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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 November 2023**

**Commission File Number: 001-40858**

**XORTX Therapeutics Inc.**

**3710 – 33rd Street NW, Calgary, Alberta, T2L 2M1**

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

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**SIGNATURE**

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.

**XORTX Therapeutics Inc.**  
(Registrant)

Date: November 8, 2023

By: /s/ Allen Davidoff  
Name: Allen Davidoff  
Title: Chief Executive Officer

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**EXHIBIT INDEX**

99.1 [News release dated November 8, 2023](#)

## XORTX Announces Share Consolidation

CALGARY, Alberta, Nov. 08, 2023 (GLOBE NEWSWIRE) -- XORTX Therapeutics Inc. ("XORTX" or the "Company") (NASDAQ: XRTX | TSXV: XRTX | Frankfurt: ANU), a late-stage clinical pharmaceutical company focused on developing innovative therapies to treat progressive kidney disease, announces that the Company's board of directors has approved consolidating (the "Consolidation") its common shares ("Shares") on the basis of one post-consolidation Share for every nine pre-consolidation Shares, effective November 9, 2023 (the "Effective Date").

The Consolidation has been approved by the TSX Venture Exchange (the "TSXV") and follows approval of a consolidation of the Shares on the basis of a range of up to nine pre-consolidation Shares for every one post-consolidation Share at the special meeting of shareholders of the Company held on October 27, 2023. As a result of the Consolidation, the number of issued and outstanding Shares will be reduced from 17,989,687 to approximately 1,998,854, subject to adjustment for rounding. No fractional shares will be issued in connection with the Consolidation. If a holder of Shares would otherwise be entitled to a fraction of a share, then the number of post-Consolidation Shares issuable to such shareholder shall be rounded down to the next lower whole number. No cash consideration will be paid in respect of fractional shares. The exercise or conversion price and/or the number of Shares issuable under any of the Company's outstanding convertible securities will be proportionately adjusted in connection with the Consolidation.

The Shares will continue to trade on the TSXV and the Nasdaq Capital Market ("Nasdaq") under the symbol "XRTX" on a post-Consolidation basis, under a new CUSIP number – 98420Q306. The Shares are expected to begin trading on a post-consolidation basis on the TSXV and Nasdaq when markets open on or about Friday, November 10, 2023.

Shareholders of record as of the Effective Date will receive a letter of transmittal from TSX Trust Company, the transfer agent for the Shares, providing instructions for the exchange of their Shares as soon as practicable following the Effective Date. Until surrendered, each share certificate representing pre-Consolidation Shares will represent the number of whole post-Consolidation shares to which the holder is entitled as a result of the Consolidation.

### About XORTX Therapeutics Inc.

XORTX is a pharmaceutical company with two clinically advanced products in development: 1) our lead, XRx-008 program for ADPKD; and 2) our secondary program in XRx-101 for acute kidney and other acute organ injury associated with Respiratory Viral infection. In addition, XRx-225 is a pre-clinical stage program for Type 2 Diabetic Nephropathy. XORTX is working to advance its clinical development stage products that target aberrant purine metabolism and xanthine oxidase to decrease or inhibit production of uric acid. At XORTX, we are dedicated to developing medications to improve the quality of life and future health of patients with kidney disease. Additional information on XORTX is available at [www.xortx.com](http://www.xortx.com).

For more information, please contact:

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*Neither the TSX Venture Exchange nor Nasdaq has approved or disapproved the contents of this news release. No stock exchange, securities commission or other regulatory authority has approved or disapproved the information contained herein.*

### Forward Looking Statements

This press release contains express or implied forward-looking statements pursuant to U.S. Federal securities laws. These forward-looking statements and their implications are based on the current expectations of the management of XORTX only, and are subject to a number of factors and uncertainties that could cause actual results to differ materially from those described in the forward-looking statements. Except as otherwise required by law, XORTX undertakes no obligation to publicly release any revisions to these forward-looking statements to reflect events or circumstances after the date hereof or to reflect the occurrence of unanticipated events. More detailed information about the risks and uncertainties affecting XORTX is contained under the heading "Risk Factors" in XORTX's Registration Statement on Form F-1 filed with the SEC, which is available on the SEC's website, [www.sec.gov](http://www.sec.gov) (including any documents forming a part thereof or incorporated by reference therein), as well as in our reports, public disclosure documents and other filings with the securities commissions and other regulatory bodies in Canada, which are available on [www.sedarplus.ca](http://www.sedarplus.ca).