FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

OMB APPROVAL									
OMB Number: 3235-0287									
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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					<u>II</u>	2. Issuer Name and Ticker or Trading Symbol INTEGRA LIFESCIENCES HOLDINGS CORP [IART]							(Ch	eck all applic	•		on(s) to Issu 10% Ow Other (s	/ner	
(Last) (First) (Middle) 311 C ENTERPRISE DRIVE						3. Date of Earliest Transaction (Month/Day/Year) 03/04/2010								X below) CITIEN (Specify below) President & CEO					
(Street) PLAINS (City)		IJ State)	08536 (Zip)		4.	If Ame	endme	ent, Date (of Original Filed (Month/Day/Year)				Line	Individual or Joint/Group Filing (Check Applicable ne) X Form filed by One Reporting Person Form filed by More than One Reporting Person					
		Ta	ble I - No	n-De	rivativ	ve Se	ecur	ities Ac	quired,	Dis	posed o	of, or Be	neficiall	y Owned					
1. Title of Security (Instr. 3) 2. Tran: Date (Month				Execui Day/Year) if any		eemed ution Date, th/Day/Yea	Transaction Di		4. Securities Acquired (A) Disposed Of (D) (Instr. 3, 4			Beneficia Owned F	s ally ollowing	Form (D) or	: Direct I r Indirect I str. 4)	Ownership			
								Code	v	Amount	(A) c	Price	Reported Transact (Instr. 3 a	ion(s)			(Instr. 4)		
Common Stock			03/	04/20	4/2010					282,08	86 A	\$11	1 1,358,144			D			
Common Stock			03/	/04/2010				F		94,28	6 D	\$42.1	.9 1,26	1,263,858		D			
Common Stock (03/	04/20	4/2010					73,54	6 D	\$42.1	.9 1,19	1,190,312		D				
			Table II -								osed of converti			Owned			,		
1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	Execution D			Transaction Code (Instr.		Derivative		6. Date Exercisa Expiration Date (Month/Day/Yea		of Securit		8. Price of Derivative Security (Instr. 5)	9. Number derivative Securities Beneficia Owned Following Reported	e	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	Beneficial Ownership (Instr. 4)	
						v	V (A) (D)		Date Exercisal		Expiration Date	Title	Amount or Number of Shares		Transaction(s) (Instr. 4)				
Non- Qualified Stock Option (right to buy)	\$11	03/04/2010			М			136,613	(1)	1	12/22/2010	Common Stock	136,613	\$0.00	145,473		D		
Non- qualified Stock Option (right to	\$11	03/04/2010			M			145,473	(1)	1	12/22/2010	Common Stock	145,473	\$0.00	0		D		

Explanation of Responses:

1. 62,500 shares became exercisable on December 22, 2002 and the remaining shares have vested monthly over the next 36 months.

Remarks:

/s/ Kathryn Lamping; Attorneyin-fact

03/08/2010

** 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.