Instr. 3, | | | 4 and Secu Bene Own | | cially I Following | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | | 7. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | | | | | | v | Amount | (A) or (D) | | Price | • | Transa | Reported ransaction(s) Instr. 3 and 4) | | | (111501.4) | | |
| Common Stock | | | | | 05/22/2015 | | | | A | | 3,037 | 7 A | | \$ <mark>0</mark> . | .00 | 959,846 | | | 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) (Month/Day/Year) 3. Transaction Date Execution Date, if any (Month/Day/Year) | | Date, | 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) | | | t | | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction (Instr. 4) | Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | Ownership Form: Direct (D) or Indirect | 11. Nature of Indirect Beneficial Ownership (Instr. 4) | |
| | | | | | Code V | | (A) | (D) | | | Expiration Date | of | | res | | | | | | |

Explanation of Responses:

Remarks:

/s/ Richard D. Gorelick; 05/27/2015 Attorney-in-Fact

** 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.