#### SELECT MEDICAL HOLDINGS CORP

Form 4

Common

Stock

12/18/2012

12/18/2012

December 19, 2012

December 1	9, 2012										
FORM 4 UNITED STATES SECURITIES AND EXCHANGE COMMISSION							OMB APPROVAL				
Washington, D.C. 20549								3235-0287			
Check the character of	ger so STATEM 16.	MENT OF CHA		N BENEFIC RITIES	WNERSHIP OF	Expires: Estimated a burden houresponse	ırs per				
Form 5 obligations may continue.  See Instruction 1(b).  Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940											
(Print or Type	Responses)										
1. Name and Address of Reporting Person * 2. Issue WELSH PATRICK J Symbol			ol	nd Ticker or Tra		5. Relationship of Issuer	5. Relationship of Reporting Person(s) to Issuer				
			ECT MEDI P [SEM]	ICAL HOLD	INGS	(Check	(Check all applicable)				
(Month/I			e of Earliest ( h/Day/Year)	Fransaction			DirectorX10% Owner Officer (give title Other (specify below)				
ANDERSC	SH, CARSON, ON & STOWE, 32 SUITE 2500		3/2012			celony	5610 11)				
	(Street)	Street) 4. If Amendment, Date Original Filed(Month/Day/Year)				<ul><li>6. Individual or Joint/Group Filing(Check</li><li>Applicable Line)</li><li>_X_ Form filed by One Reporting Person</li></ul>					
NEW YOR	aK, NY 10022					Form filed by M Person					
(City)	(State)	(Zip) T	able I - Non-	Derivative Sec	urities A	Acquired, Disposed of	, or Beneficia	lly Owned			
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	ansaction Date 2A. Deemed nth/Day/Year) Execution Date, if any (Month/Day/Year)		omr Disposed of (Instr. 3, 4 an	of (D) d 5) (A) or	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)			
Common Stock	12/18/2012		Code V <u>J(1)</u>	4,785,554			I	By Welsh, Carson, Anderson & Stowe			
								*** * 5 (2)			

<u>J(1)</u>

<u>J(1)</u>

214,446

44,789

D (1)

A

<u>(1)</u>

2,221,694

379,675

I

D

IX, L.P. (2)
By WCAS
Capital

Partners IV, L.P. (2)

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Common Stock

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

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 control number.

SEC 1474

(9-02)

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)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transact Code (Instr. 8)	5. orNumber of Derivativ Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5)	5	ate	7. Titl Amou Under Secur (Instr.	ınt of rlying	8. Price of Derivative Security (Instr. 5)	9. Nu Deriv Secur Bene Owne Follo Repo Trans (Instr
				Code V	(A) (D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares		

# **Reporting Owners**

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

WELSH PATRICK J C/O WELSH, CARSON, ANDERSON & STOWE 320 PARK AVENUE, SUITE 2500 NEW YORK, NY 10022



## **Signatures**

/s/David Mintz, Attorney-in-Fact

\*\*Signature of Reporting Person Date

### **Explanation of Responses:**

- \* 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).
- (1) In kind distribution of shares by Welsh, Carson, Anderson & Stowe IX, L.P. and WCAS Capital Partners IV, L.P. pro rata to their respective partners.
- (2) The Reporting Person is a managing member of the respective sole general partners of Welsh, Carson, Anderson & Stowe IX, L.P. and WCAS Capital Partners IV, L.P. Pursuant to Instruction (4)(b)(iv) of Form 4, the Reporting Person has elected to report as indirectly

Reporting Owners 2

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beneficially owned the entire number of securities beneficially owned by each such entity. The Reporting Person disclaims beneficial ownership of any securities, and any proceeds thereof, that exceed his pecuniary interest therein and/or that are not actually distributed to him.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.