

# NORS Surgical Procedure Packs & Consumables tariff

**Caring Expert Quality** 



# **Development of Custom Surgical Procedure Packs**



# **Current Status**

All NORS teams negotiate the supply of surgical consumables directly from a range of suppliers and are reimbursed by NHSBT via standard tariffs ("the consumables tariff")

The majority purchase individual consumable items directly from a range of suppliers or manufacturers

A small number of NORS teams currently use a variation of pre-prepared procedure packs

# **Problems**



The current process is not cost-effective

There is no standardisation of surgical consumables

There are no assurances that consumables purchased independently by NORS centres comply with relevant regulations and guidelines

The current consumables tariff does not reimburse NORS centres for consumables in line with clinical practice (current tariff established 2012 and no longer accurate).



# **Future Status**

The majority of surgical Consumables would be supplied in a 'Procedure Pack' format via a single supplier

A framework agreement with supplier meaning NORS centres <u>can</u> order directly from single supplier

Reimbursement for consumables based on procedure pack cost via consumables tariff



# **Benefits**

- Guarantees that surgical consumables meet all relevant regulations and guidelines in terms of manufacturing and decontamination
- Full tractability and compliant with EU MDR 2020
- Secure supply as framework agreement specifies contingency
- Improved safety through standardisation
- Cost effective
- Minimises waste and duplication



## **Safety Colour-Coding for Organs**

	Sterile Bowl	Organ Bag labels	Box labels
Right Kidney		$\checkmark$	$\checkmark$
Left Kidney		$\checkmark$	$\checkmark$
Liver		$\checkmark$	$\checkmark$
Pancreas		$\checkmark$	$\checkmark$
Heart	$\checkmark$	$\checkmark$	$\checkmark$
Lungs		$\checkmark$	$\checkmark$
Heart Valves		$\checkmark$	$\overline{\mathbf{A}}$
Retrieval $\longrightarrow$ Transport $\longrightarrow$ Implantation			



### 2018-

- Survey of all NORS centres undertaken to identify what consumables are currently used
- Based on responses, proposed procedure pack contents list produced and circulated for comment
- Final Procedure pack contents list agreed
- Prior Information Notice published to consult with market



### 2019-

- A number of suppliers expressed interest
- One supplier passed essential criteria
- Framework agreement signed with successful bidder
- Procurement Strategy approved and Tender process commenced





### A 4 year framework agreement between NHSBT and Clonallon Laboratories Ltd

**Three Pack types:** 

- Basic NORS Retrieval Pack
- Abdominal Proceeding Pack
- Cardiothoracic Proceeding Pack

Contents of all packs will be reviewed on a regular basis with the supplier.

### **Basic NORS Retrieval Pack**



- Initial pack to be opened
- Used for all Non-proceeding & proceeding retrievals
- Contains all necessary consumables for initial laparotomy, sternotomy, organ assessment & initial aortic perfusion (DCD)– for use by <u>both</u> abdominal and cardiothoracic teams
- Cost reimbursement to PRIMARY\* NORS team for all donor attendances

\* Primary NORS team is the Abdominal team in all circumstances with the exception of donor attendances where ONLY a Cardiothoracic team is is attendance



## Abdominal Proceeding Retrieval Pack

- Pack only opened following decision made by lead retrieval surgeon that abdominal organ retrieval will proceed
- Contains all necessary consumables for retrieval and packing of Kidneys, Liver, Pancreas & heart valve tissue.
- Cost reimbursement to Abdominal NORS team for all donor attendances where the intention is that at least ONE abdominal organ will be retrieved

The definition of proceeding is where the lead retrieval surgeon has made a decision that the retrieval will proceed. It does not necessarily mean that organs are subsequently retrieved.



### Cardiothoracic Proceeding Retrieval Pack

- Pack only opened following decision made by lead retrieval surgeon that Cardiothoracic organ retrieval will proceed
- Contains all necessary consumables for retrieval and packing of Heart and Lungs
- Cost reimbursement to Cardiothoracic NORS team for all donor attendances where the intention is that at least ONE cardiothoracic organ will be retrieved

The definition of 'proceeding' is where the lead retrieval surgeon has made a decision that the retrieval will proceed. It does not necessarily mean that organs are subsequently retrieved.



### **Basic NORS Retrieval Pack**

### **Interior Contents**

- 2 Pennine Pooles Suction tip
- 1 Basin Ring 6000ml
- 1 A4 Label 3 Peelable Stickers
- 1 Mayo Stand Cover 80cm x 145cm
- 2 Back Table Cover, 150cm x 200cm
- 5 Raytec 45X45cm 12 Ply TPD (200)
- 1 1000ml Jug with handle
- 1 Bag Yellow Folded Self Adhesive 29 x42cm
- 1 Header Bag 50cm x 66cm
- 1 Needle Counter 20 Count Foam/Magnet
- 2 Transparent Kidney Dish, 800ml
- 10 Raytec Woven Gauze Swabs 30cm 12ply, Tied 5's with tape
- 5 Raytec Swabs 10cm x 10cm 32 ply Tied 5's
- 1 Add-On Exterior Pack for 5010 (Basic ORP)
- 2 Back Table Cover, 150cm x 190cm
- 2 Suction tubing 3 metres X 6mm
- 1 Bowl 2500ml
- 3 Bowl 500ml
- 1 Label with "Basin Stand Cover
- 1 Cardiovascular Drape 300cm x 200cm x 347cm, (Reinforced)
- 1 Pennine Yankauer sucker Midi Medium

### **Exterior Pouch Contents**

- 3 Ethicon Mersilk Black 1x1M
- 1 Ethicon Vicryl 6x45 2/0
- 1 Vicryl Plus VIO 6x45cm M1.5 USP4/0
- 2 Ethicon Vicryl Suture Violet 1
- 1 Ethicon Bone Wax 2.5G Sterile (Box of 12)
- 1 Diathermy Holster
- 1 Electrosurgical Pencil, push button control, 320cm cable
- 1 Instrument Tip Cleaner, 5cm x 5cm
- 1 Blue Flat Pouch 200\*400mm
- 1 Baxter Uromatic irrigation set Y-type

### £80:71

### **NHS** Blood and Transplant





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#### Basic - Organ Retrieval Pack - NHSBT

1x THORACIC DRAPE, 200CM X 300CM X 340CM	2x KIDNEY DISH, 800ML (TRANSLUCENT)
WITH INCISE APERTURE 65CM X 77CM	
1x BACK TABLE COVER, 150CM X 230CM	1x FAST FLOW, IRRIGATION SET, 230CM
2x TROLLEY COVER, 160CM X 200CM (FOLDED)	2x SUCTION TUBING, 7MM X 300CM
1x MAYO TABLE COVER, REINFORCED, 80CM X 145CM	2x SUCTION TIP WITH RETRACTABLE SHEATH
1x JUG WITH HANDLE, 800ML	1x MAGNETIC SHARPS CONTAINER
	(20 COUNT)
1x CLINICAL WASTE BAG	
	Within Exterior Pouch
1x WHITE XRD SWABS, 10CM X 10CM (TIED IN 5'S)	1x DIATHERMY PENCIL WITH 300CM CABLE,
—	TIP CLEANER, BLADE & HOLSTER
1x WHITE XRD SWABS, 30CM X 30CM (TIED IN 5'S)	2x ETHICON NO.1 VICRYL TIE, ABSORBABLE
	VIOLET, 150CM
1x WHITE XRD SWABS, 45CM X 45CM (TIED IN 5'S)	1x ETHICON 2/0 VICRYL BRAIDED TIE,
	VIOLET, ABSORBABLE, 6 X 45CM
3x ROUND BOWL, 500ML	1x ETHICON 4/0 VICRYL TIE, ABSORBABLE
	VIOLET, 6 X 45CM
1x ROUND BOWL, 3000ML	2x ETHICON BONEWAX, 2.5G
1x ROUND BOWL, 6000ML	3x ETHICON MERSILK, BLACK, 1 X 100CM

#### DO NOT USE IF PACKAGING IS DAMAGED/OPEN. DO NOT REUSE ANY OF THE COMPONENTS WITHIN THIS PROCEDURE PACK.







## Abdominal Proceeding Retrieval Pack



### **Interior Contents**

- 5 Raytec 45X45cm 12 Ply T5's TPD (200)
- 1 50 x 75mm Label
- 1 A4 Label 3 Peelable Stickers
- 1 Red Bowl, 2500ml
- 1 Yellow Bowl, 2500ml
- 1 50ml Catheter Tip Syringe
- 1 Green Flat Pouch 420mm x 600mm
- 1 VESSEL LOOP, WHITE MAXI (2.5mm wide)
- 1 VESSEL LOOP, YELLOW MAXI (2.5mm wide)
- 1 VESSEL LOOP, BLUE MAXI (2.5mm wide)
- 2 VESSEL LOOP, RED MAXI (2.5mm wide)
- 15 Raytec Swabs 10cm x 10cm 32 ply Tied 5's
- 15 Raytec Woven Gauze Swabs 30cm 12ply, Tied 5's with tape
- 1 Back Table Cover 100cm x 140cm
- 1 Add-On Exterior Pack for 5011
- 2 Blue Bowl 2500ml
- 2 LEFT KIDNEY Label Yellow (50mm x 100mm)
- 2 LIVER Label Green (50mm x 100mm)
- 2 PANCREAS Label Blue (50mm x 100mm)
- 2 RIGHT KIDNEY Label Red (50mm x 100mm)
- 6 Isolation Transport Bag 33 x 25cm -13"x10"
- 2 HEART TISSUE Label White (50mm x 100mm)
- 1 3500ml Mint Green Bowl

### **Exterior Pouch Contents**

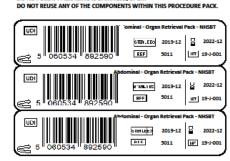
- 6 Intestinal Bags 33cm (opening) x 25cm
- 1 Electrode, Long Diathermy Blade 6" (15.2cm)
- 1 Argyle Vascular Tourniquet Kit 13cm
- 1 Green Flat Pouch 75mm x 200mm
- 3 Isolation Transport Bag 51cm x 51cm -20"x20"

### £77:99





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Abdominal - Organ Retrieval Pack - NHSBT			
1x BACK TABLE COVER, 100CM X 140CM	3x WHITE XRD SWABS, 30CM X 30CM (TED IN 5 <sup>°</sup> S)		
1x ROUND BOWL, 2500ML RED	3x WHITE XRD SWABS, 10CM X 10CM (TIED IN 5'S)		
1x ROUND BOWL, 2500ML YELLOW	1x LABEL		
2x ROUND BOWL, 2500ML BLUE	1X LABEL		
1x VESSEL LOOPS, WHITE			
2x VESSEL LOOPS, RED			
1x VESSEL LOOPS, BLUE			
1x VESSEL LOOPS, YELLOW	Within Exterior Pouch		
6x INTESTINAL BAGS, 33CM X 25CM	6x INTESTING BAGS, 33CM X 25CM		
1x WIDE BORE EXTENSION SET, Y-TYPE, 150CM	1x BLOOD ADMINISTRATION SET		
1x 50 ML SYRINGE, CATHETER TIP	1x LONG DIATHERMY, FLAT BLADE		
1x WHITE XRD SWABS, 45CM X 45CM	1x VASCULAR TUORNIQUET KIT		



(TIED IN 5'S)

DO NOT USE IF PACKAGING IS DAMAGED/OPEN.



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## Cardiothoracic Proceeding Retrieval Pack

### **Interior Contents**

- 1 1000ml Jug with handle
- 1 Basin Ring 6000ml
- 1 A4 Label 3 Peelable Stickers
- 3 Isolation Transport Bag, (Non-Sterile) 51cm x 51cm
- 1 DLP Tourniquet Set 12Fr & 16Fr 8 set
- 1 Conmed Yankauer bulb tip without control vent
- 1 Header Bag 50cm x 66cm
- 1 Bowl 3500ml, Pastel Pink
- 1 Bowl 1000ml
- 1 Suction Tubing 3 mitres X 6mm
- 4 LUNGS Label Purple (50mm x 100mm)
- 2 HEART Label Pink (50mm x 100mm)
- 1 Back Table Cover, 150cm x 190cm
- 1 Transparent Kidney Dish, 800ml
- 1 60ml Graduated Gallipot
- 1 6000ml Purple Bowl
- 1 Label with "Basin Stand Cover"
- 4 safePICO Aspirators

### **Exterior Pouch Contents**

- 1 Electrosurgical Pencil, push button control, 320cm cable
- 1 Diathermy Holster
- 1 Instrument Tip Cleaner, 5cm x 5cm
- 6 Isolation Transport Bag, (Sterile) 51cm x 51cm
- 2 Ethicon Ethibond Green 2/0 x 90cm NDL
- 2 Ethicon Nylon Tape 3mm x 70cm
- 2 Ethicon Prolene Blue 4/0 x 90cm NDL
- 2 Ethicon Silk Tie
- 1 Irrigation set double spiked, 227cm long, 4mm id, 48ml priming volume, roller clamp.
- 1 Malleable Single D=Stage Venous, 18Fr.t tip.
- 1 Green Flat Pouch 100mm x 250mm
- 1 Aortic Root Cannula (No vent line) 12G (9Fr)
- 1 Baxter Uromatic Irrigation Set Y Type

## £136.46

**Blood and Transplant** 

### **NHS** Blood and Transplant



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### Cardiothoracic - Organ Retrieval Pack - NHSBT

1x BACK TABLE COVER, 100CM X 140CM	Within Exterior Pouch
1x ROUND BOWL, 2500ML	6x PVC BAGS WITH DRAWSTRINGS, 51CM X 51CM
1x ROUND BOWL, 1000ML	4x ARTERIAL BLOOD GAS SYRINGE
1x ROUND BOWL, 6000ML	4x SAFETY HYPODERMIC NEEDLE, 25G X 25MM
1x FLUXI-RIB SUCTION TUBING WITH TIP	1x FAST FLOW IRRIGATION SET, 230CM (Y-TYPE)
1x LARGE YANKAUER SUCTION	1X VENUS CANNULA, 18FR
3x PVC BAG WITH DRAWSTRINGS 51CM X 51CM	2x ETHICON SILK TIE, BLACK
1X BLOOD ADMINISTRATION SET 150CM X 4MM	2x ETHICON NYLON TAPE
	1x ETHICON 2/0 ETHIBOND SUTURE
1x AORTIC ROOT CANNULA, 12G X 18CM	4x ETHICON 4/0 PROLENE, BLUE
1x JUG WITH HANDLE, 1000ML	1x ELECTROSURGICAL PENCIL WITH 300CM CABLE BLADE & HOLSTER



#### DO NOT USE IF PACKAGING IS DAMAGED/OPEN. DO NOT REUSE ANY OF THE COMPONENTS WITHIN THIS PROCEDURE PACK.





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# NORS Consumables reimbursement tariff



# **Tariff History**

## Pre 2012:

- All consumables used by NORS teams reimbursed
- Huge variation across teams
- Inequitable

## 2012:

- Standard tariff introduced
- Consumables list agreed based on information from TMF & NRG
- Confusing tariff structure



# **Tariff changes**

# Single suite of tariff payments inclusive of...

- Consumables contained within procedure packs
- Consumables not contained within procedure pack
- Organ perfusion and preservation fluids
- Drugs

**New Tariff:** 



### **Abdominal team:**

- Non-proceeding donor
- Proceeding donor (excluding pancreas)
- Proceeding donor (including pancreas)

### **Cardiothoracic teams:**

- Non-proceeding donor
- Proceeding donor (excluding lungs)
- Proceeding donor (including lungs

## Non-proceeding donor (Abdominal)



£392.15\*

- Basic NORS Retrieval Procedure Pack
- Essential consumables not included within Procedure pack

Bard-Parker Blade, Aortic Perfusion Cannula, Sternal saw blade

### **Organ Preservation Fluids**

University of Wisconsin Solution – 2 Litres, NaCl 0.9% - 2 Litres

Drugs

currently being finalised

Heparin 30,000u

\*Price is indicative as preservation fluid contract is

# Proceeding Abdominal donor (excluding pancreas) \* Basic NORS Retrieval Procedure Pack

Proceeding Abdominal Procedure Pack

### Essential consumables not included within Procedure pack

Bard-Parker Blades, Aortic Perfusion Cannula, Sternal Saw blade

Kidney insert pack (Brandon Trust)

### Organ Preservation Fluids

University of Wisconsin Solution – 10 Litres, NaCl 0.9% - 10 Litres

### Drugs

Heparin 30,000u, Co-Amaxiclav 1G, Ceftazidime 2G

\*Price is indicative as preservation fluid contract is currently being finalised



- £1422.11\*

## **Proceeding Abdominal donor** (including pancreas)



- Basic NORS Retrieval Procedure Pack
- Proceeding Abdominal Procedure Pack
- Essential consumables not included within procedure pack

Bard-Parker Blades, Aortic Perfusion Cannula, Sternal Saw blade,

GIA80 Stapler, GIA80 reload, TL90 stapler, Kidney insert pack (Brandon Trust)

### Organ Preservation Fluids

University of Wisconsin Solution – 12 Litres, NaCl 0.9% - 12 Litres

### Drugs

Heparin 30,000u, Co-Amaxiclav 1G, Ceftazidime 2G

\*Price is indicative as preservation fluid contract is currently being finalised

### **-**£1967:41\*



### Non-Proceeding Cardiothoracic donor - No Procedure Pack Available:

Blood gas syringe 2 ml syringe 5 ml syringe 10ml syringe 20 ml syringe 50 ml syringe Double ended IV bung (red) Blood administration giving set Solution administration giving set Burette giving set Drawing up needle 19G needle 21G needle 2/0 silk suture straight needle Male - male IV connector Alcohol gel (CLORAPREP) **Detergent wipes** 

Disposable scalpel 11 blade 11cm triple lumen neck line Tri-pack Clear aperture drape 60cm X 60cm 20G cannula Non-sterile latex glove large Non-sterile latex glove medium Single monitoring set no spike Double monitoring set Lectro-cath 200cm Lectro-cath 11cm Swann - Ganz catheter

£143:17

## **Proceeding Cardiothoracic donor** (excluding Lungs)

**Blood and Transplant** 

£328:05\*

### Proceeding Cardiothoracic Procedure Pack

### Consumables not included within Procedure pack

As detailed earlier (non-proceeding consumables)

### Organ Preservation Fluids

Ringers Solution – 2 Litres, NaCl 0.9% - 6 Litres

### Drugs

Heparin 30,000u, Cardioplegia Concentrate

\*Price is indicative as preservation fluid contract is currently being finalised



## **Proceeding Cardiothoracic donor** (including Lungs)

- Proceeding Cardiothoracic Procedure Pack
- Consumables not included within Procedure pack
  - As detailed earlier, TA45 stapler, TA45 reloads
- Organ Preservation Fluids
  - Ringers Solution 2 Litres, NaCl 0.9% 6 Litres, Perfadex Plus 4 Litres
- Drugs

Heparin 30,000u, Cardioplegia Concentrate, Prostacyclin, GTN

**-**£1384:94\*

\*Price is indicative as preservation fluid contract is currently being finalised

# Ordering Process and delivery schedule for procedure packs



- Procedure packs will be available to order directly from Clonallon Laboratories Ltd immediately.
- Orders should be made via email (<u>info@Clonallon.com</u>) on official headed paper including a PO number.
- Receipt of order will be acknowledged on same working day (or next working day if order placed 'out of hours')
- Initial delivery will be made within 18 weeks of receipt of PO.
- Subsequent orders will be delivered with 48 hours of acknowledgement receipt of PO.
- Individual NORS centres will be invoiced directly by supplier for orders and reimbursed by NHSBT via the consumables tariff
- The supplier has a requirement to maintain stock equivalent to three months NORS activity to ensure that there is no interruption in supply

## **Summary**

\* Provisional date



- The list of NORS consumables has been reviewed and updated to reflect practice (includes surgical and organ preservation)
- Surgical Procedure Packs have been made available to improve standardisation, ease of use and to incorporate critical safety elements.
- Purchase of Procedure packs via single supplier is not mandated <u>BUT</u> NORS teams are expected to provide consumables as listed in tariff.
- Updated reimbursement tariff will commence July 2020\* (Once new perfusion fluid framework agreement is in place).
- New Perfusion Fluid framework agreement with suppliers will include lung perfusion for first time.