

Supplementary Tables

Survey Question	Statistics
KDPI, CIT, and biopsy are all factors that impact my decision to accept a donor kidney, n (%)	
Agree	51 (92.7)
Neutral	2 (3.6)
Disagree	2 (3.6)
Donor kidney arrival time at my hospital impacts my decision to accept a donor kidney, n (%)	
Agree	14 (25.5)
Neutral	10 (18.1)
Disagree	31 (56.4)
Reduction of CIT to an average of 8 hours would allow me to accept and transplant more kidneys, n (%)	
Agree	42 (76.4)
Neutral	7 (12.7)
Disagree	6 (10.9)

Supplementary Table 1. Consideration of CIT and Donor Parameters in Organ Selection.

Survey Question	< 8 hrs	8-24 hrs	>24 hrs
I would be willing to accept a marginal kidney (high KDPI) if the CIT was			
Agree	42 (76.4)	36 (65.5)	14 (25.5)
Neutral	10 (18.1)	14 (25.5)	8 (14.6)
Disagree	3 (5.5)	5 (9.1)	33 (60.0)
I would be willing to accept a kidney with a poor biopsy (GS rate > 25%) if the CIT was			
Agree	9 (16.4)	5 (9.1)	2 (3.6)
Neutral	17 (30.9)	20 (36.4)	3 (5.5)
Disagree	29 (52.7)	30 (54.6)	50 (90.9)
I would be willing to accept a high KDPI kidney with a poor biopsy (GS rate >25%) if the CIT was			
Agree	8 (14.6)	5 (9.1)	2 (3.6)
Neutral	15 (27.3)	16 (29.1)	3 (5.5)
Disagree	32 (58.1)	34 (61.8)	50 (90.9)

Supplementary Table 2. Consideration of Organ Acceptance with varying CIT. N values represent %.

Survey Question	Statistics
My level of knowledge regarding drones is, n (%)	
Above Average	5 (9.1)
Average	31 (56.4)
Below Average	19 (34.5)
Current civilian drone technologies carrying an organ payload of 20 lb allow for maximum cruise speeds of approximately, n (%)	
10 mph	10 (18.1)
50 mph	30 (54.6)
100 mph	11 (20.0)
200 mph	4 (7.3)
500 mph	0 (0.0)
Regulatory issues aside, it is technically possible for a drone to move an organ payload (20 lb) over 3 miles, n (%)	
Agree	49 (89.1)
Neutral	6 (10.9)
Disagree	0 (0.0)
Regulatory issues aside, it is technically possible for a drone to move an organ payload (20 lb) over 250 miles, n (%)	
Agree	25 (45.5)
Neutral	16 (29.1)
Disagree	14 (25.5)
Drones can fly autonomously, n (%)	
Agree	26 (47.3)
Neutral	12 (21.8)
Disagree	17 (30.9)
I have flown/piloted a drone, n (%)	
True	13 (23.6)
False	42 (72.4)
In my view, the primary current use of drones is for, n (%)	
Recreation	16 (29.1)
Military/Defense	35 (63.6)
Humanitarian	1 (1.8)
Commercial	3 (5.5)

Supplementary Table 3. Knowledge of Drones. Bold indicates the correct answer to the technical questions.

Survey Question	Statistics
Civilian drone use is a scary concept, n (%)	
Agree	13 (23.6)
Neutral	17 (30.9)
Disagree	25 (45.5)
Civilian drones make me nervous, n (%)	
Agree	19 (34.5)
Neutral	11 (20.0)
Disagree	25 (45.5)
Drones have the potential to help people, n (%)	
Agree	51 (92.7)
Neutral	3 (5.5)
Disagree	1 (1.8)
Drones have/will have a role in medicine, n (%)	
Agree	40 (72.7)
Neutral	13 (23.6)
Disagree	2 (3.6)

Supplementary Table 4. Surgeon Perception of Drones.

Characteristics	Statistics
Organ drone transportation as a mode of organ transport will affect my decision to accept an organ, n (%)	
Agree	16 (29.1)
Neutral	25 (45.5)
Disagree	14 (25.5)
Drones for organ transportation will change my patient's decision to accept an organ, n (%)	
Agree	4 (7.3)
Neutral	28 (50.9)
Disagree	23 (41.8)
My patients know how organs are currently transported, n (%)	
Agree	7 (12.7)
Neutral	10 (18.1)
Disagree	38 (69.1)
My patients will be nervous to learn their organ could be transported by drone, n (%)	
Agree	6 (10.9)
Neutral	19 (34.5)
Disagree	30 (54.6)
I don't care what mode of transport the organ arrives by, but speed and quality are my focus, n (%)	
Agree	50 (90.9)
Neutral	3 (5.5)
Disagree	2 (3.6)
I would be more likely to accept an organ shipped by drone, n (%)	
Agree	9 (16.4)
Neutral	27 (49.1)
Disagree	19 (34.5)

Supplementary Table 5. Willingness to Accept Drone Transported Organs.

Survey Question	Statistics
It would be beneficial for me to know more accurately (within minutes) when a kidney will arrive at my hospital, n (%)	
Agree	48 (87.3)
Neutral	4 (7.3)
Disagree	3 (5.5)
It would be beneficial for my hospital and OR staff to know more accurately (within minutes) when a kidney will arrive to my hospital, n (%)	
Agree	48 (87.3)
Neutral	5 (9.1)
Disagree	2 (3.6)
Organs transported by unmanned means (Drone) should be monitored real-time during transport, n (%)	
Agree	47 (85.5)
Neutral	6 (10.9)
Disagree	2 (3.6)
The current transport communication system is fine, and informs accepting transplant surgeons with everything they need to know regarding shipped organs, n (%)	
Agree	9 (16.4)
Neutral	9 (16.4)
Disagree	37 (67.3)
Innovation in organ transport is important, n (%)	
Agree	50 (90.9)
Neutral	4 (7.3)
Disagree	1 (1.8)

Supplementary Table 6. Need for Real Time Organ Data for Transit.