

# Histopathology – Transplant Coordinators

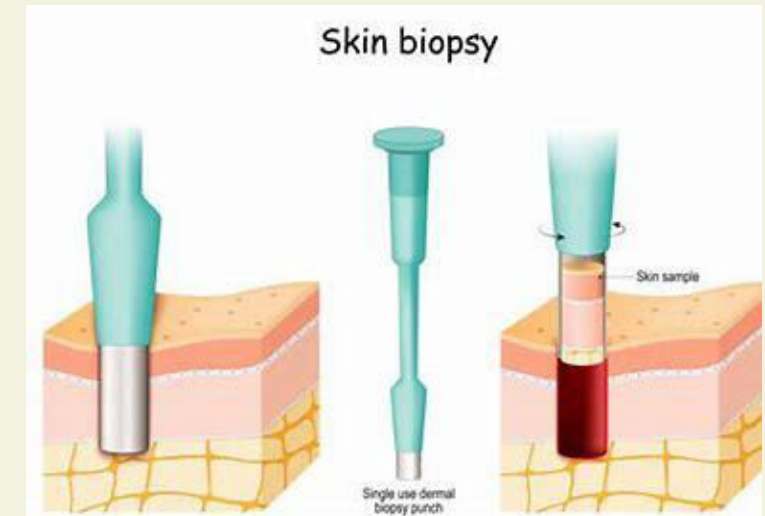
Sarah Beale  
Odile Chapman  
Meena Saroy

02/10/2024

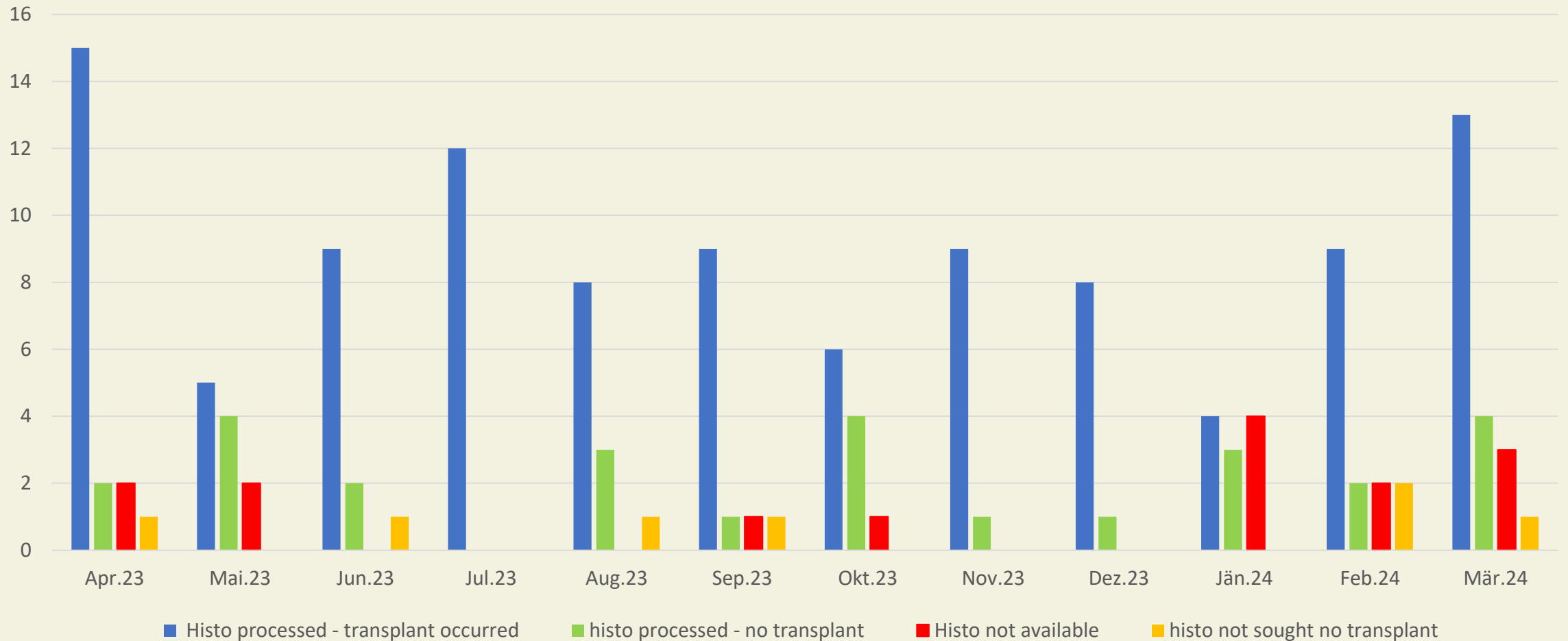


# What is Histopathology?

- Any findings during retrieval or at transplantation that requires a biopsy to be tested.
- Examination of tissues
- Essential in the diagnosis of malignancies

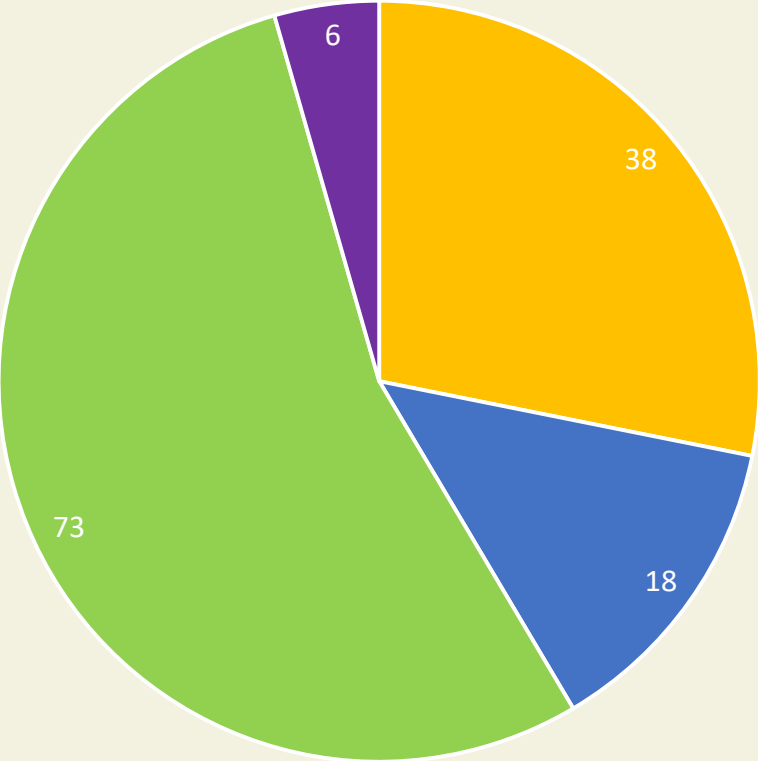


# Histopathology cases per month



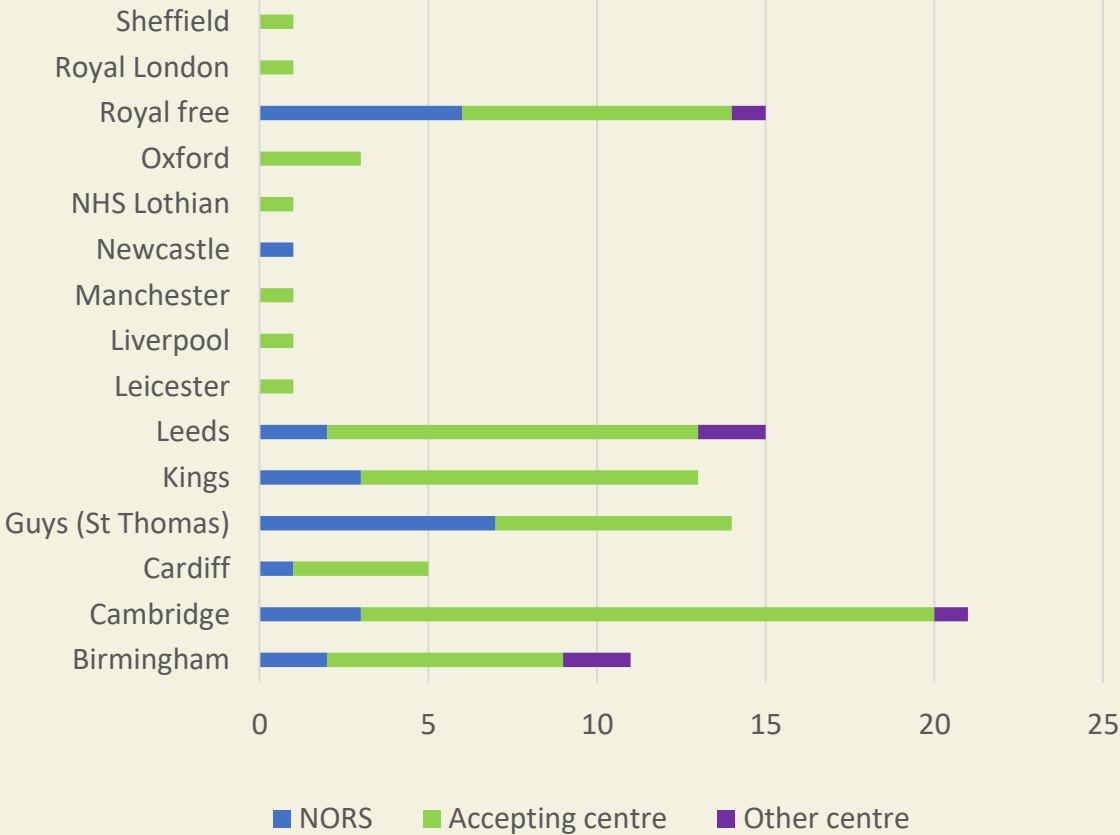
# Histopathology cases per centre

histo processed

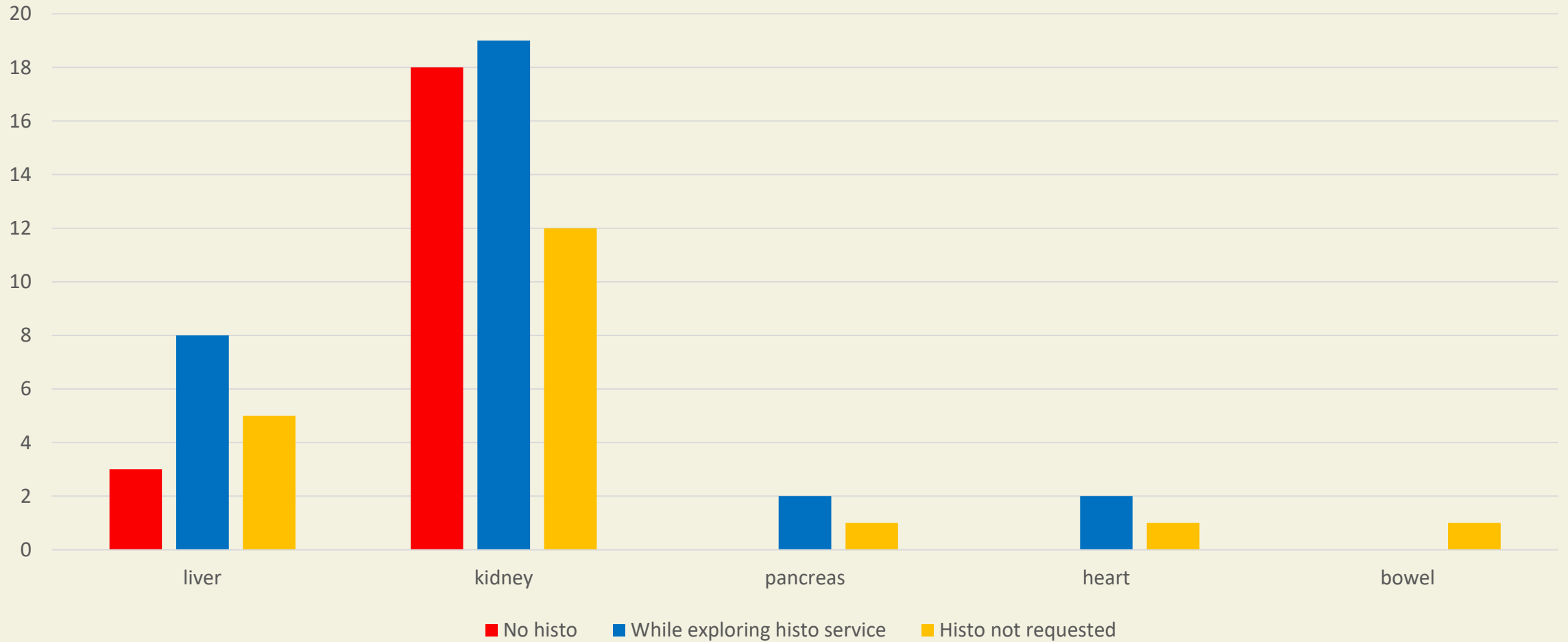


Donor hospital NORS centre Accepting centre Other centre

Biopsies processed if not a donor hospital



# Organs not transplanted – ? missed opportunities



## Case study : No histo service

77-year-old lady

Admitted with intracranial haemorrhage

PMH: hypertension, smoker (stopped in 96), aneurysm of hepatic artery 2023, osteoporosis, asthma, IHD, hypothyroidism, liver cyst benign 2006

Offering: Liver to Addenbrookes, Kidneys to Royal London

05:11: lesion found on liver – Biopsy requested. Royal London unable to process until 8 am.

06:03: calls to North Middlesex Hosp (local), Oxford (NORS) Royal London, Royal free, Guys. All unable to process overnight. Awaiting Addenbrookes.

06:32 Kidneys declined by Royal London. Trying to organise biopsy at UHB

07:26: Birmingham called back with number of histopathologist but no reply. Biopsy with kidney send with NORS

All organs declined on fast track.

# Case study: Histo malignant – Heart transplanted

55-year-old lady

Admitted with intracranial haemorrhage

PMH: Breast cancer 2008, tumour type DCIS. Last mammogram all clear. Traumatic pancreatitis 2016.

Organ acceptance: Heart – Wythenshaw, Pancreas Manchester, Kidney Leicester, Liver Royal free.

17:20L Heart accepted – Out 17:42

18:54 lesion found on left kidney. Liver and Heart recipient centres contacted to update. QE ?  
Histo service

19:32: Lesion sent with liver to Royal free

22:59: cyst lined by a 4mm low grad well differentiated neuroendocrine tumour. Heart has already been transplanted. Transplant centre explained that they knew of impending histo results but were at point of no return.(super urgent recipient)

13 days later: in keeping with early clear cell renal cell carcinoma grade 1 (only 1mm of viable tumour is seen within 8 mm nodule)

All other organs stood down

Case study : DBD no histo at time of retrieval

60 year old Lady – Ethnicity Black or Black – British

Admitted with Intra Cerebral Haemorrhage

Kidneys accepted post offering

Lesion noted on left ovary

No histopathology service OOH

Retrieval stood down.

SN request histo to be process at donor hospital on Monday

Histo report: Consistent with Thecoma, no evidence of malignancy



## Case study : No follow up

54 year old Male

Admitted with hypoxic brain injury from cardiac arrest

PMH: Hypertension

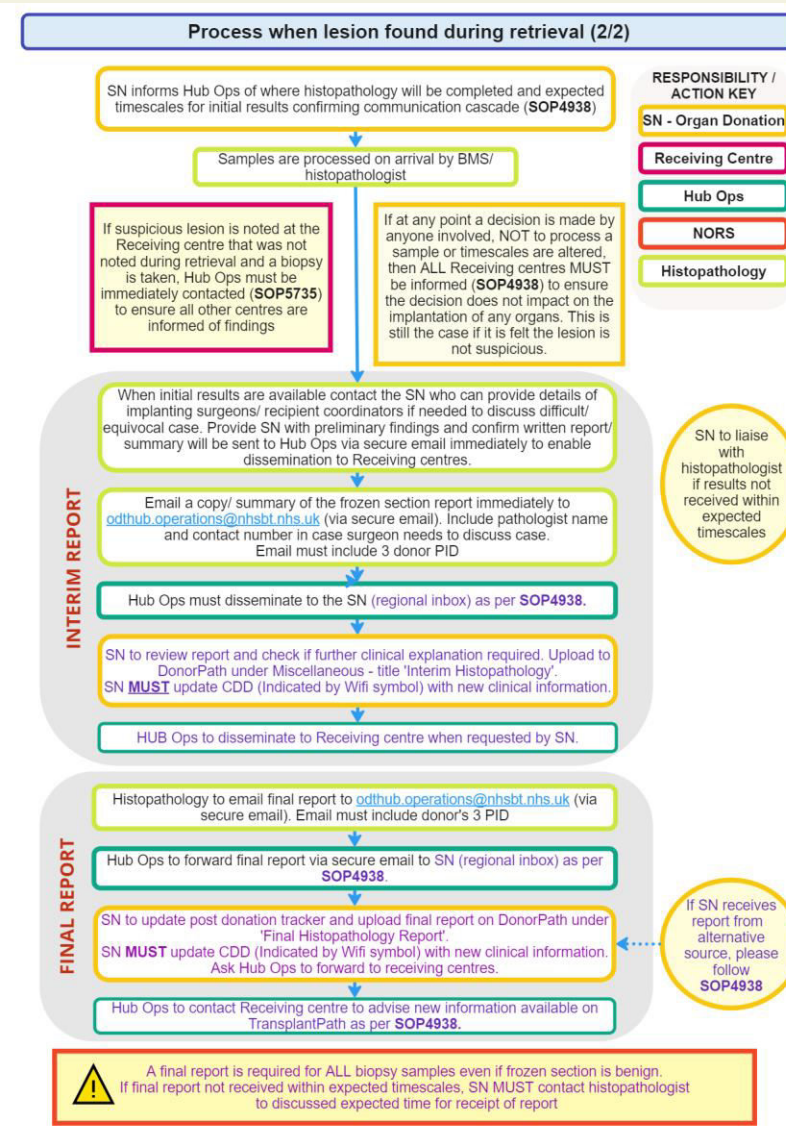
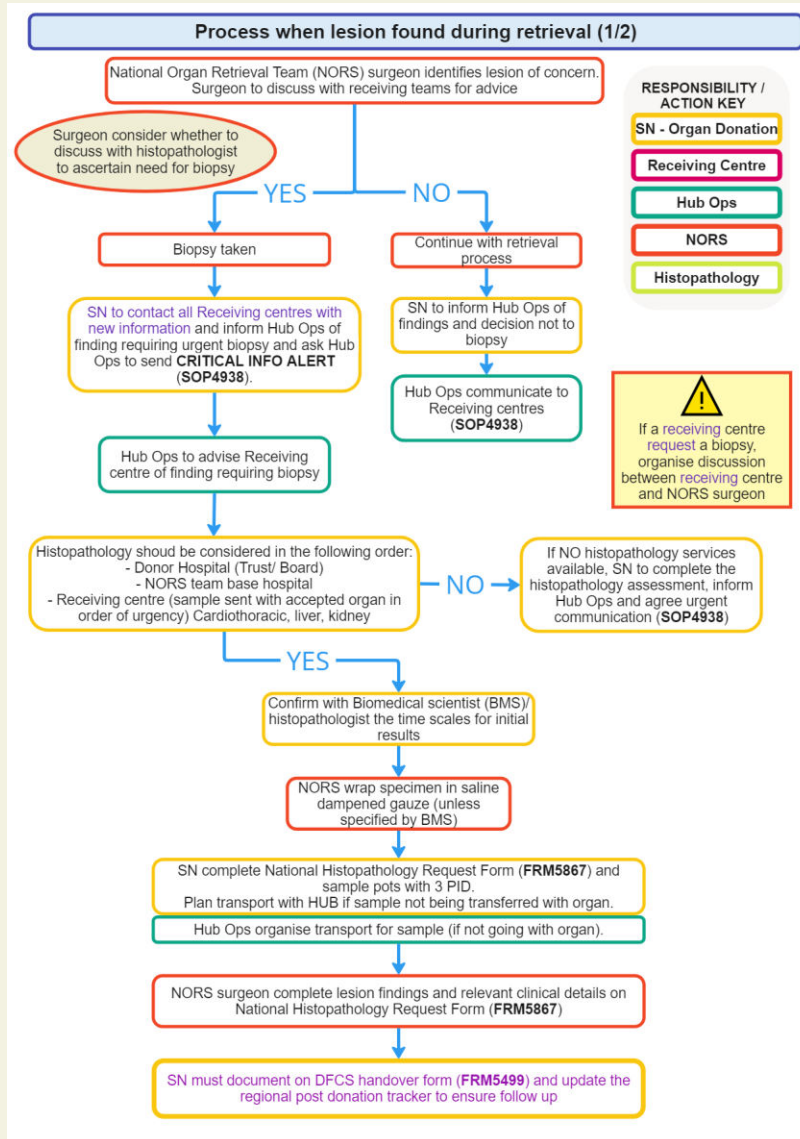
Offering: Liver and Kidneys accepted

Retrieval: mass on colon found and biopsied – Accepting Centre agreed to biopsy sample.

On night of retrieval frozen section report received and shared by HUB to all accepting centres and SNOD.

**NO FURTHER REPORT OBTAINED**

# Lesion found during retrieval at the donor hospital



# At the donor retrieval – FRM5867



Blood and Transplant

FRM5867/3 – National Histopathology Request Form

**NHS**  
Blood and Transplant  
Effective date: 06/12/2022

## National Histopathology Request Form

To (Address sample to be sent):	From (Donor Hospital details):
Name of National Organ Retrieval (NORS) Surgeon:	Specialist Nurse – Organ Donation (SNOD) name:
NORS Surgeon contact number:	Donation Point of Contact Number:
NORS Surgeon signature:	SNOD signature:

Patient Information	ODT Number		Date of Birth	
	Forename		NH S/CHI Number	
	Surname		Sex	M <input type="checkbox"/> F <input type="checkbox"/>

Sample Information	Date sample taken:		Time sample taken:		Size of lesion:	
	Site/organ of donor lesion: (If more than one sample please specify which is which and size/site of each)					
	Other information: (Where required including transport medium if not saline soaked gauze)					

Clinical Information	Relevant past medical history	
	Intraoperative findings	

Organs Accepted and Centre	Heart	<input type="checkbox"/>	Left kidney	<input type="checkbox"/>	Pancreas	<input type="checkbox"/>
	Lung	<input type="checkbox"/>	Right kidney	<input type="checkbox"/>	Small bowel	<input type="checkbox"/>
	Liver	<input type="checkbox"/>	Other (provide detail)	<input type="checkbox"/>		

**Results – Who to inform:**

- Contact the SNOD (details above – Donation Point of Contact Number), who can provide details of implanting surgeons if needed to discuss difficult/equivocal cases. Inform SNOD of findings verbally
- Preliminary Report: Send a copy/summary of the report **immediately** via secure email to: [odhub\\_operations@nhsbt.nhs.uk](mailto:odhub_operations@nhsbt.nhs.uk) for onward dissemination to all relevant centres/individuals. Please

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FRM5867/3 – National Histopathology Request Form

**NHS**  
Blood and Transplant  
Effective date: 06/12/2022

- include pathologists name and contact number in case surgeon needs to discuss case. **Email must include 3 identifiers from above.** Example template of key information required over page.
- Final Report: Send via secure email to [odhub\\_operations@nhsbt.nhs.uk](mailto:odhub_operations@nhsbt.nhs.uk) **Email must include 3 identifiers from above** (Hub Operations phone number: 0117 9757580 if any difficulties)

## National Histopathology Request Form

**Template of information to be included on summary report**

- ODT donor number\*
- Donor's name (forename and surname)\*
- Donor's date of birth\*
- NHS/CHI number\*
- Hospital of sample origin (Donor hospital)
- Originating site of sample (i.e left kidney/liver/lymph node)
- Histopathology Department reporting
- Date and time sample reported
- Pathologist name and contact number for queries
- Discussed with Surgeon/s: Y/N if yes give details
- Report/result
- Any other comments

\*A combination of any 3 of the 4 identifiers listed can be used

**For optional laboratory use**

**Sample details**

Date sample received in department:		Time sample received in department:	
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**Provisional Results**

Date results reported:		Time results reported:	
Who results reported to:			
Other comments:			

**Final Results**

Date results reported:		Time results reported:	
Who results reported to:			
Other comments:			

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# Specialist Nurse outstanding action

[Outstanding action example.xlsx](#)

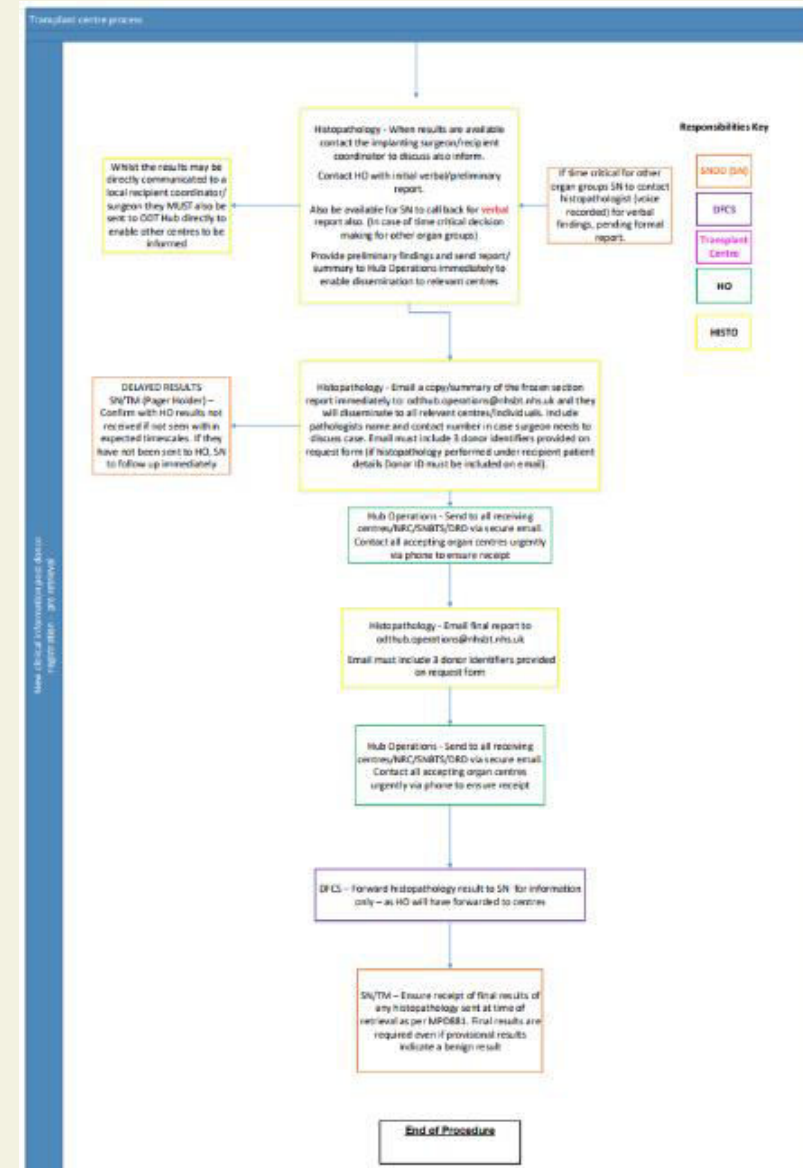
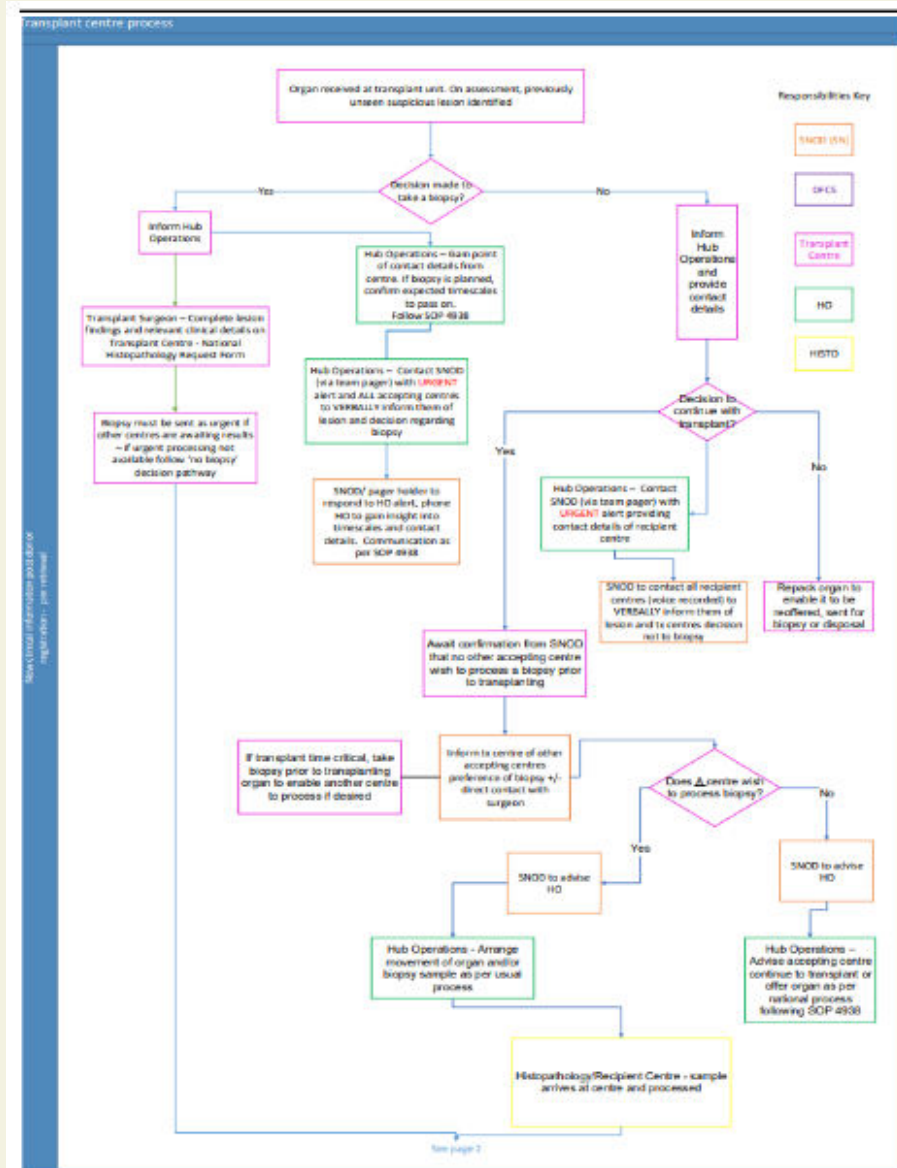
# Lesion found during transplantation at Recipient centre

- Contact Hub Ops 01179757580 immediately and ask to share info with all accepting centres and Specialist Nurse of the donor .....
- Contact histo service to process sample
- Once report of frozen section obtained (on the day), forward to Hub Ops on [odthub.operations@nhsbt.nhs.uk](mailto:odthub.operations@nhsbt.nhs.uk) and call Hub Ops to ask for information to be shared to all accepting centres and Specialist Nurses.
- Final report: A final report will be available approx. 3-4 weeks post sample taken. The final report should be sent to Hub Ops immediately to be shared with all accepting centres and SN.
- Quality of organ biopsy: if organ is being accepted by a different centre, then the biopsy result must be sent to HUB. (if organ transplanted in the centre where sample is process then no further action required)

# SOP5735 – New Findings Made at Transplant Centres Requiring Histopathology Assessment



Blood and Transplant



# At the transplant centre –FRM6390



Blood and Transplant

## FRM6390/1.1 – National Histopathology Request Form – For use by Transplant Centre

**NHS**  
Blood and Transplant  
Effective date: 06/06/2022

Name of Transplant surgeon: [ ]	Transplant Surgeon contact number: [ ]
Transplant Surgeon signature: [ ]	

Patient Information	ODT Number	[ ]	Date of Birth	[ ]
	Forename	[ ]	NH S/CHI Number (if known)	[ ]
	Surname	[ ]	Sex	[ ]

Sample Information	Date sample taken:	[ ]	Time sample taken:	[ ]	Size of lesion:	[ ]
	Site/organs of donor lesion: (If more than one sample please specify which is which and size/size of each)	[ ]				
	Other information: (Where required including transport medium if not saline soaked gauze)	[ ]				

Clinical Information	Relevant past medical history (to inform histopathology assessment)	[ ]
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### Results – Who to Inform:

- Preliminary Report: Send a copy/summary of the report **immediately** via secure email to: [cdhub.operations@nhs.uk](mailto:cdhub.operations@nhs.uk) for onward dissemination to all relevant centres/individuals. Please include pathologists name and contact number in case surgeon needs to discuss case. **Email must include 3 identifiers from above.** Example template of key information required over page.
- Final Report: Send via secure email to [cdhub.operations@nhs.uk](mailto:cdhub.operations@nhs.uk) **Email must include 3 identifiers from above** (Hub Operations phone number: 0117 9757580 if any difficulties)

\*It is understood that some centres will have hospital specific forms that will be required and therefore this form is optional. It is however encouraged that the information present on this form is included on any request form.

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## FRM6390/1.1 – National Histopathology Request Form – For use by Transplant Centre

**NHS**  
Blood and Transplant  
Effective date: 06/06/2022

### Template of information to be included on summary report

- ODT donor number\*
- Donor's name (forename and surname)\*
- Donor's date of birth\*
- NHS/CHI number\*
- Hospital of sample origin (Donor hospital)
- Originating site of sample (i.e left kidney/liver/lymph node)
- Histopathology Department reporting
- Date and time sample reported
- Pathologist name and contact number for queries
- Discussed with Surgeon/s: Y/N If yes give details
- Report/result
- Any other comments

\*A combination of any 3 of the 4 identifiers listed can be used. If recipient details are used these must be linked to donor ID (ODT donor number).

### For optional laboratory use

Sample details	Date sample received in department:	[ ]	Time sample received in department:	[ ]
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Provisional Results	Date results reported:	[ ]	Time results reported:	[ ]
	Who results reported to:	[ ]		
	Other comments:	[ ]		

Final Results	Date results reported:	[ ]	Time results reported:	[ ]
	Who results reported to:	[ ]		
	Other comments:	[ ]		

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# The future of Histopathology



Blood and Transplant

## Long term solution

Histopathology is commissioned by NHS England (NHSE) under existing transplant contracts which sit with NHSE.

The service is fragile, particularly out of hours. It is currently provided through pathology services embedded within hospitals, many of which have had years of under-funding and staffing issues.

A business case has been submitted to NHSE which is under consideration for a National Histopathology Centre to be set up in the UK as a long-term solution. This could take up to 24 months to develop.

**Caring Expert Quality**



# The future of Histopathology



Blood and Transplant

## Interim solution

Interim process to be set up in the meantime using the existing PITHIA scanner infrastructure.

Not new work - the addition of subspeciality Pathologist rotas to prevent the current service from collapsing.

A Pathologist from anywhere in the country can be on the subspeciality lists as the work would be carried out remotely.

Solution is work in progress, discussions are ongoing, due to be implemented end of December 2024, subject to NHSE funding

