

ADVANCED TISSUE SCIENCES INC
Form SC 13G/A
February 11, 2002

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SCHEDULE 13G

(Rule 13d-102)

Information to be Included in Statements Filed Pursuant to Rule 13d-1(b), (c) and (d) and Amendments Thereto Filed Pursuant to Rule 13d-2.

SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

Under the Securities Exchange Act of 1934
(Amendment No. 1)*

Advanced Tissue Sciences, Inc.

(Name of Issuer)

Common Stock, \$.01 par value

(Title of Class of Securities)

00755F 10 3

(CUSIP Number)

December 31, 2001

(Date of Event Which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

// Rule 13d-1(b)

/x/ Rule 13d-1(c)

// Rule 13d-1(d)

*The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter the disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be "filed" for the purpose of Section 18 of the Securities Exchange Act of 1934 ("Act") or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

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1 NAMES OF REPORTING PERSONS/I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

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Medtronic, Inc. (41-0793183)

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) ** (a) // (b) //

**Joint Filing

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Minnesota

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH 5 SOLE VOTING POWER

5,376,344

6 SHARED VOTING POWER

7 SOLE DISPOSITIVE POWER

5,376,344

8 SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,376,344

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) //

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

7.4%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

CO

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1 NAMES OF REPORTING PERSONS/I.R.S. IDENTIFICATION NOS. OF ABOVE PERSONS (ENTITIES ONLY)

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Medtronic International, Ltd. (41-1278948)

2 CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP (SEE INSTRUCTIONS) ** (a) // (b) //

**Joint Filing

3 SEC USE ONLY

4 CITIZENSHIP OR PLACE OF ORGANIZATION

Delaware

NUMBER OF SHARES BENEFICIALLY OWNED BY EACH REPORTING PERSON WITH

5 SOLE VOTING POWER

5,376,344

6 SHARED VOTING POWER

7 SOLE DISPOSITIVE POWER

5,376,344

8 SHARED DISPOSITIVE POWER

9 AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

5,376,344

10 CHECK IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES (SEE INSTRUCTIONS) //

11 PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

7.4%

12 TYPE OF REPORTING PERSON (SEE INSTRUCTIONS)

CO

The purpose of this Amendment is to substitute Medtronic International, Ltd. for Medtronic Asset Management, Inc. as a Reporting Person as a result of the merger, effective December 31, 2001, of Medtronic Asset Management, Inc. with and into Medtronic International, Ltd.

Item 1(a) Name of Issuer:

Advanced Tissue Sciences, Inc.

Item 1(b) Address of Issuer's Principal Executive Offices:

10933 North Torrey Pines Road
La Jolla, California 92037-1005

Item 2(a) Name of Person Filing:

See Cover Pages, Item 1

Item 2(b) Address of Principal Business Office or, if none, residence:

710 Medtronic Parkway
Minneapolis, Minnesota 55432-5604

Item 2(c) Citizenship:

See Cover Pages, Item 4

Item 2(d) Title of Class of Securities:

Common Stock, \$.01 par value

Item 2(e) CUSIP No.:

See Cover Pages

Item 3 If this statement is filed pursuant to Rule 13d-1(b), or 13d-2(b) or (c), check whether the person filing is a:

- (a) // Broker or dealer registered under Section 15 of the Exchange Act.
- (b) // Bank as defined in Section 3(a)(b) of the Exchange Act.
- (c) // Insurance company as defined in Section 3(a)(19) of the Exchange Act.
- (d) // Investment company registered under Section 8 of the Investment Company Act.
- (e) // An investment adviser in accordance with Rule 13d-1(b)(1)(ii)(E).
- (f) // An employee benefit plan or endowment fund in accordance with Rule 13d-1(b)(1)(ii)(F).
- (g) // A parent holding company or control person in accordance with Rule 13d-1(b)(1)(ii)(G).
- (h) // A savings association as defined in Section 3(b) of the Federal Deposit Insurance Act.
- (i) // A church plan that is excluded from the definition of an investment company under Section 3(c)(14) of the Investment Company Act.
- (j) // Group, in accordance with Rule 13d-1(b)(1)(ii)(J).

If this statement is filed pursuant to Rule 13d-1(c), check this box. /x/

By: /s/ CAROL E. MALKINSON

Carol E. Malkinson

Assistant Secretary

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