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

FORM 8-K

CURRENT REPORT
Pursuant to Section 13 or 15(d)
of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): May 5, 2023

MICROBOT MEDICAL INC.
(Exact name of registrant as specified in its charter)

Delaware	**000-19871**	**94-3078125**
(State or other jurisdiction of incorporation)	**(Commission File Number)**	**(IRS Employer Identification No.)**

25 Recreation Park Drive, Unit 108
Hingham, Massachusetts 02043
(Address of Principal Executive Offices) (Zip Code)

Registrant's telephone number, including area code: (781) 875-3605

(Former Name or Former Address, if Changed Since Last Report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

☐ Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

☐ Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

☐ Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

☐ Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	**Trading Symbol(s)**	**Name of each exchange on which registered**
Common Stock, $0.01 par value	MBOT	NASDAQ Capital Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2).

Emerging Growth Company ☐

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. ☐

Item 7.01 Regulation FD Disclosure.

On May 5, 2023, Microbot Medical Inc. (the "Company") issued a press release announcing that has received the histopathology report from the European-based MedTech research laboratory that performed the animal study for the Company's LIBERTY Robotic System in October 2022 (the "Animal Study").

During the Animal Study, the physicians conducted 63 navigations to the targeted sites using the investigational LIBERTY Robotic System and performed an equal number of procedures manually. The LIBERTY Robotic System received overwhelmingly positive feedback from participating physicians, and there were no observable immediate intraoperative adverse events, or harm, to the test subjects.

The new data from the report, which included histopathology data (the microscopic examination of tissue to study the manifestations of disease), exhibited equivocal results which were identified as related to unusual physiological animal responses in both manual and robotic test groups.

The Company believes the results of the Animal Study allow it to move forward and focus on the next phases to ultimately include a U.S.-based pivotal pre-clinical study.

The Company, together with its regulatory experts and consultants, believe a larger sample size and robust data generated by this study will advance the Company's efforts towards the submission of Investigational Device Exemption (IDE) with the U.S. Food and Drug Administration (FDA).

The press release, which is furnished as Exhibit 99.1 to this Current Report on Form 8-K, is incorporated herein by reference. The information in this report (including Exhibit 99.1) is being furnished pursuant to Item 7.01 and shall not be deemed to be "filed" for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities of that section. This report will not be deemed an admission as to the materiality of any information herein (including Exhibit 99.1).

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits

Exhibit Number	**Description**
99.1	Press Release dated May 5, 2023
104	Cover Page Interactive Data File (embedded within the Inline XBRL document)

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

MICROBOT MEDICAL INC.

By: */s/ Harel Gadot*
Name: Harel Gadot
Title: Chief Executive Officer, President and Chairman

Date: May 5, 2023

Exhibit 99.1

Microbot Medical Announces Final Data From Its Recent Animal Study

Data supports next regulatory steps for the LIBERTY Robotic System

HINGHAM, Mass., May 5, 2023 – Microbot Medical Inc. (Nasdaq: MBOT), the developer of the LIBERTY® Robotic System, the first single-use endovascular robotic system, has received the histopathology report from the European-based MedTech research laboratory that performed the animal study for the LIBERTY Robotic System in October 2022.

During the animal study, the physicians conducted 63 navigations to the targeted sites using the investigational LIBERTY Robotic System and performed an equal number of procedures manually. The LIBERTY Robotic System received overwhelmingly positive feedback from participating physicians, and there were no observable immediate intraoperative adverse events, or harm, to the test subjects.

The new data from the report, which included histopathology data (the microscopic examination of tissue to study the manifestations of disease), exhibited equivocal results which were identified as related to unusual physiological animal responses in both manual and robotic test groups.

The Company believes the results of the study allow it to move forward and focus on the next phases to ultimately include a U.S.-based pivotal pre-clinical study.

The Company, together with its regulatory experts and consultants, believe a larger sample size and robust data generated by this study will advance the company's efforts towards the submission of Investigational Device Exemption (IDE) with U.S. Food and Drug Administration (FDA).

About Microbot Medical

Microbot Medical Inc. (NASDAQ: MBOT) is a pre-clinical medical device company that specializes in transformational micro-robotic technologies, with the goals of improving clinical outcomes for patients and increasing accessibility through the natural and artificial lumens within the human body.

The LIBERTY Robotic System aims to improve the way surgical robotics are being used in endovascular procedures today, by eliminating the need for large, cumbersome, and expensive capital equipment, while reducing radiation exposure and physician strain. The Company believes the LIBERTY Robotic System's remote operation has the potential to be the first system to democratize endovascular interventional procedures.

Further information about Microbot Medical is available at http://www.microbotmedical.com.

Public Relations Contact:
Michal Efraty

+972-(0)52-3044404
IR@microbotmedical.com

Safe Harbor

Statements to future financial and/or operating results, future growth in research, technology, clinical development, and potential opportunities for Microbot Medical Inc. and its subsidiaries, along with other statements about the future expectations, beliefs, goals, plans, or prospects expressed by management, constitute forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 and the Federal securities laws. Any statements that are not historical fact (including, but not limited to statements that contain words such as "will," "believes," "plans," "anticipates," "expects" and "estimates") should also be considered to be forward-looking statements. Forward-looking statements involve risks and uncertainties, including, without limitation, market conditions, risks inherent in the development and/or commercialization of potential products, including LIBERTY and the One & Done™ technologies, the outcome of its studies to evaluate LIBERTY, the One & Done™ technologies and other existing and future technologies, any failure or inability to recruit physicians and clinicians to serve as primary investigators to conduct regulatory studies which could adversely affect or delay such studies, uncertainty in the results of pre-clinical and clinical trials or regulatory pathways and regulatory approvals, uncertainty resulting from the COVID-19 pandemic, need and ability to obtain future capital, and maintenance of intellectual property rights. Additional information on risks facing Microbot Medical can be found under the heading "Risk Factors" in Microbot Medical's periodic reports filed with the Securities and Exchange Commission (SEC), which are available on the SEC's web site at www.sec.gov. Microbot Medical disclaims any intent or obligation to update these forward-looking statements, except as required by law.