

INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

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 *			2. Date of Event Requiring Statement (MM/DD/YYYY)		3. Issuer Name and Ticker or Trading Symbol		
Shah Pritesh			7/1/2018		NovoCure Ltd [NVCR]		
(Last) (First) (Middle)			4. Relationship of Reporting Person(s) to Issuer (Check all applicable)				
C/O NOVOCURE INC., 20 VALLEY STREAM PARKWAY, SUITE 300			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Chief Commercial Officer /				
(Street)			5. If Amendment, Date Original Filed (MM/DD/YYYY)		6. Individual or Joint/Group Filing (Check Applicable Line)		
MALVERN, PA 19355					<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
(City) (State) (Zip)							

Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
Ordinary Shares	5231	D	

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Options to Buy Ordinary Shares	(1)	5/1/2028	Ordinary Shares	30000	\$27.60	D	
Options to Buy Ordinary Shares	(2)	2/27/2028	Ordinary Shares	67586	\$21.15	D	
Options to Buy Ordinary Shares	(3)	7/26/2027	Ordinary Shares	50000	\$19.25	D	
Options to Buy Ordinary Shares	(4)	5/2/2027	Ordinary Shares	50000	\$11.85	D	
Options to Buy Ordinary Shares	(5)	2/22/2027	Ordinary Shares	65000	\$7.15	D	
Options to Buy Ordinary Shares	(6)	2/24/2026	Ordinary Shares	24963	\$11.46	D	
Options to Buy Ordinary Shares	(7)	2/24/2026	Ordinary Shares	10037	\$11.46	D	
Options to Buy Ordinary Shares	(8)	3/5/2025	Ordinary Shares	17739	\$14.37	D	
Options to Buy Ordinary Shares	(9)	3/5/2025	Ordinary Shares	5913	\$14.37	D	

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			
Options to Buy Ordinary Shares	(10)	2/26/2024	Ordinary Shares	59130	\$7.48	D	
Options to Buy Ordinary Shares	(11)	2/20/2023	Ordinary Shares	8869	\$7.03	D	
Options to Buy Ordinary Shares	(12)	11/13/2022	Ordinary Shares	23652	\$6.72	D	
Restricted Stock Units	(13)	5/1/2028	Ordinary Shares	7000	\$0.00	D	
Restricted Stock Units	(14)	2/27/2028	Ordinary Shares	9259	\$0.00	D	
Restricted Stock Units	(15)	2/22/2027	Ordinary Shares	39000	\$0.00	D	

Explanation of Responses:

- (1) One-quarter of these options will vest on each of May 1, 2019, 2020, 2021 and 2022, subject to the reporting person's continued employment through such dates.
- (2) One-quarter of these options will vest on each of February 27, 2019, 2020, 2021 and 2022, subject to the reporting person's continued employment through such dates.
- (3) One-quarter of these options will vest on each of July 26, 2018, 2019, 2020 and 2021, subject to the reporting person's continued employment through such dates.
- (4) One-quarter of these options will vest on each of May 2, 2018, 2019, 2020 and 2021, subject to the reporting person's continued employment through such dates.
- (5) One-quarter of these options vest on each of February 22, 2018, 2019, 2020 and 2021, subject to the reporting person's continued employment through such dates.
- (6) One-quarter of these options vest on each of February 24, 2017, 2018, 2019 and 2020, subject to the reporting person's continued employment through such dates.
- (7) Options to buy 1,311 ordinary shares will fully vest and become exercisable on February 24, 2019 and options to buy 8,726 ordinary shares will fully vest and become exercisable on February 24, 2020.
- (8) Options to buy 17,739 ordinary shares are vested and currently exercisable as of the date hereof.
- (9) Options to buy 5,913 ordinary shares will fully vest and become exercisable on February 25, 2019.
- (10) Options to buy 59,130 ordinary shares are vested and currently exercisable as of the date hereof.
- (11) Options to buy 8,869 ordinary shares are vested and currently exercisable as of the date hereof.
- (12) Options to buy 23,652 ordinary shares are vested and currently exercisable as of the date hereof.
- (13) One-third of these restricted stock units are scheduled to vest on each of May 1, 2019, 2020 and 2021, subject to the reporting person's continued employment through such dates.
- (14) One-third of these restricted stock units are scheduled to vest on each of February 27, 2019, 2020 and 2021, subject to the reporting person's continued employment through such dates.
- (15) One-third of these restricted stock units are scheduled to vest on each of February 22, 2018, 2019 and 2020, subject to the reporting person's continued employment through such dates.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Shah Pritesh C/O NOVOCURE INC., 20 VALLEY STREAM PARKWAY, SUITE 300 MALVERN, PA 19355			Chief Commercial Officer	

Signatures

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 5(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 control number.