

FORM 4

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

UNITED STATES SECURITIES AND EXCHANGE COMMISSION  
Washington, D.C. 20549

OMB APPROVAL  
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STATEMENT OF CHANGES IN 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. Issuer Name and Ticker or Trading Symbol       | 5. Relationship of Reporting Person(s) to Issuer<br>(Check all applicable)                                                                                                                   |
| <b>Danziger Asaf</b>                                              | <b>Novocure Ltd [ NVCR ]</b>                      | <input checked="" type="checkbox"/> Director _____ 10% Owner<br><input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below)<br><b>Chief Executive Officer</b> |
| (Last) (First) (Middle)                                           | 3. Date of Earliest Transaction (MM/DD/YYYY)      |                                                                                                                                                                                              |
| <b>C/O NOVOCURE INC., 20 VALLEY<br/>STREAM PARKWAY, SUITE 300</b> | <b>7/14/2017</b>                                  |                                                                                                                                                                                              |
| (Street)                                                          | 4. If Amendment, Date Original Filed (MM/DD/YYYY) | 6. Individual or Joint/Group Filing (Check Applicable Line)                                                                                                                                  |
| <b>MALVERN, PA 19355</b>                                          |                                                   | <input checked="" type="checkbox"/> Form filed by One Reporting Person<br><input type="checkbox"/> Form filed by More than One Reporting Person                                              |
| (City) (State) (Zip)                                              |                                                   |                                                                                                                                                                                              |

| Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned |                |                                         |                              |   |                                                                         |               |        |                                                                                                     |                                                                         |                                                                   |
|----------------------------------------------------------------------------------|----------------|-----------------------------------------|------------------------------|---|-------------------------------------------------------------------------|---------------|--------|-----------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1. Title of Security<br>(Instr. 3)                                               | 2. Trans. Date | 2A. Deemed<br>Execution<br>Date, if any | 3. Trans. Code<br>(Instr. 8) |   | 4. Securities Acquired (A)<br>or Disposed of (D)<br>(Instr. 3, 4 and 5) |               |        | 5. Amount of Securities Beneficially Owned<br>Following Reported Transaction(s)<br>(Instr. 3 and 4) | 6. Ownership<br>Form:<br>Direct (D)<br>or Indirect<br>(I) (Instr.<br>4) | 7. Nature<br>of Indirect<br>Beneficial<br>Ownership<br>(Instr. 4) |
|                                                                                  |                |                                         | Code                         | V | Amount                                                                  | (A) or<br>(D) | Price  |                                                                                                     |                                                                         |                                                                   |
| Ordinary Shares                                                                  | 7/14/2017      |                                         | M                            |   | 354780                                                                  | A             | \$0.38 | 812362                                                                                              | D                                                                       |                                                                   |

| Table II - Derivative Securities Beneficially Owned ( e.g. , puts, calls, warrants, options, convertible securities) |                                                        |                |                                   |                           |   |                                                                                        |                                         |            |                                                                                   |                 |                                            |                                                                                                    |                                                                                  |                                                        |
|----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|----------------|-----------------------------------|---------------------------|---|----------------------------------------------------------------------------------------|-----------------------------------------|------------|-----------------------------------------------------------------------------------|-----------------|--------------------------------------------|----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|--------------------------------------------------------|
| 1. Title of Derivate Security (Instr. 3)                                                                             | 2. Conversion or Exercise Price of Derivative Security | 3. Trans. Date | 3A. Deemed Execution Date, if any | 4. Trans. Code (Instr. 8) |   | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 6. Date Exercisable and Expiration Date |            | 7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4) |                 | 8. Price of Derivative Security (Instr. 5) | 9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4) | 10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4) | 11. Nature of Indirect Beneficial Ownership (Instr. 4) |
|                                                                                                                      |                                                        |                |                                   | Code                      | V |                                                                                        |                                         |            | Date Exercisable                                                                  | Expiration Date |                                            |                                                                                                    |                                                                                  |                                                        |
| Options to Buy Ordinary Shares                                                                                       | \$0.38                                                 | 7/14/2017      |                                   | M                         |   | 354780                                                                                 | (1)                                     | 10/12/2020 | Ordinary Shares                                                                   | 354780          | \$0.00                                     | 0                                                                                                  | D                                                                                |                                                        |

Explanation of Responses:  
(1) Fully vested and currently exercisable as of the date hereof.

Reporting Owners

| Reporting Owner Name / Address                                                                                             | Relationships |           |                                |       |
|----------------------------------------------------------------------------------------------------------------------------|---------------|-----------|--------------------------------|-------|
|                                                                                                                            | Director      | 10% Owner | Officer                        | Other |
| <b>Danziger Asaf</b><br><b>C/O NOVOCURE INC.</b><br><b>20 VALLEY STREAM PARKWAY, SUITE 300</b><br><b>MALVERN, PA 19355</b> | <b>X</b>      |           | <b>Chief Executive Officer</b> |       |

Signatures  
By: /s/ Todd Longworth, Attorney in fact for Asaf Danziger  
Signature of Reporting Person

7/18/2017  
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 control number.