

## NHS BLOOD AND TRANSPLANT

### LIVER ADVISORY GROUP

#### COMPLIANCE WITH SEQUENTIAL DATA COLLECTION SUBMISSION

#### BACKGROUND

- 1 Transplant centres are required to provide NHS Blood & Transplant (NHSBT) with accurate and regular information regarding patients who are active on the UK elective liver transplant list. This is to enable the matching run produced by ODT Hub Operations to accurately calculate patients' transplant benefit scores (TBS) reflecting the most recent sequential update and rank them in the new National Liver Offering Scheme (NLOS) appropriately.
- 2 A revised version of the Sequential Data Collection (SDC) form was implemented on 14<sup>th</sup> December 2017 covering all the components of the TBS score as well as questions relating to whether recipients would like to consider offers from particular donors. All centres were asked to provide updates on at least a three monthly basis while patients were active on the UK elective liver transplant list.
- 3 NHSBT have established reports which are sent to transplant centres on a regular basis detailing all the patients active on the transplant list and whether the patient requires a sequential update.
- 4 Prior to March 2018, NHSBT required sequential updates for all elective liver transplant patients regardless of whether the patient had a variant syndrome or not. However, at the LAG core group in March 2018, it was agreed that transplant centres should only send sequential updates for chronic liver disease (CLD) or hepatocellular carcinoma (HCC) patients and **not** for variant syndrome patients. This was to prevent variant syndrome patients whose UKELD oscillated around 49 transitioning to the chronic liver disease pool inappropriately.
- 5 This paper reports on the elective liver SDC form return rates as at 7 November 2019.

## METHODS

6 Data on all elective SDC forms received by ODT Hub Information Services between 14 December 2017 and 7 November 2019 were extracted from the UK Transplant Registry (UKTR) on 8 November 2019. Data on all patients active on the elective CLD and HCC list and for whom the TBS score was applicable on the 7 November 2019 were also extracted.

## RESULTS

7 **Table 1** shows the number of sequential data collection forms ODT Hub Information Services have received between 14 December 2017 and 7 November 2019. The number of forms per transplant centre ranged from 100 to 1133 with a median of 641 SDC forms per transplant centre. Six of the seven transplant centres have submitted a median of two SDC forms per patient.

<b>Transplant centre</b>	<b>No. of SDC forms</b>	<b>No. of patients with returned SDC forms</b>	<b>Median (IQR) number of SDC forms per patient</b>
Newcastle	100	45	2 (1, 3)
Leeds	641	184	2 (1, 4)
Cambridge	399	161	2 (1, 3)
Royal Free	467	171	2 (1, 4)
King's College	1131	322	2 (1, 4)
Birmingham	1133	333	2 (1, 5)
Edinburgh	533	138	3 (1, 5)
<b>Total</b>	<b>4404</b>	<b>1354</b>	<b>2 (1, 4)</b>

- 8 Three hundred and thirty seven patients were active on the elective CLD/HCC transplant list and for whom the TBS score would be applicable on 7 November 2019. Combined cardiothoracic and liver patients, paediatric, hepatoblastoma and variant syndrome patients were excluded.
- 9 **Table 2** shows that NHSBT have received either an SDC form or a registration form within the last 30 days for 171 of the 337 patients active on the elective CLD/HCC transplant list. **Table 2** also shows that NHSBT have not received any SDC forms for 35 (10%) patients who had been active on the transplant list for more than 30 days.

Transplant centre	Time since last SDC/ registration update				Total	No. of patients active for at least 31 days and a SDC form has not been received
	≤ 30 days	31-60 days	61-90 days	> 90days		
Newcastle	3 (19%)	4 (25%)	4 (25%)	5 (31%)	<b>16 (100%)</b>	2
Leeds	30 (68%)	13 (30%)	0 (0%)	1 (2%)	<b>44 (100%)</b>	8
Cambridge	11 (38%)	5 (17%)	13 (45%)	0 (0%)	<b>29 (100%)</b>	6
Royal Free	13 (57%)	4 (17%)	3 (13%)	3 (13%)	<b>23 (100%)</b>	3
King's College	40 (50%)	30 (38%)	9 (11%)	1 (1%)	<b>80 (100%)</b>	7
Birmingham	54 (49%)	34 (31%)	19 (17%)	3 (3%)	<b>110 (100%)</b>	7
Edinburgh	20 (57%)	14 (40%)	1 (3%)	0 (0%)	<b>35 (100%)</b>	2
<b>Total</b>	<b>171 (51%)</b>	<b>104 (31%)</b>	<b>49 (15%)</b>	<b>13 (4%)</b>	<b>337</b>	<b>35</b>

## CONCLUSIONS

- 10 NHSBT have received 4404 SDC forms between 14 December 2017 and 7 November 2019 across all seven UK liver transplant centres. Of the 337 patients on the elective CLD/HCC transplant list on 7 November 2019, 62 (19%) had not had a SDC form returned to NHSBT within the last 2 months and NHSBT had not received any SDC forms for 35 patients who were on the transplant list for more than one month.
- 11 Centres are reminded to send regular updates to NHSBT regarding their patients so that the TBS score accurately reflects the patient's condition.