



# DEFECT & INVESTIGATION CENTRE

## FOR ACTION BY:

Chief Executive of each HSS Trust  
General Manager/Chief Executive of each HSS Board  
General Manager/Chief Executive of each Agency  
General Practitioners

Stoney Road Dundonald  
Belfast  
Northern Ireland BT16 1US

ADVICE NOTICE (NI) 2000/03

Date: 13 March 2000

Telephone 01232 523745  
Facsimile 01232 523900  
GTN Code 440

Product	:	<b>Accord (Johnson-Elloy) System Total Knee Replacement</b>
Manufacturer/ Supplier	:	Chas F Thackray Ltd Deputy International Ltd CMK Orthopaedic Products Ltd
Issue	:	Poor mid-to late-term implant performance, associated with bone loss
Action	:	Do not implant this device

## 1. ATTENTION CHIEF EXECUTIVES/GENERAL MANAGERS

This Advice Notice should be brought to the immediate attention of all who need to know, or be aware of it including those listed below, in accordance with local procedures, and immediate action should be taken as detailed overleaf:

- ◆ Orthopaedic Surgeons
- ◆ Clinical Directors
- ◆ Accident and Emergency Consultants
- ◆ Theatre Managers
- ◆ Risk Managers
- ◆ Supplies Managers
- ◆ Directors of Public Health
- ◆ Registration Inspection Units
- ◆ Private Hospitals
- ◆ Safety Liaison Officers

Boards/Trusts should ensure that if appropriate, this information is passed to ALL persons having the responsibility for premises registered under "THE REGISTERED HOMES (NI) ORDER 1992".

## 2. IMMEDIATE ACTION

**ADVICE NOTICE**



Do not implant this device.

Isolate any remaining stock and return to the appropriate manufacturer (see Enquiries below).

Identify patients who have received this device. Recall them for clinical and radiological assessment if they are not already undergoing routine follow up (see Background below).

Report any cases of implant failure to NIDIC and the appropriate manufacturer.

### 3. BACKGROUND

The Accord (Johnston-Elloy) total knee replacement was introduced in 1982 and manufactured by Chas F Thackray Ltd, DePuy International Ltd and CMK Orthopaedic Products Ltd until 1996. It is a meniscal-bearing knee, with a conical ultra-high molecular weight polyethylene meniscal insert which is usually stabilised by a metal peg. A total of 1449 devices were distributed to 36 centres in the UK. To aid in the identification of this product, an anterior-posterior profile of the tibial component is shown in Figure 1.

Figure 1: A-P profile of the Accord (Johnston-Elloy) knee tibial component.

A paper published in 1993<sup>1</sup> reported good outcomes in the Accord knee at 5-8 years post implantation. However, a paper presented in 1999<sup>2</sup> relating to 94 Accord (Johnston-Elloy) total knee replacements implanted in 83 patients reported implant survival of 94% at 5 years, but only 58% survival at 10 years. The Department has also received reports of unsatisfactory performance from two other major implanting centres.

Reports from the implanting centres indicate that long term failure modes include:

- Aseptic loosening of the cemented tibial and femoral components associated with meniscus instability, subluxation and dislocation;
- Severe loosening in cases where cement was not used with the tibial component;
- Patella mal-tracking and dislocation;
- Low tolerance to ligament mal-balance.

The implant has been reported as failing with significant loss of femoral and tibial bone stock. Follow up is therefore recommended in order to identify patients at risk.

DePuy International Ltd is issuing a letter to implanting centres regarding product distributed by themselves and by Chas F. Thackray Ltd. Although CMK Orthopaedic Products Ltd has ceased trading, a contact name is given below.

### 4. REFERENCES

1. Five to eight year results of the Johnston-Elloy (Accord) Total Knee Arthroplasty. R Johnston *et al.* J Arthroplasty, 8, 1, 1993, 27-32.
2. The 8-12 year results of the Johnston-Elloy (Accord) Total Knee replacement. MR Norton *et. al* Paper presented at British Orthopaedic Association Meeting, Glasgow, September 1999.

### 5. ENQUIRIES

Enquiries to the manufacturer should be addressed to:

**Chas F. Thackray Ltd and DePuy International Ltd:**

Mr Paul Arnott  
DePuy International Ltd  
St Anthony's Road  
Leeds  
LS11 8DT

Tel: 01132700461  
Fax: 01132724101

**CMK Orthopaedic Products Ltd (no longer trading):**

Dr Martin Elloy  
Beechwood House  
Church Street  
Church Fenton  
North Yorkshire  
LS24 9RD

Tel: 07970650656 (mobile)

Enquiries regarding this notice should be addressed to:

NORTHERN IRELAND DEFECT & INVESTIGATION CENTRE (NIDIC)  
Health Estates  
Estate Policy  
Stoney Road  
Dundonald  
Belfast BT16 1US            *marked for the attention of Mr Brian Godfrey*

Tel: 028 90 523714  
Fax: 028 90 523900  
Email: [brian.godfrey@dhssni.gov.uk](mailto:brian.godfrey@dhssni.gov.uk)

Yours faithfully

Brian Godfrey  
Defect Centre Manager

HOW TO REPORT DEFECTS

Professional Estate Letter PEL(93)36 issued by Estate Services Directorate, on 27th July 1994 advises Health and Social Services Boards, HSS Trusts and agencies how to notify HPSS about accidents with and defects in medicinal products, buildings and plant, medical devices and other medical and non medical equipment and supplies.