

**SOUTHMEAD HEALTH SERVICES NHS TRUST**

**PRODUCT EVALUATIONS**

**Tempur Pedic (UK)    \*Tempur-Med Combi**

**\*Tempur-Med Overlay**

**\*Tempur-Med Cushion**

**Julie Gore  
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On behalf of the Pressure Sore Management Advisory Group**

**October 1997**

## **TEMPUR PEDIC (UK) LTD**

### **Evaluation 1: Tempur-Med Combi Replacement Mattress**

#### **Description**

Suitable for medium to high risk patients. Foam mattress with a two way stretch vapour permeable cover. Mattress can be used as a complete replacement programme as a supportive mattress is not required. Guarantee 8 years, covers can be washed at 95° or disinfectant. Covered with incontinence cover and welded seams.

#### **Cost**

£388 - £485 + VAT depending on number purchased.

#### **Areas evaluating product**

Orthopaedic Ward

Elderly Mental Health Ward

Medical Ward

#### **Evaluation – Orthopaedic Ward**

Mr S, 43 years old, bilateral hip reolacements

Reviewed alternate days for 10 days

	<b>on admission</b>	<b>Day 2</b>	<b>Day 4</b>	<b>Day 6</b>	<b>Day 8</b>	<b>Day 10</b>
<b>Skin condition</b>	In tact	Superficial area sacrum	Superficial area sacrum	Superficial area sacrum	Superficial area sacrum	Superficial area sacrum
<b>Waterlow score</b>	8	12	11	9	9	8
<b>Turning</b>	Mobile	3 hrly	4 hrly	Mobile	Mobile	Mobile
<b>Transferring</b>	Mobile	Easy	Easy	Easy	Easy	Easy
<b>Positioning</b>	Mobile	Easy	Easy	Easy	Easy	Easy
<b>Comfort</b>	Not applicable	Very good	Very good	Very good	Very good	Very good
<b>Cleaning</b>	Not applicable	Easy	Easy	Easy	Easy	Easy

#### **Additional Commets**

The surface of the mattress is slightly matt, so easyglide needs to be properly positioned. Slightly wide for the bed base made it difficult to lift when needing to put out back rest. Patient found it very comfortable. Superficial redness noted on day 2, which did not appear to deteriorate. Overall a very positive evaluation.

**N.B. New Tempur Mattress now available – medium / high risk  
6 year Guarantee . Cost:£190-£285 (depending on quantity purchased)**

## Evaluation 2: Tempur-Med Mattress Overlay

### **Description**

As for the Combi mattress, but 3” thick, therefore used with supporting surface. This was used in theatres, but does not represent the operating table pad that is available. These are customized and replace the whole mattress.

### **Cost**

£312-£390+VAT depending on number purchased.

### **Areas evaluating product**

Accident and Emergency

Orthopaedic Theatres

General Theatres

Plaster Suite (in progress)

### **Evaluation – Theatres**

Operation: Biopsy

Length of operation: 30 mins.

	<b>Comment</b>
<b>Skin condition-prior to surgery</b>	All areas intact
<b>-after surgery</b>	Red area on sacrum
<b>Transferring onto table</b>	Easy
<b>Transferring off table</b>	Easy
<b>Positioning / Turning patients</b>	Not applicable
<b>Use of positioning props</b>	Difficult
<b>Cleaning</b>	Not applicable

### **Additional Comments**

Mattress too big for table therefore making appliance of supports difficult.

Operation: Median nerve release

Length of operation: 30 mins.

	<b>Comment</b>
<b>Skin condition-prior to surgery</b>	All areas intact
<b>-after surgery</b>	All areas intact
<b>Transferring onto table</b>	Difficult
<b>Transferring off table</b>	Difficult
<b>Positioning / Turning patients</b>	Difficult
<b>Use of positioning props</b>	Difficult
<b>Cleaning</b>	Easy

### Evaluation – Medical Ward

Mr p,78 years old, Cerebral Vascular Accident

Reviewed every 3-4 days for 12 days

	<b>On admission</b>	<b>Day 1</b>	<b>Day 4</b>	<b>Day 6</b>	<b>Day 14</b>
<b>Skin condition</b>	Partial thickness sacrum	Partial thickness sacrum	Superficial area sacrum	All areas intact	All areas intact
<b>Waterlow score</b>	20	20	20	20	20
<b>Turning</b>	1.5 hrly	2 hrly	2 hrly	2 hrly	3 hrly
<b>Transferring</b>	Not applicable	Easy	Easy	Difficult	Easy
<b>Positioning</b>	Not applicable	Easy	Easy	Difficult	Easy
<b>Comfort</b>	Not applicable	Good	Very good	Very good	Very good
<b>Cleaning</b>	Not applicable	Not applicable	Not applicable	Not applicable	Easy

### Additional comments

Day 1: Hip slightly pink within a few minutes pinkness fades.

No marking on other occasions.

Day 6: Does not mark between turns. Sacral sore healed.

Transferring patient difficult because dependant on ability of patient at the time.

Overall a positive evaluation.

### Evaluation – Mental Health Ward

Staff gave verbal evaluation.

Mrs. E, Severe personality disorder

Fractured hip in plaster hip spica

Very high risk Waterlow score

Very short sleeping pattern, usually less than 30 minutes per night.

Patient found it very comfortable, sleeping pattern improved to 2 hours per night. Much less agitated.

Easy to move patient and to clean.

Difficult to evaluate effectiveness of pressure sore prevention because of hip spica, however no red areas were recorded on other pressure points.

Staff thought this type of mattress is ideal for their category of client (elderly, with mental and physical problems).

## **Evaluation – Accident and Emergency**

Used as a trolley topper for patients with various conditions.  
Verbal feedback from Staff in the Unit

Very easy to use  
Moving patients not problematic  
Patients found it very comfortable

They are interested in purchasing

**Currently being evaluated in the Plaster Suite, Orthopaedic Unit**

## **Evaluation 3: Tempur – Med Seat Cushion**

### **Description**

Same material as mattresses, with vapour permeable or Tervira cotton two way stretch cover. Anti slip base and available to two weight categories (below or above 14 stones). Also available in curved or flat cushion. Welded seams, incontinence cover and 3 year Guarantee

### **Cost**

Depending on size and number purchased.  
Range £80-£135 + VAT

First evaluation in progress on an Orthopaedic Ward.

## **Background**

Prevention of pressure sores is important not only for patients, but also for the health services. There are numerous products available, which makes selection sometimes difficult. Using the forum of Pressure Sore Management Advisory Group a number of new products have been evaluated in various clinical areas since June 1997. At present there is a Working Group looking into the rental of dynamic systems and therefore it was not appropriate to evaluate them in this document. The results of those evaluations will be available later this year.

Despite the review of the rental agreements it is recognized that equipment still needs to be purchased and this usually includes the static systems. This document will review those product evaluations, with the intention of providing an unbiased view of the effectiveness of the equipment. This will enable staff to be guided when selecting new purchases.

Different clinical areas have different requirements, so therefore it was decided to trial them in various places. These included;

- an Orthopaedic Ward
- a Medical Ward
- Orthopaedic Theatres
- General Theatres
- Accident and Emergency
- A Mental Health Ward
- Plaster Suite

It was not appropriate to trial everything in all areas, so within each section the areas where the product was trialed will be identified. It is essential that staff who would be using the equipment on a daily basis evaluated the products and I am therefore grateful all clinical staff for taking time out to complete the forms.

Julie Gore  
October 1997