

SMITH & NEPHEW PLC  
Form 6-K  
December 24, 2009

**SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549**

**Report of Foreign Private Issuer**

**Pursuant to Rule 13a-16 or 15d-16  
of the Securities Exchange Act of  
1934**

December 24, 2009

Commission File Number 001-14978

**SMITH & NEPHEW plc**  
(Registrant's name)

**15 Adam Street**  
**London, England WC2N 6LA**  
(Address of registrant's principal executive offices)

[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 | <input checked="" type="checkbox"/> | Form 40-F | <input type="checkbox"/> |
| ---       |                                     | ---       |                          |

[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).]

|     |                          |     |                                     |
|-----|--------------------------|-----|-------------------------------------|
| Yes | <input type="checkbox"/> | No  | <input checked="" type="checkbox"/> |
| --- |                          | --- |                                     |

[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).]

|     |                          |     |                                     |
|-----|--------------------------|-----|-------------------------------------|
| Yes | <input type="checkbox"/> | No  | <input checked="" type="checkbox"/> |
| --- |                          | --- |                                     |

[Indicate by check mark whether by furnishing the information contained in this Form, the registrant is also thereby furnishing information to the

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Commission pursuant to Rule 12g3-2 (b) under the Securities Exchange Act of 1934.]

Yes                      No X  
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If "Yes" is marked, indicate below the file number assigned to the registrant in connection with Rule 12g3-2 (b) : 82- n/a.

**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.

Smith & Nephew Plc  
(Registrant)

Date: December 24, 2009

By: /s/ Susan Henderson  
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Susan Henderson  
Company Secretary

Smith & Nephew PLC

24 December 2009

Smith & Nephew PLC - Transaction in Own Shares

Smith & Nephew PLC announces that on  
24 December  
2009  
it

transferred  
50,000  
ordinary shares of US\$0.20  
to  
RBC Cees  
Trustee Limited, the Trustee of the Smith & Nephew 2004 Employees'  
Share Trust. The shares will be used to satisfy options and awards under  
various Company Share Plans.

The transferred shares were all formerly held as Treasury Shares.

Following the above transfer,  
Smith & Nephew PLC holds  
64,729,855  
ordinary shares in treasury, and has  
886,193,279  
ordinary shares in issue (excluding treasury shares).

Susan Henderson  
Company Secretary