VASCULAR SERVICES QUALITY IMPROVEMENT PROGRAMME

National Vascular Registry (NVR)

AAA Devices and Revision Procedures FAQs

Entering an aortic device

Within the procedure page of a AAA repair record on the NVR, there is now a devices section where you can record the implanted devices used.		Devices Find Implant(s)	Manufacturer F * Product Number R: Scan Barcode	Please Select		•	0 0 0 Search	
There a ways to	are two main o enter a device:	Matching Implant(s))					
1.	Select the	Manufacturer	Product Number	Brand Name	Description	GTIN	Select	
	manufacturer		<pre>></pre>			No items t	o display	
	from the	If the required Component compatible found and people to be added to the suctamination of mail the NDS						
	dropdown list	Support Team with	the Component Man	ufacturer Name, Cat	talogue Number and Descri	ption.	Select	
	and search for it							
	using the		-)					
	product code	Selected Implant(s)					
2.	Scan the long	Mar	Cook M	edical	* Batch/Lot Number	8428099		
	barcode on the	Produc	t Number ZSLE-1	3-107-ZT	GTIN	10827002552347		
	device sticker	D	escription ZENITH	FLEX WITH SPIRA	AL-Z TECHNOLOGY AAA E	NDOVASCULAR GR	AFT	
	label	* Was this Device used on IFU?						
							Remove	
We hav	ve worked with							
the Ass	sociation of							

British HealthTech Industries (ABHI) to approach all the companies that manufacturer aortic devices and accessories. The vast majority of companies and devices should be included in the NVR, but we appreciate that not all are. If you are unable to find a device, please email the NVR inbox (<u>nvr@rcseng.ac.uk</u>) with the company's name, device name/description, product code and barcode number. We will then endeavour to see if the device can be added in the future.



These are the steps you need to follow to scan a device barcode:

- Ensure your USB barcode scanner is plugged into your computer (we advise using a 2D scanner that is capable of scanning 'normal' barcodes and the newer QR codes.
- Click into the text box entitled 'OR: Scan Barcode' and scan the barcode.
- If scanned successfully, the long barcode number should appear in the box.
- Click 'Search' (the manufacturer and product number fields can be left blank).
- If the device can be found, the details will be shown below. Click on the 'Select' check box and then click on the Select button to add it to the procedure.
- The batch/lot number should automatically be populated (as this can be read from the long barcode number). If not, add the batch/lot number from the device barcode sticker.

*OR: Scan Barcode 010073313261848411170518172005172116318903240RLT35								
					Search			
Matching Implant(s)	- Exact Match							
Manufacturer	Product Number	Brand Name	Description	GTIN	Select			
W.L Gore & As	RLT351416	GORE EXCLUD	EVAR Endovascular	00733132618484				
(4) (4) (4)				1 - 1 of 1	items			
Selected Implant(s)							
Manu	facturer W.L Gore	e & Associates	* Batch/Lot Number 20	051721				
Product	Number RLT3514	16	GTIN 00	733132618484				
De	Description EVAR Endovascular graft Trunk-Ipsilateral Leg Endoprosthesis: 35 mm; 14.5 mm							
* Was this Dev	*Was this Device used on IFU? No Yes 0							
				Re	move			
	/							

- Answer the question on whether the device was used on IFU or not.
- Ensure that you save the page by clicking on the 'Save' button or the 'Previous' or 'Next' button at the bottom of the page.
- Repeat the steps above for every device component.

Current aortic device manu	ufacturers included on the I	NVR (02/03/2021)	
Company Name	On NVR Dropdown List?	Able to add devices?	Comments
B. Braun Aesculap	Yes	Yes	
Bard/BD	Yes	Yes	
Bentley Innomed	Yes	Yes	
Boston Scientific	Yes	No	
BVM Medical	Yes	No	
Cook Medical	Yes	Yes	
Cordis, A Cardinal Health Company	Yes	Yes	
CryoLife Inc. (includes Jotec)	Yes	Yes	
Endologix Inc.	Yes	Yes	
Getinge (includes Advanta, Maquet, Hemagard and Intergard)	Yes	Yes	
LeMaitre Vascular	Yes	Yes	
Lombard Medical	Yes	No	
Medtronic Inc.	Yes	Yes	
Terumo Aortic (includes Vascutek)	Yes	Yes	
W.L Gore & Associates Inc.	Yes	Yes	

How to recor	ow to record devices from each company							
Company	Product Name	Product Number starts with	Batch/Lot number format	Example Barcodes				
B. Braun	Uni-Graft or Silver Graft	110	Starts with a 2					
Aesculap								
Bard/BD	Fluency	FVL or FVM	Starts with AN					
	Lifestream	LSM						
Bentley	BeGraft Aortic	BGA	Starts with a 2					
Innomed	BeGraft Peripheral	BGP		Bentley REF BGP5708_2 2020-04				
	BeSmooth	BSP		LOT 210723 2023-03 BeGraft Penpheral Stent Graft System				
Cook	Custom-made infrarenal bifurcated	AAA-BIF	Various formats.					
Medical	Custom-made infrarenal inverted limb	AAA-BODY	Lot number					
	Custom-made branched graft	AAA-BRANCH	clearly	FENESTRATED-PARARENAL-DEVICE				
	Custom-made infrarenal inverted leg	AAA-DIS	documented on	(01)00827002562967(17)230515(10)AE89424				
	Custom-made infrarenal with fenestration	AAA-FEN or AAA-REI	device label.	REF G56296 LOT AE69424				
	Custom-made infrarenal	AAA-INFRA						
	Custom-made iliac leg extension	AAA-LEG		COOK* ZSLE-13-107-ZT LOT 8428099				
	Custom-made proximal body extension	AAA-PROX						
	Zenith Renu ancillary graft converter	AX1		(01)00827002552340(17)201221(10)8428099				
	Custom-made bifurcated with	BIFU						
	fenestrations	DISTAL						
	Custom-made distal thoracic	ESBE						
	Zenith TAA distal extension	ESC						
	Zenith flex converter	FEN		(01)00827002359697(17)221211(10)10197184				
	Custom-made with fenestrations	FOV						
	Formula balloon expandable stent	GZSD						
	Zenith dissection stent	HELICAL						
	Custom-made iliac limb	IMWC or MWCE						
	Embolisation coil	PRE						
	Custom-made pre-loaded fenestrated	PROXIMAL						
	Custom-made proximal thoracic	REIN						
	Custom-made reinforced iliac side branch	SIDE						

	-			
	Custom-made side branch occluder	ТВЕ		
	Zenith TX2 proximal extension	TBRANCH		
	Zenith off the shelf thoraco-abdominal	TFFB		
	branch	THORAC		
	Zenith Flex Bifurcated main body	UNIBODY		
	Custom-made thoracic/thoraco branched	ZBIS		
	Universal distal body grafts	ZDEG		
	Zenith Iliac bifurcation graft	ZDES		
	Zenith TX2 dissection graft	ZFEN		
	Zenith dissection stent	ZFV		
	Zenith Fenestrated body graft	ZIMB		
	Zilver flex self-expanding stent	ZIP		
	Zenith Alpha main body	ZISL		
	Zenith iliac plug	ZISV		
	Zenith Alpha iliac leg graft	ZIV		
	Zilver drug eluting stent	ZLBE		
	Zilver self-expanding stent	ZLC		
	Zenith Alpha main body extension	ZSLE		
	Zenith Alpha converter	ZTA-D		
	Zenith iliac leg graft	ZTA-DE		
	Zenith Alpha thoracic distal	ZTA-P or ZTA-PT		
	Zenith Alpha thoracic distal extension	ZTEG		
	Zenith Alpha thoracic proximal	ZVS		
	Zenith TX2 TAA			
	Zilver self-expanding stent			
Cordis, A	Aortic bifurcate	AB	Starts with 17	
Cardinal	Aortic extension	AE		Cordis. Cordis Cashel, Canir Road Cashel, Co Tipperary, Ireland
Health	Iliac	IL		INCRAFT® AAA Stent Graft System LOT 17893850 REF AB3098
Company				
				(01)20705032065099(21)1789956113
				(17)210831(10)17893850
CryoLife	FlowLine	10SW,10TW, 15SW or 15TW	Most start with	
Inc.	FlowNit	35ST	11	

(includes Jotec)	FlowWeave E-NSIDE E-Liac E-Nya E-ventus E-tegra Custom devices	45ST 65MU 72IB 90SO or 90TC 91BX 93 V00CDM		
Endologix Inc.	VELA AFX2 Limb extension Alto/ovation Ovation extension Ovation iliac limb	A25, A28, or A34 BEA I16, I20, or IS20 TV-AB TV-EX TV-IL	Most start with FS	Abdominal Steri Graft System TV - AB3480 - L

Getinge (includes Advanta, Maquet, Hemagard and Intergard)	Advanta V12 Intergard or Hemapatch Hemagard knitted Intergard knitted Intergard woven Fusion Hemashield	853 HEW HGK IGK IGW M00 M00	V12 lot number is the SN on the label – starts with 4. For open repair grafts, lot number is clear on the label.	ActorImage: Addition of the state of the stat
LeMaitre Vascular	Dialine Omniflow AlboGraft XenoSure Pledget Wovex	24 741 or 751 AMC, ASC, or ATC PL W	Lot number is clear on label. Most of them start with a 3.	AlboGraft° Polyester Vascular Graft Knitted with Collagen REF AMC3018 30054673 (01)00840663103058 LOT 232058 2024-08-28 (91)AMC3018
Medtronic Inc.	Endurant Endurant cuff Endurant iliac Endurant limb Endurant tube Endurant aorto-iliac Endoanchor Occluder	ESFB or ETFB ETCF ETEW ETLW ETTF ETUF HA, HG, SA, or SG OCL	The lot number is the SN on the label. Most start with a V.	Endurant [™] IIs Stent Graft System 2022-05-19 REF ESBF2814C103EE SN V29967193

	Valiant Captivia	VAM		
	Valiant Navion	VNM		
				(01)007630002256919(17)220210(10)0010131813
				a second s
Terumo	Gelseal	43, 44, 45, 46, 47, or 49	Lot number is	
Aortic	Gelsoft/Gelsoft Plus	63, 64, 65, 66, 67, 68, or 69	clear on label.	GTIN 05037881107059 REF 733018
(includes	Gelweave	73		2021-07-31
Vascutek)	Treo AUI	28-A1		LOT 1/392/41-1400
	Treo body	28-B2		(N) 18mm
	Treo cuff	28-C2		(01)05037881107059 (17)210731
	Treo extension	28-L2		↔ 30cm (10)17392741-1408 (21)2002594572
	Anaconda cuff	AEC		
	Anaconda flared limb	AFL		733018-G
	Anaconda limb	AL		
	Anaconda body	ALP		1 0 0 2 2 0 2 2 2 2 2 2 2 2 2 2 2 2 2 2
	Anaconda tapered limb	ATL		(17)2210/31(10)173927411100(2)(2011)
	Custom Anaconda	CFD		Manufactured by VASCUTEK.ted
	Custom flared fenestrated limb	CFLF		LoProgo Neuralis Averue, Inchimatis Renfeveshire PA4 SPR Scrittand
				AAA Sters Graft System
				REF CFD32-703
				LOT 21470117 3391
				SN 2002899862
W.L Gore &	Viabahn balloon expandable stent	ВХА	Lot number is	
Associates	Iliac branch	CEB	the SN on the	
Inc.	Aortic extender	CXA or PLA	label.	A Endoprosthesis Aortic Extender
	Trunk-ipsilateral leg	CXT or RLT		m x 3.3 cm 16 Fr
	Internal iliac component	HGB		IN Serial Number Use By
	Viabahn self-expanding stent	PAH or PAJ		6137362 2020-03-26 (17)200326(21)16137362
	Contralateral leg	PLC		No. 1
	Iliac extender	PLL		
	Stretch vascular graft	SA		
	TAG thoracic stent graft	TGM		

Dataset changes for aortic re-interventions

The dataset has also been amended so that it's now possible to capture aortic re-interventions in more detail.

The question on whether a patient has had a previous aortic repair has been moved higher up in the pre-op screen on the NVR.

Upon ticking anything but 'No,' 2 new questions appear – 'Indication for Re-intervention' and 'Pre-operative Endoleak.'

A new question in the procedure page now appears, where you can select what re-intervention procedure the patient had.

Additional OPCS codes have also been added to the page so it should be possible to record the correct one.

Other changes to the AAA dataset

Two new non-mandatory questions have been added to the risk scoring page for non-elective admissions - 'Highest Pulse Pre-op' and 'Lowest Systolic BP Pre-op.'

These were in the old NVD dataset, but not included in the NVR dataset in 2014. Despite poor levels of completeness, they were shown to be strong predictors of risk in a recent re-analysis of old data by the NVR team.

The questions on 'Neck angle,' 'Neck diameter,' and 'Neck length' have been added for open repairs.

This is in order to allow for better comparison of the patient's anatomy when comparing open and endovascular repairs.

* AAA/Aortic Diameter (mm)	66	0		
* Previous Aortic op	No	0		
	Open repair			
	C Endovascular repair			
	AAA repair - type unknown			
	Both open and EVAR			
* Indication for Re-intervention	AAA sac expansion	0		
	Graft migration			
	Graft stenosis or occlusion			
	Graft infection			
	New arterial disease (proximal or distal to original arterial graft)			
	Pseudo-aneurysm			
	Other			
* Pre-operative Endoleak	No endoleak	0		
	✓ Type 1			
	Type 2			
	Туре 3			
	Туре 4			
	С Туре 5			
* Re-intervention	procedure(s) Explant (partial or total)			
	Extra-anatomical bypass			

* Potassiun	[mmol/l]	A (D		
* Creatinin	e [µmol/ī]	Å (D		
Alb	umin [g/l]	Å (D		
Highest Puls	e Pre-op	Å (0		
Lowest Systolic BP Pre-op					
* Type of Repair	Open EVAR Complex EVAR Revision Open Revision EVAR EVAS	0			
OPCS code of procedure 1	Please Select 🔻	0			
OPCS code of procedure 2	Please Select 🔻	0			
OPCS code of procedure 3	Please Select •	0			

Ligation of aortic branches Embolisation

Other

* Haemoglobin [g/dl]

* Sodium [mmol/I]

*Neck angle Please Select

* AAA Clamp site Please Select.

* AAA Graft 🛛 Tube

Bifurcated Any Groin Incision

* OPCS code

* Neck diameter (mm)

* Neck length (mm)

Proximal extension cuff/Fenestrated cuff

* 0

* O

• 0

• O

* ÷ 0

0

0

0