

CTI MOLECULAR IMAGING INC  
Form SC 13G  
February 12, 2004

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

**SCHEDULE 13G**  
**Under the Securities Exchange Act of 1934**  
**(Amendment No. 7)\***

CTI MOLECULAR IMAGING INC

(Name of Issuer)

Common Stock

(Title of Class of Securities)

22943D105

(CUSIP Number)

12/31/2003

(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)

Rule 13d-1(c)

Rule 13d-1(d)

CUSIP No. 22943D105

1. Names of Reporting Persons.  
I.R.S. Identification Nos. of above persons (entities only).

Wachovia Corporation 56-0898180

(Formerly named First Union Corporation)

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2. Check the Appropriate Box if a Member of a Group (See Instructions)

(a)

(b)

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3. SEC Use Only
- 

4. Citizenship or Place of Organization

North Carolina

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Number of  
Shares  
Beneficially  
Owned by  
Each Reporting  
Person With

5. Sole Voting Power

1089598

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6. Shared Voting Power

0

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7. Sole Dispositive Power

1089598

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8. Shared Dispositive Power

0

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9. Aggregate Amount Beneficially Owned by Each Reporting Person. 1089598

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10. Check if the Aggregate Amount in Row (11) Excludes Certain Shares (See Instructions) Not Applicable.

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11. Percent of Class Represented by Amount in Row (11) 2.41%

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12. Type of Reporting Person (See Instructions)

Parent Holding Company (HC)

Item 1.

(a) Name of Issuer

CTI MOLECULAR IMAGING INC

(b) Address of Issuer's Principal Executive Offices

810 Innovation Drive

Knoxville, TN 37932

Item 2.

(a) Name of Person Filing

Wachovia Corporation

(b) Address of Principal Business Office or, if none, Residence

One Wachovia Center

Charlotte, North Carolina 28288-0137

(c) Citizenship

North Carolina

(d) Title of Class of Securities

Common Stock

(e) CUSIP Number

929903102

Item 3. If this statement is filed pursuant to sections 240.13d-1(b) or 240.13d-2(b) or (c), check whether the person filing is a:

- |     |      |   |
|-----|------|---|
| (a) | [ ]  | Broker or dealer registered under section 15 of the Act (15 U.S.C. 78o).  |
| (b) | [ ]  | Bank as defined in section 3(a)(6) of the Act (15 U.S.C. 78c).  |
| (c) | [ ]  | Insurance company as defined in section 3(a)(19) of the Act (15 U.S.C. 78c).  |
| (d) | [ ]  | Investment company registered under section 8 of the Investment Company Act of 1940 (15 U.S.C 80a-8).   |
| (e) | [ ]  | An investment adviser in accordance with section 240.13d-1(b)(1)(ii)(E);  |
| (f) | [ ]  | An employee benefit plan or endowment fund in accordance with section 240.13d-1(b)(1)(ii)(F);   |
| (g) | [X ] | A parent holding company or control person in accordance with section 240.13d-1(b)(1)(ii)(G);   |
| (h) | [ ]  | A savings associations as defined in Section 3(b) of the Federal Deposit Insurance Act (12 U.S.C. 1813);  |
| (i) | [ ]  | A church plan that is excluded from the definition of an investment company under section 3(c)(14) of the Investment Company Act of 1940 (15 U.S.C. 80a-3); |
| (j) | [ ]  | Group, in accordance with section 240.13d-1(b)(1)(ii)(J).   |

Item 4. Ownership.

Provide the following information regarding the aggregate number and percentage of the class of securities of the issuer identified in Item 1.

- |     |  |
|-----|--|
| (a) | Amount beneficially owned: <u>1089598</u> .  |
| (b) | Percent of class: <u>2.41%</u> .             |
| (c) | Number of shares as to which the person has: |

- (i) Sole power to vote or to direct the vote  
1089598  
.
- (ii) Shared power to vote or to direct the vote  
0  
.
- (iii) Sole power to dispose or to direct the disposition of 1089598.