

Table S1. AST Frailty Working Group Survey of US Adult KT Centers.

Survey Questions	Response	
	Format	Options
Please indicate your provider type	Select one from drop-down	Transplant Nephrologist Transplant Surgeon Transplant Coordinator Nurse/PA/NP Pharmacist Social Worker Other (open text)
What is your transplant center's UNOS code? Please use the following link to look up your code if you do not know it.	Free text	4 digit UNOS Code
Frailty Perception Questions		
In your view, is frailty a useful concept in evaluating candidacy for kidney transplantation?	Select one	Yes No
In defining frailty, which of the following features are important to consider:	Rank with "1" being most important	Functional limitation (eg, walking speed, grip strength, sarcopenia) Morbidity (eg, diabetes mellitus) Psychosocial status (eg, depression or anxiety) Cognitive ability (eg, memory or attention)
In your view, what components are essential in assessing frailty? <ul style="list-style-type: none"> • Grip strength • Gait speed • Sit to stand • Exhaustion • Unintentional weight loss • Low physical activity • Cognitive function • Mood • Skeletal muscle mass • Laboratory markers • Need for ADL assistance • Other (please specify) 	Select one	Important Less Important
Do you think the results of a frailty assessment should be used to influence decisions regarding candidate selection for transplantation (ie, determination of medical appropriateness)?	Select one	Yes (please explain) No (please explain)
In your area of practice, do you think frailty in transplant candidates is a risk factor for adverse outcomes before transplantation (eg, waiting list mortality)? Please explain.	Select one	Yes (please explain) No (please explain)

Do you think the results of a frailty assessment should be used to influence decisions regarding the timing of transplantation (ie, determination of medical urgency)? Please explain.	Select one	Yes (please explain) No (please explain)
In your area of practice, do you think frailty in transplant candidates is a risk factor for adverse outcomes after transplantation (eg, affecting length of stay or post-transplant mortality)? Please explain.	Select one	Yes (please explain) No (please explain)
What interventions before transplantation do you think are useful to improve frailty?	Rank with "1" being most useful	Optimization of dialysis/fluid status Nutrition stimulation or supplements Physical therapy Psychotherapy
If you consider frailty reversible, how do you monitor reversibility?	Free text	
In your view, should there be a distinction between "irreversible" frailty, denoting frailty that is not directly due to end-stage organ failure, and "reversible" frailty, that is likely to improve after transplantation? Please explain.	Select one	Yes (please explain) No (please explain)
In your view, is there a pathophysiological distinction between biological aging and frailty? Please explain.	Select one	Yes (please explain) No (please explain)
In your view, should biological age be considered in assessing frailty? (Is frailty in the young less concerning than frailty in those of advanced age?) Please explain.	Select one	Yes (please explain) No (please explain)
In your view, is there a need for the development of a frailty score in the setting of kidney transplantation? Please explain.	Select one	Yes (please explain) No (please explain)
Please feel free to add any additional comments.	Free text	

Frailty Practice Questions

Do you currently perform a standardized frailty assessment as part of evaluation for kidney transplant candidacy in your practice? Please explain.	Select one	Yes- always (please explain) Yes- sometimes (please explain) No-never (please explain) Not sure
Do you currently perform a standardized frailty assessment for kidney transplant recipients at the time of transplantation in your practice? Please explain.	Select one	Yes- always (please explain) Yes- sometimes (please explain) No-never (please explain) Not sure
If you do not measure frailty, are you interested in measuring frailty among your KT candidates and recipients?	Select one	Yes No
If you currently perform a frailty assessment as part of evaluation for kidney transplant candidacy at your center, who performs the assessment?	Select one	Nurse Nutritionist Occupational Therapist Physical Therapist Respiratory Therapist Physician

		We do not perform frailty assessments as part of evaluation I don't know Other (please specify)
If you currently perform a frailty assessment as part of for kidney transplant recipients at the time of transplantation at your center, who performs the assessment?	Select one	Nurse Nutritionist Occupational Therapist Physical Therapist Respiratory Therapist Physician We do not perform frailty assessments as part of evaluation I don't know Other (please specify)
What tool for the assessment of frailty do you currently use routinely?	Check all that apply	Fried Frailty Phenotype Rockwood Clinical Frailty Scale Short Physical Performance Battery Deficit Index (DAI, also called Frailty Index) Montreal Cognitive Assessment Cognitive function (ie, 3MS, MMSE, or Trail Making Test) Functional status (ie, KDQOL, SF-36, or PCS) Level of sarcopenia Body Mass Index to quantify wasting Number of hospitalizations in the previous year Gill Frailty Measure Frailty/Vigor Assessment Brief Frailty Instrument Vulnerable Elders Survey FRAIL Scale Stair Climbing Assessment Winograd Screening Instrument Timed Up and Go Timed walk (ie, 6-minute walk test)

		Distance walk test (ie, 10-meter walk test) Geriatric Assessment Assessment by a physical therapist Other (Please specify) Don't know
In which candidates do you perform these assessments?	Select one	Just older candidates (please indicate age cut point) All candidates Other (Please explain) Don't know
In addition to age, what comorbidities are considered when identifying individuals who should undergo measures of frailty?	Select one	None Cardiovascular Diabetes History of a stroke Dialysis vintage Obesity Other (Please specify) Don't know
Is this information presented at selection committee?	Select one	Yes No
How else are these assessments used?	Check all that apply	Decisions about listing a patient Decisions about transplanting a patient Decisions to proceed with a living donor transplant Decisions about accepting a high KDPI organ offer Decisions on whether or not to use induction therapy Decisions on which induction therapy to use Decisions to tailor immunosuppression Decisions about prehabilitation prior to KT Determination of the amount of social/home support required prior to listing Quality improvement/research

		Other (Please specify)
<p>If a KT candidate or recipient (of any age) is frail, how likely are you to make the following decisions?</p> <ul style="list-style-type: none"> • List for transplant • Perform deceased donor transplant • Perform living donor transplant • Accept a high KDPI organ offer • Use induction therapy • Tailor maintenance immunosuppression • Prescribe prehabilitation prior to KT • Increase amount of social/home support required prior to listing • Other 	Select one	<p>More likely</p> <p>About the same</p> <p>Less likely</p> <p>Frailty is an absolute contraindication to this action</p>
Is there anything else you would like us to know about assessing frailty at your center?	Free text	