PART 3: Liver Transplant Program

Including Programs Performing Living Donor Liver Transplantation

This application is for (check all that apply):

	Liver	Living Donor Liver
	Transplantation	Transplantation
New Program/ Initial Application		
Key Personnel Change		

PART 3A: Personnel – Transplant Program Director(s)

1. Identify the Transplant Program Surgical and/or Medical Director(s) of the liver transplant program (include C.V.). Briefly describe the leadership responsibilities for each individual, including their role in living donor liver transplantation if applicable.

Check	Question	
list	Reference	Required Supporting Documents
	3A 1	Current C.V.

Name	Date of Appointment	Primary areas of responsibility

PART 3B, Sections 1 & 2: Personnel – Surgical – Primary Surgeon(s)

1. **Primary Liver and/or Living Donor Liver Transplant Surgeon.** Refer to the Bylaws for the necessary qualifications and more specific descriptions of the required supporting documents listed below.

Check	Question			
list	Reference	eference Required Supporting Documents		
	3B 1,a	Current C.V.		
	3,B, 1,d	Letter from the Credentialing Committee of the applicant hospital stating that the surgeon meets all requirements to be in good standing. Please provide an explanation of any status other than active/full.		
	3B 1e,h,i Letter from the Surgeon detailing his/her commitment to the program and describing the transplant training/experience			
	3,B, 1,h Formal Training: A letter from the training director verifying that the fellow has met to requirements			
3,B, 1,i Transplant Experience: A letter from the program director verifying that the individual		Formal Training: Log(s) (organized by date) of the transplant and procurement procedures		
		Transplant Experience: A letter from the program director verifying that the individual has met the primary surgeon requirements and is qualified to direct a liver transplant program		
	3,B, 1,i	Transplant Experience: Log(s) (organized by date) of the transplant and procurement procedures		
living donor hepatectomies performed within the past 5 years. Required only for		Living Donor Liver Experience: A log (organized by date) of major hepatic resection surgeries and living donor hepatectomies performed within the past 5 years. Required only for programs performing or seeking to perform living donor liver transplantation or for changes in the primary living donor liver transplant surgeon(s).		
		Other Letters of Recommendation (Reference)		
	5a	Letter of recommendation attesting to the individual's overall qualifications to act as primary surgeon and addressing the individual's personal integrity, honesty, familiarity with and experience in adhering to OPTN requirements and compliance protocols, and other matters as deemed appropriate		

a)	Name:
b)	This individual is being proposed as (check all that apply):
	Primary Liver Transplant Surgeon
	Primary Living Donor Liver Transplant Surgeon (must complete question c) below)
c)	Living Donor Liver applicants only: Is this individual currently designated as the OPTN primary liver transplant surgeon for the liver transplant program at this hospital? Yes No. If Yes, supply the documents requested in lines 1, 2, 3, 8 and 10 of the checklist above and answer questions j) and m) below. If "No," complete questions d) through m) below. NOTE: If the individual is being proposed simultaneously as the primary liver transplant surgeon and one of the two
	primary living donor liver transplant surgeons, all questions in this section must be answered and all required supporting documentation must be submitted.
d)	Date of employment at this hospital (MM/DD/YY): Date assumed role of primary surgeon (MM/DD/YY):
	Does individual have FULL privileges at this hospital? Yes Provide copy of hospital credentialing letter. No If the individual does not have full privileges, explain why and provide the date the individual will be considered for full privileges. Include an explanation that describes the scope of privileges.

f)	List below the hospitals, heal professional time this individual		and medical group practices	and percentage of
	Facility	Туре	Location (City, State)	% Professional Time Spent on Site

e) Percentage of professional time spent at this hospital: ______% = _____ hrs/week.

g) Board certification type(s) or equivalent. If board certification is pending, indicate the date the exam has been scheduled. If individual has been recertified, **please use that date**.

Certification Type	Certificate Effective Date (MM/DD/YY)	Certificate Valid through Date (MM/DD/YY)	Certification Number

- h) Transplant Training (Fellowship): List the name of the transplant hospital(s) at which liver transplant training (fellowship) was received. Include the program director(s) names, applicable dates, and the number of transplants performed. If the surgeon is qualifying as the primary surgeon through fellowship training also submit the supporting documents listed below. Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents.
 - A letter from program director verifying that the fellow has met the requirements.
 - Logs (see Tables 4A and 4B) of the transplant and procurement procedures. The logs should include a patient identifier/OPTN ID Number, transplant/procurement date and the surgeon's role in the procedure (i.e., primary or 1st assistant). These logs must be signed by the director of the training program.

Date From – To			# LI Transplants	# LI Transplants	# of LI Procurement
MM/DD/YY			as Primary	1st Assisted	as Primary
	Transplant Hospital	Program Director			1 st Assistar

- i) Transplant Experience (Post fellowship): List the name of the transplant hospital(s), program director name(s), applicable dates, and number of liver transplants performed by the individual at each transplant hospital. Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents listed below.
 - Letter(s) of reference from the program director(s) listed below.
 - Log (see Tables 4A and 4B) of the transplant and procurement procedures. The logs should include a patient identifier/OPTN ID Number, transplant/procurement date, and the surgeon's role in the procedure (i.e., primary or 1st assistant).

The transplant log(s) should be signed by the program director, division chief, or department chair from the program where the experience was gained.

					# of LI
Date			# LI	# LI	Procurement
From – To			Transplants	Transplants	as Primary of
MM/DD/YY	Transplant Hospital	Program Director	as Primary	1st Assisted	1 st Assistant

j) Summarize how the surgeon's experience fulfills the membership criteria. (Check all that apply)

Membership Criteria	Yes
1. On site	
2. Certified by the American Board of Surgery, Urology, Osteopathic Surgery, or the	
foreign equivalent	
3. Two-year liver transplant fellowship	
a. Primary surgeon or 1 st assistant on at least 45 liver transplants	
b. Primary surgeon or 1 st assistant on at least 20 liver procurements of which at least 3	
include the selection and management of the donor	
c. Involved in all levels of pre-, peri-, and post-operative patient care within the last 2	
years	
4. Experience (Post Fellowship)	

Membership Criteria	Yes
a. Primary surgeon or 1 st assistant on 60 or more liver transplants over a minimum of 2	
years and a maximum of 5 years	
b. Primary surgeon or 1 st assistant on at least 30 liver procurement procedures of which	
3 include selection and management of the donor	
c. Involved in all levels of pre-, peri-, and post-operative patient care within the last 2	
years	
5. Pediatric Pathway	
a. Program serves predominantly pediatric patients	
b. Individual has maintained current working knowledge in all aspects liver	
transplantation and patient care within the last 2 years.	
c. Hospital has petitioned the Membership and Professional Standards Committee	
(MPSC) for approval	
d. A preliminary interview before the Membership and Professional Standards	
Committee shall be required	
6. Living Donor Liver Experience – Criteria for Full Approval	
a. Primary surgeon or 1 st assistant on 20 major hepatic resection surgeries, including at	
least 7 living donor hepatectomies, within the past 5 years	
7. Living Donor Liver Experience – Criteria for Conditional Approval	
a. Primary surgeon or 1 st assistant on 20 major hepatic resection surgeries within the	
past 5 years	

k) Describe in detail the proposed primary surgeon's level of involvement in this transplant program, and if applicable, describe the surgeon's plan for coverage of transplant programs located in multiple transplant hospitals. (Expand rows below as necessary and use complete sentences (i.e. narrative descriptions) for each).

	Describe Involvement
Management of patients with end stage liver disease	
Recipient selection	
Donor selection	
Histocompatibility and tissue typing	
Transplant surgery	
Post-operative and continuing inpatient care	
Use of immunosuppressive therapy	
Differential diagnosis of liver allograft dysfunction	
Histologic interpretation of allograft biopsies	
Interpretation of ancillary tests for liver dysfunction	
Long term outpatient care	
Coverage of multiple transplant hospitals (if applicable)	
Living Donor Transplantation (if applicable)	
Additional Information	

(Expand rows below as necessary and use complete sentences (i.e. narrative descriptions) for each). Describe Training/Experience Management of patients with end stage liver disease Recipient selection Donor selection Histocompatibility and tissue typing Transplant surgery Post-operative and continuing inpatient care Use of immunosuppressive therapy Differential diagnosis of liver allograft dysfunction Histologic interpretation of allograft biopsies Interpretation of ancillary tests for liver dysfunction Long term outpatient care Additional Information

Describe the proposed primary surgeon's transplant training and experience in the areas listed below.

m) Living donor liver applicants only:

Provide documentation (complete Table 4C) that demonstrates that this individual has experience as the primary surgeon or first assistant in 20 major hepatic resection surgeries, including at least 7 living donor hepatectomies, within the past 5 years.

These cases must be documented. Documentation should include the date of the surgery, medical records identification, and/or UNOS identification number, the role of the surgeon in the operative procedure, the type of procedure and the current Procedural Terminology (CPT) code for the procedure. A blank log for documenting these procedures has been provided at the end of this application (Table 4C). It is recognized that in the case of pediatric living donor transplantation, the living organ donation may occur at a hospital that is distinct from the approved transplant hospital.

Please note: When documenting involvement in living donor hepatectomies, be sure to specify that the procedure was performed on the **donor** if the corresponding CPT code is not provided (e.g., left lobectomy – donor).

2. **Primary Living Donor Liver Transplant Surgeon #2.** Complete this section ONLY if applying for approval to perform living donor liver transplantation or a change in key personnel for one of the primary living donor liver transplant surgeons. Refer to the Bylaws for the necessary qualifications and more specific descriptions of the required supporting documents listed below.

Check	Question						
list	Reference	Required Supporting Documents					
	3,B, 2,a	Current C.V.					
	3,B, 2,c	Letter from the Credentialing Committee of the applicant hospital stating that the surgeon meets all requirements to be in good standing. Please provide an explanation of any status other than active/full.					
	3,B, 2,d,g & ,h	Letter from the Surgeon detailing his/her commitment to the program and describing their transplant experience/training					
	3,B, 2,g	Formal Training: A letter from the training director verifying that the individual has met the requirements					
	3,B, 2,g	Formal Training: Log(s) (organized by date) of the transplant and procurement procedures					
	3,B, 2,h	Transplant Experience: A letter from the program director verifying that the individual has met the					
		primary surgeon requirements and is qualified to direct a liver transplant program					
	3,B, 2,h	Transplant Experience: Log(s) (organized by date) of the transplant and procurement procedures					
	3,B, 2,l	Living Donor Liver Experience: Log(s) (organized by date) of major hepatic resection surgeries					
		and living donor hepatectomies performed within the past 5 years. Required only for programs					
		performing or seeking to perform living donor liver transplantation or for changes in the					
		primary living donor liver transplant surgeon(s).					
	3B	Other letters of recommendation (Reference)					
	5a	Letter of recommendation attesting to the individual's overall qualifications to act as primary					
		surgeon and addressing the individual's personal integrity, honesty, familiarity with and experience					
		in adhering to OPTN requirements and compliance protocols, and other matters as deemed					
		appropriate					

b)	Is this individual currently designated as the OPTN primary liver transplant surgeon for the liver transplant program at this hospital? Yes No. If "Yes," supply the documents requested in lines 1, 2, 3, 8, and 10 of the checklist above and answer questions i) and l) below. If "No," complete questions c) through l) below.
c)	Date of employment at this hospital (MM/DD/YY:
d)	Percentage of professional time spent at this hospital:% = hrs/week

e) List below the hospitals, health care facilities, and/or medical group practices and percentage of professional time this individual is on site at each:

Facility	Туре	Location (City, State)	% Professional Time Spent on Site

f) Board certification type(s) or equivalent. If board certification is pending, indicate the date the exam has been scheduled. If individual has been recertified, **please use that date**.

Certification Type	Certificate Effective Date (MM/DD/YY)	Certificate Valid through Date (MM/DD/YY)	Certification Number

- g) Transplant Training (Fellowship): List the name of the transplant hospital(s) at which liver transplant training (fellowship) was received. Include the program director(s) names, applicable dates, and the number of transplants performed. If the surgeon is qualifying as a primary surgeon through fellowship training also submit the supporting documents listed below. Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents
 - A letter from program director verifying that the fellow has met the requirements.
 - Logs (see Tables 4A and 4B) of the transplant and procurement procedures. The logs should include a medical record/OPTN ID number, transplant/procurement date and the surgeon's role in the procedure (i.e., primary or 1st assistant). These logs must be signed by the director of the training program.

Date From – To MM/DD/YY	Transplant Hospital	Program Director	# LI Transplants as Primary	# LI Transplants 1 st Assisted	# of LI Procurements as Primary or 1 st Assistant	

- h) Transplant Experience (Post fellowship): List the name of the transplant hospital(s), program director(s) names, applicable dates, and number of liver transplants performed by the individual at each hospital. Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents listed below.
 - Letter(s) of reference from the program director(s) listed below.
 - Logs (see Tables 4A and 4B) of the transplant and procurement procedures. The logs should include a medical record/OPTN ID Number, transplant/procurement date and the surgeon's role in the procedure (i.e., primary or 1st assistant).

The transplant log(s) should be signed by the program director, division chief, or department chair from the program where the experience was gained.

Date From – To MM/DD/YY	Transplant Hospital	Program Director	# LI Transplants as Primary	# LI Transplants 1 st Assisted	# of LI Procurements as Primary or 1st Assistant	

i) Summarize how the surgeon's experience fulfills the membership criteria. (Check all that apply) ${}^{\prime}$

Membership Criteria	Yes
1. On site	
2. Certified by the American Board of Surgery, Urology, Osteopathic Surgery or the	
foreign equivalent	
3. Two-year liver transplant fellowship	
a. Primary surgeon or 1st assistant on at least 45 liver transplants	
b. Primary surgeon or 1st assistant on at least 20 liver procurements of which at least 3	
include the selection and management of the donor	
c. Involved in all levels of pre-, peri-, and post-operative patient care within the last 2	
years	
4. Experience (Post Fellowship)	
a. Primary surgeon or 1st assistant on 60 or more liver transplants over a minimum of	
2 years and a maximum of 5 years	
b. Primary surgeon or 1st assistant on at least 30 liver procurement procedures of	
which 3 include selection and management of the donor	
c. Involved in all levels of pre-, peri-, and post-operative patient care within the last 2 years	
5. Pediatric Pathway	
a. Program serves predominantly pediatric patients	
b. Demonstrate that the individual has maintained current working knowledge in all aspects liver transplantation and patient care within the last 2 years.	
c. The hospital has ppetitioned the Membership and Professional Standards Committee (MPSC) for approval	
d. A preliminary interview before the Membership and Professional Standards Committee shall be required	
6. Living Donor Liver Experience – Criteria for Full Approval	
a. Primary surgeon or 1st assistant on 20 major hepatic resection surgeries, including	
at least 7 living donor hepatectomies, within the past 5 years	
7. Living Donor Liver Experience – Criteria for Conditional Approval	
a. Primary surgeon or 1st assistant on 20 major hepatic resection surgeries within the past 5 years.	

j) Describe in detail the proposed primary surgeon's level of involvement in this transplant program, and if applicable, describe the surgeon's plan for coverage of transplant programs located in multiple transplant hospitals. (Expand rows below as necessary and use complete sentences (i.e. narrative descriptions) for each).

	Describe Involvement
Management of patients with end stage liver disease	
Recipient selection	
Donor selection	
Histocompatibility and tissue typing	
Transplant surgery	
Post-operative and continuing inpatient care	
Use of immunosuppressive therapy	
Differential diagnosis of liver allograft dysfunction	
Histologic interpretation of allograft biopsies	
Interpretation of ancillary tests for liver dysfunction	
Long term outpatient care	
Coverage of multiple transplant hospitals (if applicable)	
Living donor transplantation (if applicable)	
Additional Information	

k) Describe the proposed primary surgeon's transplant training and experience in the areas listed below. (Expand rows below as necessary and use complete sentences (i.e. narrative descriptions) for each). Describe Training/Experience Management of patients with end stage liver disease Recipient selection Donor selection Histocompatibility and tissue typing Transplant surgery Post-operative and continuing inpatient care Use of immunosuppressive therapy Differential diagnosis of liver allograft dysfunction Histologic interpretation of allograft biopsies Interpretation of ancillary tests for liver dysfunction Long term outpatient care Additional Information

l) Provide documentation (complete Table 4C) that demonstrates that this individual has experience as the primary surgeon or first assistant in 20 major hepatic resection surgeries, including at least 7 living donor hepatectomies, within the past 5 years.

These cases must be documented. Documentation should include the date of the surgery, medical records identification and/or UNOS identification number, the role of the surgeon in the operative procedure, the type of procedure and a current Procedural Terminology (CPT) code for the procedure. A blank log for documenting these procedures (**Table 4C**) has been provided at the end of this application. It is recognized that in the case of pediatric living donor transplantation, the living organ donation may occur at a hospital that is distinct from the approved transplant hospital.

Please note: When documenting involvement in living donor hepatectomies, be sure to specify that the procedure was performed on the **donor** if the corresponding CPT code is not provided (e.g., left lobectomy – donor).

Additional Instructions for PART 3B, Section 3: Personnel – Additional/Other Surgeons

Complete this section of the application to describe the involvement, training, and experience of other surgeons associated with the program. Surgeons must be designated as **Additional** or **Other** as described below.

All surgeons must be listed in Table 1 (Certificate of Investigation) in this application.

The Bylaws provide the following definition of **Additional Transplant Surgeon**:

Additional Transplant Surgeons must be credentialed by the institution to provide transplant services and be able to <u>independently manage</u> the care of transplant patients including performing the transplant operation and procurement procedures.

Surgeons that also support this program but who do not meet the definition of "primary" or additional" should complete this section as well. The type should be indicated as "Other."

Duplicate pages as needed.

PART 3B, Section 3: Personnel – Additional/ Other Surgeons
3. Additional and Other Surgeons (Duplicate this section as needed). Provide the attachments listed below.

Check list	Question Referenc e	Required Supporting Documents
	3,B, 3,a	Current C.V.
	3,B, 3,c	A letter from the Credentialing Committee of the applicant hospital stating that each surgeon meets all requirements to be in good standing. Please provide an explanation of any status other than active/full
	3,B,3,d,f, & g	A letter from each surgeon detailing his/her commitment to the program and level of involvement in substantive patient care

		3,B,3,d,f, & g		n each surgeon d ent in substantiv	O	nitment to the program and leve
a)	Name					
b)	This	surgeon partio	cipates in (chec	k all that apply)	:	
					T	ype
					Additional	Other
	Live	er Transplanta	ation			
			er Transplanta	tion		
c)			eve FULL privi Provide co If the indiv the individ	leges at this hospy of hospital crividual does not h	edentialing letter. nave full privileges, e idered for full privile	explain why and provide the dat ges. Include an explanation tha
d)	Perce	ntage of prof	essional time s	pent on site:	% = hrs/v	week
e)					rd certification is pen fied, please use that	ding, indicate the date the exam date.
					Certificate	

Certification Type	Certificate Effective Date (MM/DD/YY)	Certificate Valid through Date (MM/DD/YY)	Certification Number

f) Transplant Training (Fellowship): List the name of the transplant hospital(s) at which liver transplant training (fellowship) was received. Include program director(s) names, applicable dates, and the number of transplants the individual performed.

Date From – To MM/DD/YY	Transplant Hospital	Program Director	# LI Transplants as Primary	# LI Transplants 1st Assisted	# of LI Procurements as Primary or 1 st Assistant	

g) Transplant Experience (Post fellowship): List the name of the transplant hospital(s), program director name(s), applicable dates, and number of liver transplants performed by the individual at each hospital.

Date From – To MM/DD/YY	Transplant Hospital	Program Director	# LI Transplants as Primary	# LI Transplants 1st Assisted	# of LI Procurements as Primary or 1 st Assistant	

rows as necessary and use complete sentences (i.e. narrative descriptions) for each). **Describe Involvement** Management of patients with end stage liver disease Recipient selection Donor selection Histocompatibility and tissue typing Transplant surgery Post-operative and continuing inpatient care Use of immunosuppressive therapy Differential diagnosis of liver allograft dysfunction Histologic interpretation of allograft biopsies Interpretation of ancillary tests for liver dysfunction Long term outpatient care Living donor transplantation (if applicable) Additional Information

h) Describe the surgeon's level of involvement in this liver transplant program in the areas listed below. (Expand

i) Describe the surgeon's liver transplant training and experience in the areas listed below. (Expand rows as necessary and use complete sentences (i.e. narrative descriptions) for each). Describe Training/Experience Management of patients with end stage liver disease

Recipient selection	
Donor selection	
Histocompatibility and tissue typing	
Transplant surgery	
Post-operative and continuing inpatient care	
Use of immunosuppressive therapy	
Differential diagnosis of liver allograft dysfunction	
Histologic interpretation of allograft biopsies	
Interpretation of ancillary tests for liver dysfunction	
Long term outpatient care	
Additional Information	

PART 3C, Section 1: Personnel – Medical – Primary Physician

1. **Primary Liver Transplant Physician**. Refer to the Bylaws for necessary qualifications. Provide the attachments listed below:

Check list	Question Referenc e	Required Supporting Documents
	3,C, 1,a	Current C.V.
	3,C, 1,c	Letter from the Credentialing Committee of the applicant hospital stating that the physician meets all requirements to be in good standing. Please provide an explanation of any status other than active/full.
	3,C, 1,d,g,h	Letter from the Physician detailing his/her commitment to the program; level of involvement with substantive patient care; and summarizing their previous transplant experience.
	3,C, 1,g	Formal Training: A letter from the training director verifying that the individual has met the requirements.
	3,C, 1,g	Formal Training: Log(s) (organized by date) of the transplant patients followed.
	3,C, 1,h	Transplant Experience: A letter from the program director verifying that the individual has met the primary physician requirements and is qualified to direct a liver transplant program.
	3,C, 1,h	Transplant Experience: Llog(s) (organized by date) of the transplant patients followed.
	3C	Other Letters of Recommendation (Reference)
	5a	Letter of recommendation attesting to the individual's overall qualifications to act as primary physician and addressing the individual's personal integrity, honesty, familiarity with and experience in adhering to OPTN requirements and compliance protocols, and other matters as deemed appropriate

a)	Name:
b)	Does this individual participate in the care of living liver donors? Yes No Is this individual currently designated as the OPTN primary liver transplant physician for the liver transplant program at this hospital? Yes No. If "Yes," supply the documents requested in lines 1, 2, 3 and 9 of the checklist above and answer question j) below. If "No," complete questions c) through l) below.
c)	Date of Appointment (MM/DD/YY): Facility: To this position: Date of employment at this hospital (MM/DD/YY): Date assumed role of primary physician (MM/DD/YY):
	Does individual have FULL privileges at this hospital? Yes Provide copy of hospital credentialing letter. If the individual does not have full privileges, explain why and provide the date the individual will be considered for full privileges. Include an explanation that describes the scope of privileges.
d)	Percentage of professional time on site:% = hrs/week

e) List other hospitals, health care facilities, and/or medical group practices and percentage of professional time on site at each:

Facility	Туре	Location (city, state)	% Professional Time Spent on Site

f) Board certification type(s) or equivalent. If board certification is pending, indicate the date the exam has been scheduled. If individual has been recertified, **please use that date.**

Certification Type	Certificate Effective Date (MM/DD/YY)	Certificate Valid through Date (MM/DD/YY)	Certification Number

g) Transplant Training (Fellowship): List the program(s) at which liver transplant training was received. Include the name of the transplant hospital(s), program director(s) names, applicable dates, and the number of transplant patients for which the physician provided substantive patient care (pre-, peri- and post-operatively from the time of transplant). If the physician is qualifying as the primary physician through fellowship training also submit the supporting documents listed below:

Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents.

- Letters from the director of fellowship training program and the supervising physician verifying that the fellow has met the requirements.
- Recipient logs (see Table 4D) that includes the date of transplant, the patient's medical record and/or OPTN ID number. This log must be signed by the director of the training program and/or primary transplant physician at that transplant program.

Fre	Date om To			Pat	# Liver tients Follo	wed
	/dd/yy	Transplant Hospital	Program Director	Pre	Peri	Post

- h) Transplant Experience (Post fellowship only): List the name of the transplant hospital(s), program director name(s), applicable dates, and number of liver transplants performed at the transplant hospital for whom the transplant physician accepted primary responsibility for substantive patient care (pre-, peri-, and post-operatively from the time of transplant). Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents listed below.
 - Supporting letter(s) from the qualified liver transplant physician and/or liver transplant surgeon with whom the proposed primary physician has previously worked.
 - Recipient log (see Table 4D) that includes the date of transplant and the patient's medical record and/or OPTN ID number. This log should be signed by the program director, division chief, or department chair from the program where the experience was gained.

Fre	Date om To			Par	# Liver tients Follo	wed
	/dd/yy	Transplant Hospital	Program Director	Pre	Peri	Post

- i) TransplantTraining/Experience. Describe how the physician fulfills the criteria for participating as an observer in 3 multiple organ procurements and 3 transplants that include the liver, as well as observing the evaluation of the donor and donor process, and management of at least 3 multiple organ donors which include the liver.
 - Provide a log (Complete Table 4E) of these cases that includes the date of procurement, medical record ID number and/or OPTN ID number, and the location of the donor.
 - If these requirements have not been met, submit a plan explaining how the individual will fulfill them.

Date From To mm/dd/yy	Transplant Hospital	# of LI Procurements Observed	# of LI Transplants Observed	# of LI Donors/ Donor Process	# of Multi-Organ Donors Observed Mgmt.

j) Summarize how the Transplant Physician's experience fulfills the membership criteria. (Check all that apply)

Membership Criteria	Yes
1. On site	
2. M.D., D.O. or equivalent degree from another country	
3. Certified in Gastroenterology by the American Board of Internal Medicine, American Board of Pediatrics or the foreign equivalent	
4. Direct involvement in liver transplant patient care within the last 2 years.	
5. Transplant Hepatology Fellowship	
a. Participated in 12 month transplant hepatology fellowship	
b. Participated in primary care of 30 or more liver transplant recipients for a minimum of 3 months from the time of their transplant	
c. Observed 3 organ procurement procedures and 3 liver transplants	
d. Observed the evaluation of the donor and donor process and management of at least 3	1
multiple organ donors that include the liver	
6. Experience in Liver transplantation (Post Fellowship)	
a. 2-5 years experience on an active liver transplant service	1
b. Participated in the primary care of 50 or more liver transplant recipients for a minimum of 3	1
months from the time of their transplant over a 2-5 year period	
c. Observed 3 organ procurement procedures and 3 liver transplants	
d. Observed the evaluation of the donor and donor process and management of at least 3	
multiple organ donors that include the liver	
7. Pediatric Gastroenterology Fellowship (3 years)	
a. Fellowship training program accredited by the ACGME RRC-Ped	

Membership Criteria	Yes
b. Transplant program at which training takes place performs an average of at least 10 liver transplants on pediatric patients per year.	
c. Participated in the primary care of 10 or more pediatric liver transplant recipients	
d. Followed 20 liver transplant recipients for a minimum of 3 months from the time of their transplant	
e. Direct involvement in the pre-, peri-, and post-operative care of 10 or more pediatric liver recipients	
f. Observed 3 organ procurement procedures and 3 liver transplants	
g. Observed the evaluation of the donor and the donor process and management of at least 3 multiple organ donors that include the liver	
8. Transplant Medicine Fellowship – <i>for Board-Certified or Eligible Pediatric Gastroenterologists</i>	
a. Transplant program at which training takes place performs an average of at least 10 liver transplants on pediatric patients per year.	
b. Participated in the primary care of 10 or more pediatric liver transplant recipients	
c. Followed 20 liver transplant recipients for a minimum of 3 months from the time of their transplant	
d. Direct involvement in the pre-, peri-, and post-operative care of 10 or more pediatric liver recipients	
e. Observed 3 organ procurement procedures and 3 liver transplants	
f. Observed the evaluation of the donor and the donor process and management of at least 3 multiple organ donors that include the liver	
9. Combined Training/Experience – <i>for Board-Certified or Eligible Pediatric Gastroenterologists</i>	
a. Two or more years of experience accumulated during fellowship, after fellowship or during both periods at a UNOS-approved liver transplant hospital	
b. Participated in the primary care of 10 or more liver transplants on pediatric patients	
c. Followed 20 liver transplant recipients for a minimum of 6 months from the time of their transplant	
d. Directly involved in the pre-, peri- and post-operative care of 10 or more liver transplants in pediatric patients.	
e. Observed 3 organ procurement procedures and 3 liver transplants	
f. Observed the evaluation of the donor and the donor process and management of at least 3 multiple organ donors that include the liver	
10. Pediatric Pathway	
a. Program serves predominantly pediatric patients	
b. Individual has maintained current working knowledge in all aspects of liver transplantation and patient care within the last 2 years.	
c. Hospital has petitioned the Membership and Professional Standards Committee (MPSC) for approval	
d. A preliminary interview before the Membership and Professional Standards Committee shall be required	
11. 12-month Conditional Pathway - Only available to Existing Programs	
a. Board Certified Gastroenterologist/Hepatologist	
b. Involved in the primary care of 25or more liver transplant recipients for a minimum of 3 months from the time of their transplant	
c. Minimum of 12 months on an active liver transplant service acquired over a maximum of 2 years for individuals qualifying by virtue of acquired clinical experience.	
d. Consulting relationship with counterparts at another approved liver transplant hospital established (include letter of support)	

k) Describe in detail the proposed primary transplant physician's involvement in the management of patients in this program and, if applicable, their plan for coverage of multiple transplant hospitals. (Expand rows as necessary and use complete sentences (i.e. narrative descriptions) for each). **Describe Involvement** Management of patients with end stage liver disease

Care of acute liver failure	
Recipient selection	
Donor selection	
Histocompatibility and tissue typing	
Post-operative and continuing inpatient care	
Use of immunosuppressive therapy	
Differential diagnosis of liver allograft dysfunction	
Histologic interpretation of allograft biopsies	
Interpretation of ancillary tests for liver dysfunction	
Long term outpatient care	
Care of the living liver donor (if applicable)	
Coverage of multiple transplant hospitals (if applicable)	
Care of living donors (as applicable)	
Additional Information	

Describe the proposed primary physician's transplant training and experience in the areas listed below. For
individuals certified in pediatric gastroenterology, please address these areas as they pertain to the pediatric
liver candidate/recipient. (Expand rows as necessary and use complete sentences (i.e. narrative
descriptions) for each).

	Describe Training/Experience
Management of patients with end stage liver disease	
Care of acute liver failure	
Recipient selection	
Donor selection	
Histocompatibility and tissue typing	
Post-operative and continuing inpatient care	
Use of immunosuppressive therapy	
Differential diagnosis of liver allograft dysfunction	
Histologic interpretation of allograft biopsies	
Interpretation of ancillary tests for liver dysfunction	
Long term outpatient care	
Fluid and electrolyte management (Peds GI only)	
Effects of transplantation and immunosuppressive agents on growth and development (Peds GI only)	
Manifestation of rejection in the pediatric patient (Peds GI only)	
Additional Information	

Additional Instructions for PART 3C, Section 2: Personnel –Additional/Other Physician(s)

Complete this section of the application to describe the involvement, training, and experience of other physicians associated with the program. Physicians must be designated as **Additional** or **Other** as described below.

All physicians must be listed in Table 1 (Certificate of Investigation) in this application.

The Bylaws provide the following definition of **Additional Transplant Physician**:

Additional Transplant Physicians must be credentialed by the institution to provide transplant services and be able to independently manage the care of transplant patients.

Physicians that also support this program but who do not meet the definition of "primary" or "additional" should complete this section as well. The type should be indicated as "Other".

Duplicate pages as needed.

PART 3C, Section 2: Personnel –Additional/Other Physician(s)

2. **Additional and Other Physicians (Duplicate this section as needed).** Refer to the Bylaws for the necessary qualifications and descriptions of the required supporting documents listed below.

Check	Question	
List	Reference	Required Supporting Documents
	3,C, 2a	Current C.V.
	3,C, 2,c	A letter from the Credentialing Committee of the applicant hospital stating that the
		physician meets all requirements to be in good standing. Please provide an
		explanation of any status other than active/full.
	3,C,2,d,f,	A letter from the Physician detailing his/her commitment to the program and level
	& g	of involvement in substantive patient care.

a)	Name:
o)	This physician participates in (check all that apply):
	Туре
	Additional Other
	Liver Transplantation
	Care of Living Liver Donors
2)	Date of employment at this hospital (MM/DD/YY): Does individual have FULL privileges at this hospital? Yes Provide copy of hospital credentialing letter No If the individual does not have full privileges, explain why and provide the date the individual will be considered for full privileges. Include an explanation that describes the scope of privileges.
1)	Percentage of professional time spent on site:% = hrs/week
<u>e</u>)	Board certification type (s) or equivalent. If board certification is pending, indicate the date the exam has been scheduled. If individual has been recertified, <u>please use that date.</u>

Certification Type	Certificate Effective Date (MM/DD/YY)	Certificate Valid through Date (MM/DD/YY)	Certification Number

f) Transplant Training (Fellowship): List the program(s) at which liver transplant training was received. Include the name of the transplant hospital(s), program director(s) names, applicable dates, and the number of transplant patients followed for whom the physician provided substantive care (preperiand post-operatively from the time of transplant).

Date From To		Program	# Liver Pts. Followed		
mm/dd/yy	Transplant Hospital	Director	Pre	Peri	Post

g) Transplant Experience (Post fellowship only): List the name of transplant hospital(s), program director(s) names, applicable dates, and the number of liver transplants performed at the hospital for whom the Transplant Physician accepted primary responsibility for substantive patient care (pre-, peri- and post-operatively from the time of transplant).

Date From To		Program	# Liver Pts. Followed		
mm/dd/yy	Transplant Hospital	Director	Pre	Peri	Post

h) Describe in detail the transplant physician's involvement in this liver transplant program. (Expand rows as necessary and use complete sentences (i.e. narrative descriptions) for each). **Describe Involvement** Management of patients with end stage liver disease Care of acute liver failure Recipient selection Donor selection Histocompatibility and tissue typing Post-operative and continuing inpatient care Use of immunosuppressive therapy Differential diagnosis of liver allograft dysfunction Histologic interpretation of allograft biopsies Interpretation of ancillary tests for liver dysfunction Long term outpatient care Care of the living liver donor (if applicable) Additional Information

i) Describe the physician's transplant training and experience in the role of transplant patient management in the areas listed below. For individuals certified in pediatric gastroenterology, please address these areas as they pertain to the pediatric liver candidate/recipient. (Expand rows as necessary and use complete sentences (i.e. narrative descriptions) for each).

	Describe Training/Experience
Management of patients with end stage liver disease	
Care of acute liver failure	
Recipient selection	
Donor selection	
Histocompatibility and tissue typing	
Post-operative and continuing inpatient care	
Use of immunosuppressive therapy	
Differential diagnosis of liver allograft dysfunction	
Histologic interpretation of allograft biopsies	
Interpretation of ancillary tests for liver dysfunction	
Long term outpatient care	
Fluid and electrolyte management (Peds GI only)	
Effects of transplantation and immunosuppressive agents on growth and development (Peds GI only)	
Manifestation of rejection in the pediatric patient (Peds GI only)	
Care of the living liver donor (if applicable)	
Additional Information	

PART 3D: Living Donor Liver Transplantation

Complete this section ONLY if applying for initial approval for living donor liver transplantation.

It is recognized that in the case of pediatric living donor transplantation, the living organ donation may occur at a hospital that is distinct from the approved transplant hospital. If this program performs pediatric transplants, please list any other hospitals where the donor evaluation and surgery may routinely occur.

<u> </u>	Hospital Name	Location	
4	RT 3D, Section 1: Other St	aff and Resources	
		the short and long term risks for the potential living donor are spital and the donor? The response needs to address the following donor considerations.	
		Services: Identify the designated members of the transplant tean psychosocial needs of living donors. Describe their role in thi	
	responsibility for coordinating the	psychosocial needs of living donors. Describe their role in thi	
	responsibility for coordinating the rows as needed).		
	responsibility for coordinating the rows as needed).	psychosocial needs of living donors. Describe their role in thi	
	responsibility for coordinating the rows as needed).	psychosocial needs of living donors. Describe their role in thi	

3. Describe how the program meets the requirement for having an Independent Donor Advocate (IDA) who is not involved with the potential recipient evaluation and who is independent of the decision to transplant the potential recipient.

Yes ____

Yes ____

No ____

No ____

make an informed decision?

affirm voluntary nature of proceeding with the evaluation and donation?

Part 3D, Section 2: Living Donor Liver Transplantation – Protocols

1. Liver transplant programs that perform living donor liver recoveries must demonstrate that they have written protocols as listed below. Submission of actual protocol is not required as a part of this application.

	in Protocol?
Yes	No
Protocols addressing all phases of living donation process:	
Evaluation	
Pre-operative	
Operative	
Post-operative care	
Submission of follow up forms.	
IDA – descriptions of duties and responsibilities	
Include the following elements:	
 promotes the best interests of the potential living donor; advocates the rights of the potential living donor; and 	
advocates the rights of the potential fiving donor; and assists the potential donor in obtaining and understanding information	
regarding the:	
consent process; evaluation process; surgical procedure; and benefit	
and need for follow-up.	
Medical Evaluation by a physician and/or surgeon experienced in living	
donation to assess and minimize risks to the potential donor post-donation,	
which shall include a screen for any evidence of occult liver disease.	
Psychosocial Evaluation of the potential living donor by a psychiatrist,	
psychologist, or social worker with experience in transplantation to	
• determine decision making capacity,	
screen for any pre-existing psychiatric illness, and	
evaluate any potential coercion.	
Screening for evidence of transmissible diseases such as cancers and	
infections	
Radiographic assessment to ensure adequate anatomy and volume of the donor and of the remnant liver.	
Informed Consent for Donor Evaluation Process and Donor Hepatectomy:	
 discussion of the potential risks of the procedure including the medical, psychological, and financial risks associated with being a living donor; 	
assurance that all communication between the potential donor and the	
transplant hospital will remain confidential;	
discussion of the potential donor's right to opt out at any time during the	
donation process;	
discussion that the medical evaluation or donation may impact the	
potential donor's ability to obtain health, life, and disability insurance; and	
disclosure by the transplant hospital that it is required, at a minimum, to	
submit Living Donor Follow-up forms addressing the health information	
of each living donor at 6 months, one-year, and two-years post donation.	
The protocol must include a plan to collect the information about each	
donor.	
Documentation of disclosure to donor candidate by the hospital that it is	
unlawful to sell or purchase human organs.	
amantar to our or parenase manan organis.	

2. Describe how the hospital will assess compliance with each protocol listed above. (Use complete sentences).

Table 1: Certificate of Investigation

The Bylaws state that "Each primary surgeon or primary physician, listed on the application as a part of the plan for who shares coverage responsibility, shall submit an assessment, subject to medical peer review confidentiality requirements and which follows quidelines provided in the application and is satisfactory to the MPSC, of all physicians and surgeons participating in the program regarding their involvement in prior transgressions of UNOS requirements and plans to ensure that the improper conduct is not continued." (Emphasis Added)

a) This hospital has conducted its own peer review of all surgeons and physicians listed below to ensure

compliance with applicable OPTN/UNOS Bylaws.	
Names of Surgeons*	
Names of Physicians*	
Names of Physicians**	
b) If prior transgressions were identified has the hospital developed a plan to ensure that the not continued? Yes No Not Applicable	e improper conduct i
c) If yes, what steps are being taken to correct the prior improper conduct or to ensure the imrepeated in this program? Provide a copy of the plan.	nproper conduct is no
I certify that this review was performed for each named surgeon and physician accord peer review procedures.	ing to the hospital'
Signature of Primary Surgeon:	Date:
Print name:	
Signature of Primary Physician:	Date:
Print name:	

*additional rows may be added as necessary

Table 2— Program Coverage Plan

Please answer the questions below and provide a written copy of the current Program Coverage Plan. The plan must be signed by either:

- a. the OPTN/UNOS Representative;
- b. the Program Director(s); or
- c. the Primary Surgeon and Primary Physician.

In accordance with the Bylaws, the program director, in conjunction with the primary transplant surgeon and transplant physician, must submit a written Program Coverage Plan, which documents how 100% medical and surgical coverage is provided by individuals credentialed by the hospital to provide transplant service for the program. A transplant program served by a single surgeon or physician shall inform its patients of this fact and potential unavailability of one or both of these individuals, as applicable, during the year. The Program Coverage Plan must address the following requirements:

	Yes	No
Is this a single surgeon program?		
Is this a single physician program?		
If the answer to either one of the above questions is "Yes," explain the protocol f	or notifyii	ng
patients.		
Does this transplant program have transplant surgeon(s) and physician(s)		
available 365 days a year, 24 hours a day, 7 days a week to provide		
program coverage?		
If the answer to the above question is "No," an explanation must be provided tha	t justifies	why
the current level of coverage should be acceptable to the MPSC.		
Transplant programs shall provide patients with a written summary of the		
Program Coverage Plan at the time of listing and when there are any		
substantial changes in program or personnel. Has this program developed		
a plan for notification?		
Is a surgeon/physician available and able to be on the hospital premises		
within one-hour ground transportation time to address urgent patient		
issues?		
Is a transplant surgeon readily available in a timely manner to facilitate		
organ acceptance, procurement, and implantation?		
Unless exempted by the MPSC for specific causal reasons, the primary		
transplant surgeon/primary transplant physician cannot be designated as		
the primary surgeon/primary transplant physician at more than one		
transplant hospital unless there are additional transplant		
surgeons/transplant physicians at each of those facilities. Is this program		
requesting an exemption?		
If yes, provide explanation below.		
Additional information:		

Table 3: OPTN Staffing Report

LIVER TRANSPLANT PROGRAM

Member Code:	Name of Hospital:				
Main Program Phone Number	Main Program Fax Number:		Hospital URL: http://www		
Toll Free Phone numbers for Patients:	Hospital #:	Program #:			

Answer the questions below for this transplant program. Since this information will be used to update UNETsm and the Membership Directory, make sure to include the best (most accurate) telephone number and address for each person. Check "L" and/or "D" to specify each individual's involvement with living donor liver transplantation, deceased donor liver transplantation, or both as applicable. Add extra rows or use additional pages as necessary. The surgeons and physicians named below should match those listed on the Certificate of Investigation.

Identify the Transplant Program Medical and/or Surgical Director(s):

Name	L	D	Address	Phone	Fax	Email

Identify the **surgeons** who perform transplants . Indicate if they are an "additional" (A) or "other" (O) surgeon in the columns labeled L (Living Donor) and D (deceased donor)

Name	L	D	Address	Phone	Fax	Email

Identify the **physicians** (internists) who participate in this transplant program. Indicate if they are an "additional" (A) or "other" (O) physician in the columns labeled L (Living Donor) and D (deceased donor) L D Address Name Phone Fax **Email** Identify the **Hospital Administrative Director/Manager** who will be involved with this program: **Use an * to indicate** which individual will serve as the primary Transplant Administrator if more than one is listed. L D Address Phone **Email** Name Fax Identify the **Financial Counselor(s)** who will be involved with this program: L D Address Name Phone Fax **Email**

The **clinical transplant coordinators** who participate in this transplant program are:

List the data coordinators for this transplant program below. Use an * to indicate which individual will serve as the primary data coordinator.	Name	L	D	Address	Phone	Fax	Email
ist the data coordinators for this transplant program below. Use an * to indicate which individual will serve as the primary data coordinator.							
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	st the data coordin	ators for this tran	ısplan	nt program below. Use an * to indica	te which individual will serve as the	e primary data coordinate	or.
Jame L D Address Phone Fax Email							

Name	L	D	Address	Phone	Fax	Email

Identify the **Social Worker(s)** and other **Mental Health Professionals** who will be involved with this program:

Name	L	D	Address	Phone	Fax	Email

Name	A	ddı	ress	Phone	Fax	Email	
dentify the Pharmacis t	t (s) who will t	e in	volved with this program:				
Name	L	D	Address		Phone	Fax	Email
dentify the Director(s)	of Anesthesio	logy	who will be involved with this prog	ram:			
Name	L	D	Address		Phone	Fax	Email

TABLE 4A – Primary Surgeon - Transplant Log (Sample)

Or	gan:			
Na	me of Proposed Prima	ry Surgeon:		
Na	me of hospital where t	ransplants were		
Da	rformed: te range of surgeon's a	appointment/trainin	ng:	
	M/DD/YY to MM/DD/ aplete a separate form f		ognital	
List	cases in date order	or each transplant il	iospitai.	
#	Date of Transplant	Medical Record/ OPTN PT ID #	Primary Surgeon	1 st Assistant
1				
2				
3				
1 2 3 4 5 6 7				
5				
7				
8				
9				
10				
11				
12				
13				
14				
15				
16				
17 18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30	 end lines on log as neede			

Date: _____

Director's Signature:

Organ:						
Name of Prop	osed Prima	ary Surgeon:				
Name of hosp when procure						
Date range of MM/DD/YY t	surgeon's	appointment/tra	nining:			
ist cases in dat						
Date of	,	Donor ID		tion of	Comments	
Procureme	ent	Number	Dono	or (hospital)	(LRD/CAD/Multi-organ)	
)						
2						
3						
1						
5						
6						
7						
3						
9						
)						
L						
2						
3						
1						
5						
5						
7						
3						
)						
)						
1						
2						
3						
5						
	log as need					

Director's Signature: Date: _____

TABLE 4C – Primary Living Donor Liver Surgeon – Log for Living Donor Hepatectomies and other Hepatic Resection Surgeries (Sample) (For Living Donor Liver Applicants Only)

Organ:	
Name of Proposed Primary Surgeon:	
Date range of surgeon's appointment/training: MM/DD/YY to MM/DD/YY	

Log should demonstrate that this individual has experience as the primary surgeon or first assistant in 20 major hepatic resection surgeries, including at least 7 living donor hepatectomies, within the past 5 years.

These cases must be documented. Documentation should include the date of the surgery, medical records identification and/or UNOS identification number, the role of the surgeon in the operative procedure, the type of procedure and a Current Procedural Terminology (CPT) code for the procedure. It is recognized that in the case of pediatric living donor transplantation, the living organ donation may occur at a hospital that is distinct from the approved transplant hospital.

Please note: When documenting involvement in living donor hepatectomies, be sure to specify that the procedure was performed on the **donor** if the corresponding CPT code is not provided (e.g., left lobectomy – donor).

List cases in date order

#	Date of Surgery	Medical Records/ UNOS ID#	Surgeon Role Primary/ 1 st Assistant	Recovery Hospital	Type of surgical procedure	CPT Code (
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						

Extend lines on log as needed

Applicable CPT codes for living donor hepatectomies/major hepatic resections:

Live Donor

47140 Live Donor Hepatectomy (segments II, III - left lateral segment)

47141 Live Donor Hepatectomy (segments II, III, IV -- left lobe)

47142 Live Donor Hepatectomy (segments V, VI, VII, VIII -- right lobe)

Major Hepatic Resections

47120 Hepatectomy (partial lobectomy)

47122 Trisegmentectomy

47125 Total left lobectomy

47130 Total right lobectomy

TABLE 4D – Primary Physician – Recipient Log (Sample)

List only those patients followed for 3 months from the time of transplant (including pre-, peri-, and post-operative management).

Organ:	
Name of Proposed Primary Physician:	
Name of hospital where transplants were	
performed:	
Date range of physician's appointment/training:	
MM/DD/YY to MM/DD/YY	
Complete a senarate form for each transplant hospital	

Complete a separate form for each transplant hospital.

List cases in date order

#	Date of Transplant	Medical Record/ OPTN ID #	Pre-operative	Peri-operative	Post- Operative (90 days follow	Comments
	1				up care	
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
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31						
32						
33						
34						
35						

Extend lines on log as needed

Director's Signature:	 Date:	

TABLE 4E - Primary Physician - Observation Log (Sample)

Organ:	
Name of Proposed Primary Physician:	
Name of hospital where physician was employed	
when observations were performed:	
Date range of physician's appointment/training:	
MM/DD/YY to MM/DD/YY	

In the tables below, document how the physician fulfills the requirements for participation as an observer in organ procurements and transplants, as well as observing the selection and management of at least 3 multiple organ donors that include the organ for which application is being submitted. *List cases in date order*.

Procurements Observed

#	Date of	Medical Record/	Location of Donor (Hospital)
	Procurement	OPTN ID #	
1			
2			
3			
4			
5			

Transplants Observed

#	Date of Transplant	Medical Record/ OPTN ID #	Location (Hospital)
1	•		
2			
3			
4			
5			

Donor Selection and Management

#	Date of Procurement	Medical Record/ OPTN ID #	Location of Donor (Hospital)	Liver or Multi-organ?
1				
2				
3				
4				
5				