FORM 4

# UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

| OMB APPROVAL |
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hours per response:

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0.5

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

### STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

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

| 1. Name and Address of Reporting Person* <u>Arduini Peter J</u> |   |  |   |                               | 2. Issuer Name <b>and</b> Ticker or Trading Symbol INTEGRA LIFESCIENCES HOLDINGS |   |     |  |      |                    |   |                                 | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable)                           |   |  |   |  |  |  |
|---|---|--|---|-------------------------------|--|---|-----|--|------|--------------------|---|---------------------------------|---|---|--|---|--|--|--|
|   |   |  |   |                               | CORP [ IART ]  |   |     |  |      |                    |   |                                 |   | Director  |  |   | 10% Owr  | ner  |  |
| (Last) (First) (Middle)   |   |  |   |                               |  |   |     |  |      |                    |   |                                 |   | Officer (g<br>below)                                | ive title  |   | Other (sp<br>below)  | ecify  |  |
| 311 C ENTERPRISE DRIVE  |   |  |   |                               | 3. Date of Earliest Transaction (Month/Day/Year) 01/03/2012                      |   |     |  |      |                    |   |                                 |   | President & CEO                                     |  |   |  |  |  |
| (Street) PLAINSBORO NJ 08536                                    |   |  | 3536  | 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 |   |  |   |  |  |  |
| (City) (State) (Zip)  |   | p)   | _   |                               |  |   |     |  |      |                    |   |                                 | Form filed by More than One Reporting Perso   |   |  |   |  |  |  |
|   |   | Tab  | le I - Non-De   | rivativ                       | e Se   | curities  | Acq | uired, C   | Disp | osed of            | , or Ben  | eficial                         | ly Ov   | vned  |  |   |  |  |  |
| Date  |   |  |   | ransaction<br>e<br>nth/Day/Ye | ear)   i   | 2A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) |     | 3. 4. Securitie Disposed Code (Instr. 8)                       |      |                    | es Acquired (A) or<br>Of (D) (Instr. 3, 4 and 5   |                                 | 15)   S   | 6. Amount<br>Securities<br>Beneficiall<br>Dwned Fol | y Forn   |   | Direct Ir<br>Indirect B<br>tr. 4) C                                      | 7. Nature of<br>Indirect<br>Beneficial<br>Ownership                |  |
|   |   |  |   |                               |  |   |     |  | v    | Amount             | (A) or<br>(D)   | Price                           | т   |   | orted<br>saction(s)<br>cr. 3 and 4)  |   |  | nstr. 4)   |  |
|   |   | Т  | able II - Der<br>(e.g                                       |                               |  |   |     |  |      | sed of, o          |   |                                 | Owr   | ned   |  |   |  |  |  |
| Derivative Security (Instr. 3)                                  | 2.<br>Conversion<br>or Exercise<br>Price of<br>Derivative<br>Security | 3. Transaction<br>Date<br>(Month/Day/Year) | 3A. Deemed<br>Execution Date,<br>if any<br>(Month/Day/Year) | Code                          |  |   |     | 6. Date Exercisable and<br>Expiration Date<br>(Month/Day/Year) |      |                    | 7. Title and Amount<br>of Securities<br>Underlying<br>Derivative Security<br>(Instr. 3 and 4) |                                 | De<br>Se  | 8. Price of<br>Derivative<br>Security<br>(Instr. 5) | 9. Number of<br>derivative<br>Securities<br>Beneficially<br>Owned<br>Following<br>Reported | у | 10.<br>Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr. 4) | 11. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |  |
|   |   |  |   | Code                          | v  | (A)   | (D) | Date<br>Exercisab  |      | Expiration<br>Date | Title   | Amoun<br>or<br>Numbe<br>of Shar | r   |   | Transaction(s)<br>(Instr. 4)   |   |  |  |  |
| Restricted<br>Stock<br>Units/Contract                           | \$0.00 <sup>(1)</sup>   | 01/03/2012                                 |   | A                             |  | 118,363   |     | (1)  |      | (1)                | Common<br>Stock   | 118,3                           | 63  | \$0.00  | 152,493  |   | D  |  |  |

## Explanation of Responses:

1. The award was a contract stock unit award which will vest in three annual equal installments on the first, second and third anniversaries of the grant date of 01/03/2012 and will be distributed to Mr. Arduini within 30 days following the first business day that occurs immediately following the six month period after the date of his separation of service as deferred compensation. This award is subject to accelerated vesting upon termination of employment by reason of death or disability or upon a change of control.

#### Remarks:

/s/ Kathryn Lamping; Attorneyin-Fact 01/04/2012

\*\* Signature of Reporting Person Date

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

- $^{\star}$  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.

Know all by these presents, that the undersigned hereby authorizes Richard Gorelick, Kathryn Lamping, Richard Porter and Mythili Seshan to execute for and on behalf of the undersigned Forms 3, 4 and 5, and any amendments thereto, and cause such form(s) to be filed with the United States Securities and Exchange Commission pursuant to Section 16(a) of the Securities Act of 1934, relating to the undersigned's beneficial ownership of securities in Integra LifeSciences Holdings Corporation (the "Company"). The undersigned also authorizes the above persons to execute for and on behalf of the undersigned any Form ID or similar document required to obtain or renew Securities and Exchange Commission electronic filings codes and passwords and cause such form(s) to be submitted to and/or filed with the Securities and Exchange Commission. The undersigned hereby grants to each such attorney-in-fact full power and authority to do and perform any and every act and thing whatsoever requisite, necessary, or proper to be done in the exercise of any of the rights and powers herein granted, as fully to all intents and purposes as the undersigned might or could do if personally present, with full power of substitution or revocation, hereby ratifying and confirming all that such attorney-in-fact, or such attorney-in-fact's substitute or substitutes, shall lawfully do or cause to be done by virtue of this power of attorney and the rights and powers herein granted. The undersigned acknowledges that the foregoing attorneys-in-fact, in serving in such capacity at the request of the undersigned, are not assuming, nor is the Company assuming, any of the undersigned's responsibilities to comply with Section 16 of the Securities Exchange Act of 1934.

This Power of Attorney shall remain in full force and effect until the undersigned is no longer required to file Forms 3, 4 and 5 with respect to the undersigned's holdings of, and transactions in, securities issued by the Company, unless earlier revoked by the undersigned in a signed writing delivered to the foregoing attorneys-in-fact.

IN WITNESS WHEREOF, the undersigned has caused this Power of Attorney to be executed as of this 1st day of November, 2010.

/s/ Peter J. Arduini Print Name: Peter J. Arduini