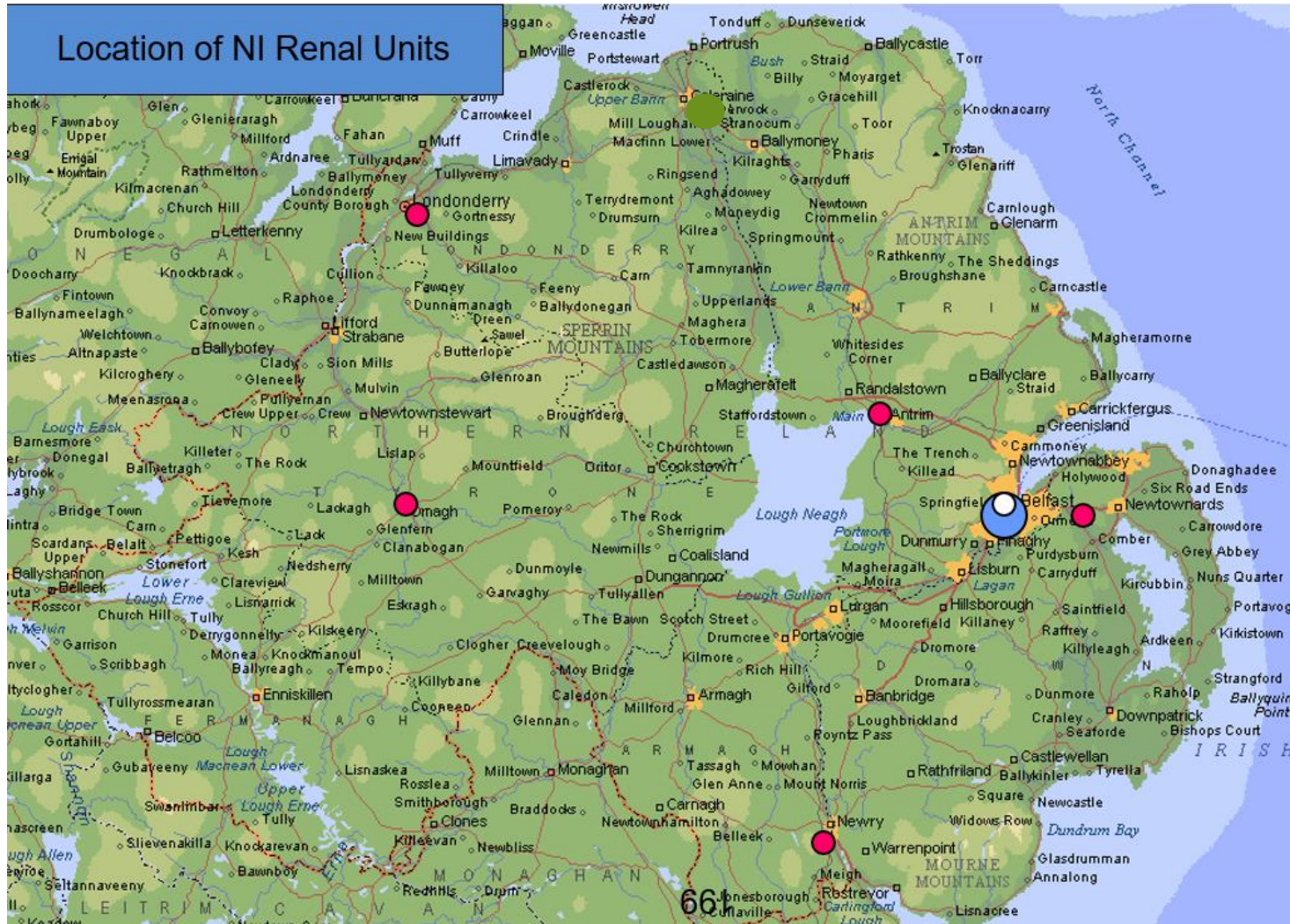


How Green is your Pathway?

Belfast

Erin Kissick

Operational Model: Geography



Belfast (Tx. Centre)

Antrim	19 miles
Londonderry	71 miles
Omagh	67 miles
Newry	37 miles
Ulster	6 miles
(Paediatrics)	1 mile)

Operational Model: Logistics

Do you perform donor assessment:

- ▶ **All** in your transplant centre?
 - ▶ Yes
- ▶ **Share responsibility** with your non-transplant centres?
 - ▶ Yes - but to a limited extent
 - ▶ initial bloods if multiple potential donors, or 24-hr BP / metabolic stone profile
- ▶ **If you share responsibility**, do you share in the same way with each of your non-transplant centres?
 - ▶ Yes

Pathway Building Blocks

LDC contact
(virtual/phone)

Initial contact with admin team

- via website www.donatelife.co.uk
- via telephone

Return phone call from LDC

Belfast pathways

Pathway 1

Pathway 2

Pathway 3

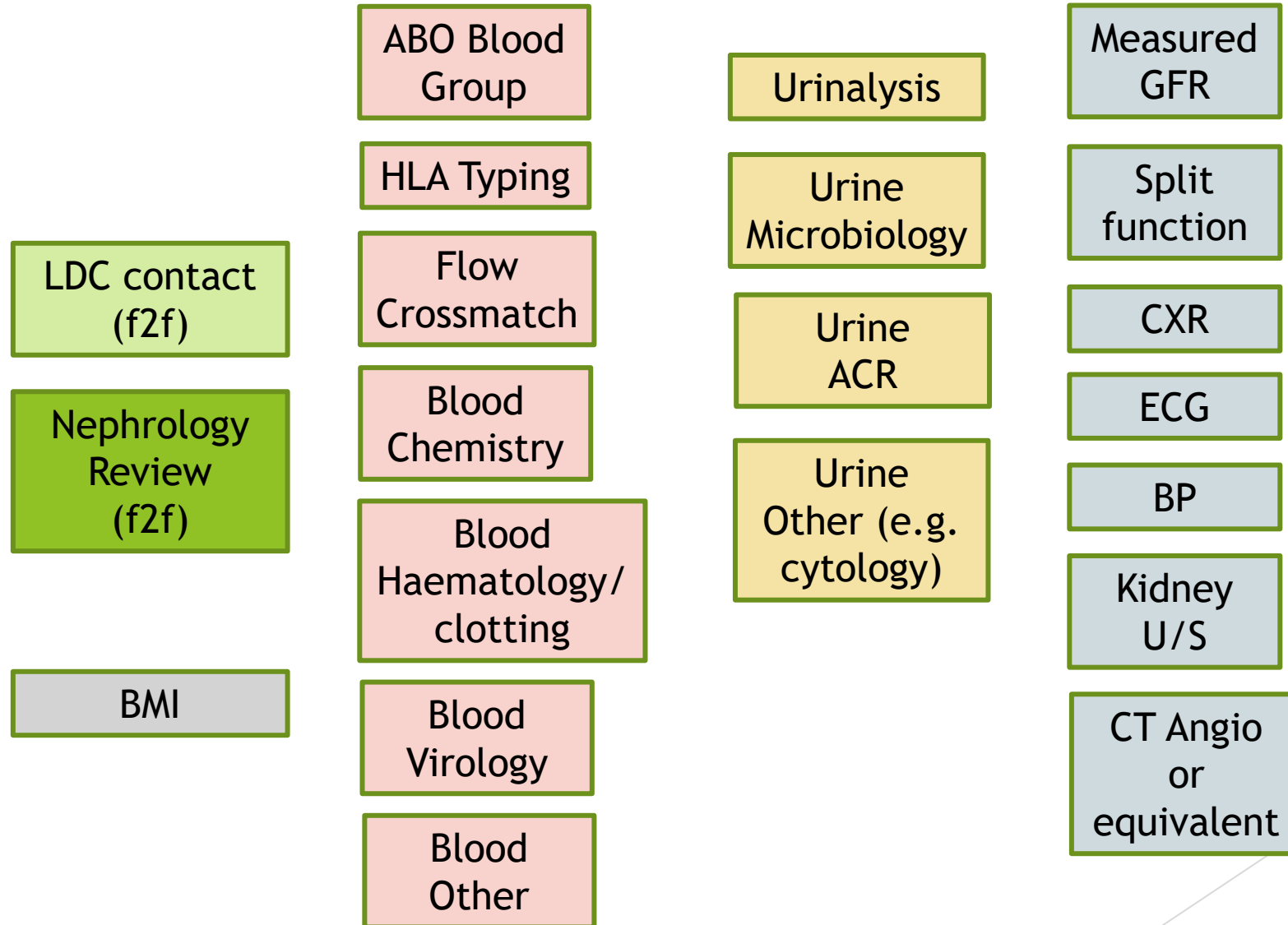


Pathway 1

- ▶ Single volunteer for recipient
- ▶ Health questionnaire & electronic care record unremarkable
- ▶ Willing for Kidney Sharing Scheme

Visit 1

Tx centre



Visit 2

Tx centre

Surgical
Review
(f2f)

Urinalysis

BP

Contact

via Teams

Independent
Assessor

Visit 3

Tx centre

LDC
Pre-admission
(f2f)

ABO Blood
Group

Flow
Crossmatch

Blood
Chemistry

Blood
Haematology/
clotting

Blood
Virology

Blood
Other

Urinalysis

Urine
Microbiology

Pathway 1

- ▶ Single volunteer for recipient
- ▶ Health questionnaire & electronic care record unremarkable
- ▶ Willing for Kidney Sharing Scheme

Three visits
to transplant centre

Pathway 2

- ▶ Multiple potentially suitable volunteers for one recipient

OR

- ▶ Single potentially suitable volunteer but unwilling for Kidney Sharing Scheme

Visit 1 local unit / Tx centre

Nurse or
LDC contact
(f2f)

ABO Blood
Group

HLA Typing

Visit 2 Tx centre

Visit 3 Tx centre

LDC contact (f2f)

Nephrology Review (f2f)

ABO Blood Group

HLA Typing

Flow Crossmatch

Blood Chemistry

Blood Haematology/ clotting

Blood Virology

Blood Other

Urinalysis

Urine Microbiology

Urine ACR

Urine Other (e.g. cytology)

Measured GFR

Split function

CXR

ECG

BP

Kidney U/S

CT Angio or equivalent



Surgical Review (f2f)



Urinalysis

BP

Visit 4 Tx centre

Contact via Teams

LDC Pre-admission

ABO Blood Group

Flow Crossmatch

Blood Chemistry

Blood Haematology/ clotting

Blood Virology

Blood Other

Urinalysis

Urine Microbiology



Independent Assessor

Pathway 2

- ▶ Multiple potentially suitable volunteers for one recipient

OR

- ▶ Single potentially suitable volunteer but unwilling for Kidney Sharing Scheme

*Four visits
to transplant centre

*first may be local

Pathway 3

- ▶ Non-directed altruistic donor

Visit 1 Tx centre

LDC contact
(f2f)

Visit 2 Tx centre

Visit 3 Tx centre

LDC contact (f2f)

Nephrology Review (f2f)

ABO Blood Group

HLA Typing

Flow Crossmatch

Blood Chemistry

Blood Haematology/ clotting

Blood Virology

Blood Other

Urinalysis

Urine Microbiology

Urine ACR

Urine Other (e.g. cytology)

Measured GFR

Split function

CXR

ECG

BP

Kidney U/S

CT Angio or equivalent



Surgical Review (f2f)



Urinalysis

BP

Visit 4 Tx centre

Contact via Teams

LDC Pre-admission

ABO Blood Group

Flow Crossmatch

Blood Chemistry

Blood Haematology/ clotting

Blood Virology

Blood Other

Urinalysis

Urine Microbiology



Independent Assessor

Visit 5 Tx centre

Psychology

Pathway 3

- ▶ Non-directed altruistic donor

Five visits
to transplant centre

Belfast pathways

Pathway 1

Three visits
to transplant
centre

Pathway 2

*Four visits
to transplant
centre

Pathway 3

Five visits
to transplant
centre

Additional Investigations/Visits

Based on 641 *who donated* over 10 year period (2010-2019)

Investigation/Visit	Total no. (in 10 yr.)	No. of donors/yr.	% of Donors/yr.
Cystoscopy	13	1	2
Kidney biopsy	12	1	2
Exercise testing/cardiac stress test	0	0	0
Echocardiogram	28	3	4
<i>24hr. ABPM (or home BP)</i>	<i>39</i>	<i>4</i>	<i>6</i>
Psychologist/Counsellor (estimate)	53	5	8
Specialist opinion (other*)	29	3	5

*excluding urology for cystoscopy

Additional Investigations/Visits

Based on 641 *who donated* over 10 year period (2010-2019)

Investigation/Visit	Total no. (in 10 yr.)	No. of donors/yr.	% of Donors/yr.
Renal stone profile (24-hr urine)	51	5	9
Additional renal function test (creat cl)	13	1	2
Additional imaging			
Adrenal nodule	11	1	2
Ovarian cyst	10	1	2
Other	19	2	3

Pathway Improvements

1. For pathway 2 - increase the proportion of volunteers who have initial blood tests performed at local centre
 - Challenge: Need buy-in from other services and primary care
2. Arrange additional investigations locally
 - Challenge: need buy-in from other services
 - Challenge: potential delay
 - Impact: limited as tiny number per annum