

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 * Benaim Ely (Last) (First) (Middle)	2. Date of Event Requiring Statement (MM/DD/YYYY) 7/24/2019	3. Issuer Name and Ticker or Trading Symbol NovoCure Ltd [NVCR]
C/O NOVOCURE INC., 20 VALLEY STREAM PARKWAY, SUITE 300 (Street)	4. Relationship of Reporting Person(s) to Issuer (Check all applicable) ___ Director <input checked="" type="checkbox"/> Officer (give title below) Chief Medical Officer /	5. If Amendment, Date Original Filed (MM/DD/YYYY)
MALVERN, PA 19355 (City) (State) (Zip)	6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person ___ Form filed by More than One Reporting Person	

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)
Restricted Share Units	12616 (1)	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	(2)	5/7/2029	Ordinary Shares	23072	\$47.56	D	

Explanation of Responses:

- (1) One-third of these restricted stock units are scheduled to vest on each of May 8, 2020, 2021 and 2022, subject to the reporting person's continued employment through such dates.
- (2) Options to buy 23,072 ordinary shares will vest and become exercisable in equal installments on each of May 8, 2020, 2021, 2022 and 2023, subject to the reporting person's continued employment through such dates.

Reporting Owners

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

Signatures

/s/ **Kimberly Burke Attorney in Fact for Ely Benaim**

8/1/2019

**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 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.