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

**FORM 6-K**

**REPORT OF FOREIGN PRIVATE ISSUER PURSUANT TO RULE 13a-16 OR 15d-16  
UNDER THE SECURITIES EXCHANGE ACT OF 1934**

**For the month of October 2024**

Commission File Number: **001-40552**

**NYXOAH SA**

(Translation of registrant's name into English)

**Rue Edouard Belin 12, 1435 Mont-Saint-Guibert, Belgium**

(Address of principal executive office)

Indicate by check mark whether the registrant files or will file annual reports under cover of Form 20-F or Form 40-F.

Form 20-F ☒      Form 40-F ☐

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(1): ☐

**Note:** Regulation S-T Rule 101(b)(1) only permits the submission in paper of a Form 6-K if submitted solely to provide an attached annual report to security holders.

Indicate by check mark if the registrant is submitting the Form 6-K in paper as permitted by Regulation S-T Rule 101(b)(7): ☐

**Note:** Regulation S-T Rule 101(b)(7) only permits the submission in paper of a Form 6-K if submitted to furnish a report or other document that the registrant foreign private issuer must furnish and make public under the laws of the jurisdiction in which the registrant is incorporated, domiciled or legally organized (the registrant's "home country"), or under the rules of the home country exchange on which the registrant's securities are traded, as long as the report or other document is not a press release, is not required to be and has not been distributed to the registrant's security holders, and, if discussing a material event, has already been the subject of a Form 6-K submission or other Commission filing on EDGAR.

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**Nyxoah SA**

On October 7, 2024, Nyxoah SA (the “Company”) issued a press release, a copy of which is attached hereto as Exhibit 99.1.

*The information in the attached Exhibit 99.1 is being furnished and shall not be deemed “filed” for the purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities of that Section, nor shall it be deemed incorporated by reference in any filing made by the Company under the Securities Act of 1933, as amended, or the Exchange Act, except as otherwise set forth herein or as shall be expressly set forth by specific reference in such a filing.*

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**Exhibits**

[99.1](#)      [Press Release, dated October 7, 2024](#)

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## 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.

**NYXOAH SA**

Date: October 7, 2024

By: /s/ Loic Moreau

Name: Loic Moreau

Title: Chief Financial Officer

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**INSIDE INFORMATION  
REGULATED INFORMATION****Nyxoah Raises \$27 Million through its At-the-Market Offering**

*Investment by a new U.S.-based healthcare investor, strengthening the balance sheet and reinforcing U.S. focus*

**Mont-Saint-Guibert, Belgium – October 7, 2024, 11:00pm CET / 5:00pm ET – Nyxoah SA** (Euronext Brussels/Nasdaq: NYXH) (“Nyxoah” or the “Company”), a medical technology company that develops breakthrough treatment alternatives for Obstructive Sleep Apnea (OSA) through neuromodulation, today announced that the Company has sold 3.0 million shares raising \$27.0 million in gross proceeds pursuant to the Company’s \$50 million at-the-market (“ATM”) offering at a price per share equal to the market price on the Nasdaq Global Market at the time of sale. The shares were sold, based on interest received, to a single U.S.-based healthcare investor. Cantor Fitzgerald & Co. is acting as the sales agent for the ATM offering.

The ordinary shares described above were sold by the Company pursuant to the Company’s shelf registration statement on Form F-3 (File No. 333-268955), filed with the Securities and Exchange Commission (“SEC”) on December 22, 2022, which became effective on January 6, 2023, and which included a prospectus supplement and accompanying prospectus related to the ATM offering. Copies of the prospectus supplement and accompanying prospectus related to the ATM offering may be obtained from Cantor Fitzgerald & Co., attention: Capital Markets, 110 East 59th Street, 6th Floor, New York, New York 10022; email: [prospectus@cantor.com](mailto:prospectus@cantor.com). Electronic copies of the prospectus are also available on the SEC's website at <http://www.sec.gov>.

Olivier Taelman, Chief Executive Officer of Nyxoah, commented: “After relocating to the United States with my family this past summer, this investment reinforces our United States focus, builds on our compelling DREAM pivotal study data presented at the International Surgical Sleep Society (ISSS) congress and strengthens our financial position, providing additional opportunities as we are preparing for the launch of Genio® in the United States.”

**About Nyxoah**

Nyxoah is reinventing sleep for the billion people that suffer from obstructive sleep apnea (OSA). We are a medical technology company that develops breakthrough treatment alternatives for OSA through neuromodulation. Our first innovation is Genio®, a battery-free hypoglossal neuromodulation device that is inserted through a single incision under the chin and controlled by a wearable. Through our commitment to innovation and clinical evidence, we have shown best-in-class outcomes for reducing OSA burden.



Following the successful completion of the BLAST OSA study, the Genio® system received its European CE Mark in 2019. Nyxoah completed two successful IPOs: on Euronext Brussels in September 2020 and NASDAQ in July 2021. Following the positive outcomes of the BETTER SLEEP study, Nyxoah received CE mark approval for the expansion of its therapeutic indications to Complete Concentric Collapse (CCC) patients, currently contraindicated in competitors' therapy. Additionally, the Company announced positive outcomes from the DREAM IDE pivotal study for FDA and U.S. commercialization approval.

**Caution** – CE marked since 2019. Investigational device in the United States. Limited by U.S. federal law to investigational use in the United States.

## **FORWARD-LOOKING STATEMENTS**

Certain statements, beliefs and opinions in this press release are forward-looking, which reflect the Company's or, as appropriate, the Company directors' or managements' current expectations regarding the Genio® system; planned and ongoing clinical studies of the Genio® system; the potential advantages of the Genio® system; Nyxoah's goals with respect to the development, regulatory pathway and potential use of the Genio® system; the utility of clinical data in potentially obtaining FDA approval of the Genio® system; and reporting data from Nyxoah's DREAM U.S. pivotal trial; receipt of FDA approval; entrance to the U.S. market; and the anticipated closing and use of the proceeds from the offering. By their nature, forward-looking statements involve a number of risks, uncertainties, assumptions and other factors that could cause actual results or events to differ materially from those expressed or implied by the forward-looking statements. These risks, uncertainties, assumptions and factors could adversely affect the outcome and financial effects of the plans and events described herein. Additionally, these risks and uncertainties include, but are not limited to, the risks and uncertainties set forth in the "Risk Factors" section of the Company's Annual Report on Form 20-F for the year ended December 31, 2023, filed with the Securities and Exchange Commission ("SEC") on March 20, 2024, and subsequent reports that the Company files with the SEC. A multitude of factors including, but not limited to, changes in demand, competition and technology, can cause actual events, performance or results to differ significantly from any anticipated development. Forward looking statements contained in this press release regarding past trends or activities are not guarantees of future performance and should not be taken as a representation that such trends or activities will continue in the future. In addition, even if actual results or developments are consistent with the forward-looking statements contained in this press release, those results or developments may not be indicative of results or developments in future periods. No representations and warranties are made as to the accuracy or fairness of such forward-looking statements. As a result, the Company expressly disclaims any obligation or undertaking to release any updates or revisions to any forward-looking statements in this press release as a result of any change in expectations or any change in events, conditions, assumptions or circumstances on which these forward-looking statements are based, except if specifically required to do so by law or regulation. Neither the Company nor its advisers or representatives nor any of its subsidiary undertakings or any such person's officers or employees guarantees that the assumptions underlying such forward-looking statements are free from errors nor does either accept any responsibility for the future accuracy of the forward-looking statements contained in this press release or the actual occurrence of the forecasted developments. You should not place undue reliance on forward-looking statements, which speak only as of the date of this press release.



This press release does not constitute an offer to sell or a solicitation of an offer to buy the securities in the offering, nor shall there be any sale of these securities in any jurisdiction in which an offer, solicitation or sale would be unlawful prior to registration or qualification under the securities laws of such jurisdiction.

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