**CURRICULUM VITAE**

**David C. Mulligan, MD, FACS**

**Version date:**  10/26/2022

**Proposed for Appointment:** Professor, Clinician-Educator, Department of Surgery

## Term: Primary Appointment

**School:** Yale University School of Medicine

**Education:**

1977–1981 BA, Bellarmine College, Chemistry and Biology

1982-1986 M.D. University of Louisville School of Medicine

2014 MPA, Yale University 2014

**Career/Academic Appointments:**

July 1986- June 1987 Internship, General Surgery, University of Louisville

July 1987- June 1988 Residency, General Surgery, University of Louisville

July 1988- June 1991 Residency, Urologic Surgery, University of Louisville

July 1991- June 1993 Residency, General Surgery, Case Western Reserve University

July 1993- June 1995 Fellowship, Multi-Organ Transplantation, Baylor University Medical Center, Dallas, TX

July 1995- Aug 1998 Assistant Professor of Surgery – Case Western Reserve University, Cleveland, Ohio

July 1995- Aug 1998 Director of Liver Transplantation – University Hospitals of Cleveland, Case Western Reserve University, Cleveland, Ohio

Oct 1998- Aug 2013 Chair, Hepatobiliary and Pancreatic Surgery – Division of Transplant Surgery, Department of Surgery, Mayo Clinic, Scottsdale, Arizona

July 1999- June 2002 Assistant Professor of Surgery – College of Medicine, Mayo Clinic

July 2002- June 2006 Associate Professor of Surgery – College of Medicine, Mayo Clinic

July 2006- Aug 2013 Professor Surgery, College of Medicine, Mayo Clinic

July 2010- Aug 2013 Director, Transplant Center, Mayo Clinic, Phoenix, AZ

Sept 2013 – present Division Chief, Transplant Section, Department of Surgery, New Haven, CT

**Administrative Positions:**

July 1998- August 2013 Consultant, Division of Transplant Surgery, Department of Surgery, Mayo Clinic, Scottsdale, AZ

July 1999- August 2013 Surgical Director, Division of Transplant Surgery, Department of Surgery, Mayo Clinic, Scottsdale, AZ

July 2006- August 2013 Professor Surgery, College of Medicine, Mayo Clinic

July 2012- August 2013 Director, Transplant Center, Mayo Clinic, Phoenix, AZ

Sept 2013 – present Division Chief, Transplant Section, Department of Surgery, New Haven, CT

June 2023 – present Board of Directors member,American Society of Transplant Surgeons, Arlington, VA

**Board Certification:**

1994- Present American Board of Surgery, Diplomate

1987- Present National Board of Medical Examiners (NBME), Diplomate

**Professional Honors & Recognition:**

***International/National/Regional***

2015-21 Castle Connolly Top Doctors, Connecticut

2006: Distinguished CME Educator – Mayo Clinic in Arizona

2006: Distinguished Mayo Clinician – Mayo Clinic in Arizona

2001 Castle Connolly, Top Doctors, Arizona

1997: Presley F. Martin, M.D. Memorial Award

1997: Student Affairs Award for Outstanding Leadership

1997: Special Recognition Award for Outstanding Senior Student – Alpha Omega Alpha Honor Medical Society

1994: Five Star Spirit Award – Baylor University Medical Center

1986: Senior Honors Student in Surgery – University of Louisville School of Medicine

1984: Outstanding Young Men in America – Jaycees

1983-86 Class President – University of Louisville School Medicine

1982-83 Class Vice-President – University of Louisville School of Medicine

***University***

2021-22 Charles W. Bohmfalk Prize for Teaching in Clinical Sciences, Yale School of Medicine, New Haven, CT

2015 Masters Privatum – Yale University, New haven, CT

**Grants/Clinical Trials History:**

***Past Clinical Trials***

A Randomized, Prospective, Double-Blinded Evaluation

of Selective Bowel Decontamination in Liver Transplantation. (1469-98).

Co- Principal Investigator

1998-2002

Ischemia-Reperfusion Injury Funded by J. Orin Edson Foundation.

Co- Principal Investigator

Clinical Utility of the Mayo End-Stage Liver Disease Model

Score for Following Patients Awaiting Orthotopic Liver Transplantation. (2166-00)

Co- Principal Investigator

2002-2004

A Pilot Study Using Intron A (Interferon alfa-2b) or

Pegylated Intron A Plus Ribavirin for Treatment of Recurrent

Hepatitis C Virus Following Transplantation. (499-00).

Co- Investigator

200-2003

Prevalence of Osteoporosis in Patients with End-Stage

Liver Disease. (2229-00)

Co-Principal Investigator

2000-2004

The Effect of HCV on Outcomes of Resection for 200

Hepatocellular Carcinoma (HCC) in th MayExperience.(2053-00).

Co Principal Investigator

2002-2004

           Renal Cell Carcinoma Metastatic to Pancreas. (2075-00)

Principal Investigator

2002-2004

Biliary Complications Associated with CMV Hepatitis in

Orthotopic Liver Transplant. (2203-00)

Principal Investigator

2000-2002

Tacrolimus Use in a Liver Flush Solution to Decrease

Reperfusion Injury Following Liver Transplantation. (101-00).

Principal Investigator

2000-2002

"Does Diabetes Mellitus Influence Hepatitis C Virus (HCV)”. (1239-01).

Principal Investigator

2001-2002

Screening Colonoscopy Prior to Liver Transplantation (1533-01).

Co- Investigator

2001-2002

"A Prospective, Randomized Trial of Calcineurin-Inhibitor

Withdrawal in Renal Allograft Recipients". (124-01).

Co- Investigator

2001-2011

"A Multi-Center Study of the Safety and Efficacy of

N-Acetylcysteine in the Treatment of Acute Liver Failure

Not Caused by Acetaminophen". (1088-01)

Co- Investigator

2001-2008

"Cancer Tissue Study". (2130-00)

Other Staff Study

2/2001-7/2004

An Open Randomized, Prospective Multicenter Study to

Compare the Efficacy and Safety Among Three

Immunosuppressant Treatment Regimens in Patients

Receiving a Liver Transplant for End-Stage Liver Disease

Caused by Chronic Hepatitis C (1202-02).

Co – Investigator

2002-2007

A Randomized, Open-Label, Comparative Evaluation of

Conversion from Calcineurin Inhibitor Treatment to Sirolimus

Treatment Versus Continued Calcineurin Inhibitor Treatment

in Liver Allograft Recipients Undergoing Maintenance Therapy. (1780-02).

Co- Investigator

2002-2003

Chart Review for Factors Affecting Kidney Transplan Patients

with Documented CMV Disease. (2101-03).

Co – Investigator

2003-2004

A Pilot Phase II Multicenter, Randomized Double-Bilateral

Placebo Controlled, Dose Escalation Study of the Safety

and Efficacy of a Human HCV-Antibody (HCV-Ab XTL 68)

for Prevention of Hepatitis C Disease Recurrence in Patients (2-03).

Co- Investigator

2003-2006

Chart Review for Factors Affecting Kidney Transplant Patients

with Documented CMV Disease. (2101-03)

Co- Investigator

"A One-Year, Multicenter, Partially Blinded, Double-Dummy,

Randomized Study to Evaluate the Efficacy and Safety of

FTY720 Combined with Reduced Dose or Full-Dose

Neoral and Corticosteroids Versus Mycophenolate

Mofetil (MMF, CellCept) C " (1311-03).

Co- Investigator

2003-2007

CL-000006556-PRO-0006: Caspase Inhibitor, IDN-6556,

in OLT. Funded by IDUN Pharmaceutical.

Principal Investigator

2003-2004

"Assessment of Hepatobiliary Anatomy After Donor

Hepatectomy for Living Donor Liver Transplantation"

MCS087. (130-03).

Principal Investigator

2003-2007

Use of Prostaglandin E1 in High Risk Liver Transplant

Recipients Improves Early Graft Function. (2268-03).

Principal Investigator

2003-2004

Retrospective Review of Alprostdil Use in the Early

Post-Liver Transplant Setting, Beneficial or Not? (2102-03)

Principal Investigator

2003-2004

Safety, Tolerability and Efficacy Study of a Caspase

Inhibitor, IDN-6556, in Patients Undergoing Orthotopic

Liver Transplantation (OLT). (1369-03).

Co-Principal Investigator

"A Prospective, Randomized, Multicenter, Open-Label,

Comparative Safety and Efficacy Study of Prophylactically

Administered Pegylated Interferon alfa-2a (Pegasys®)

Plus Ribavirin vs. No Prophylaxis Following

Liver Transplantation for He...". (1404-04).

Co -Investigator

2004-2009

"Quality of Life Among Living and Deceased

Donor Liver Transplant Recipients". (2461-04).

Other Staff Study

2004-2009

"Kidney Transplantation in Patients with Positive Flow Crossmatch". (2368-04).

Co-Investigator

2004-2007

SV40 Pathogenesis of Human Infections. Funded by

National Institute of Allergy and Infectious Diseases.

(R01 CA104818).

Co- Investigator

2004-2009

"Randomized Trial of Thymoglobulin Induction, Initial

Tacrolimus and Mycophenolate Mofetil Therapy with

Steroid Avoidance in Primary Kidney Transplant Recipients

Followed by Continued Tacrolimus/Mycophenolate

Mofetil Therapy" (37-05).

Co- Investigator

2005-2011

The Effect of Donor Hepatectomy on the Pharmacokinetics

of Fentanyl, Vecuronium and Dexmedetomidine. (923-05).

Co- Investigator

"Non-Invasive Evaluation of Pulmonary Vascular Resistance

in Patients with End Stage Liver Disease". (1012-05).

Co – Investigator

2005-2007

"A Prospective, Open-Label, Multi-Center, Randomized Trial of the Efficacy and Safety of a Long Term Calcineuri Inhibitor Free Maintenance Regimen with Mycophenolate Mofetil and Sirolimus in Recipients of an Orthotopi Transplant". (1462-05).

Co- Investigator

"A Phase IV, Randomized, Open-Label, Comparative,

Multicenter Study to Assess the Safety and Efficacy of

Induction Agents Alemtuzumab (Campath 1H), Basiliximab

(Simulect) or Rabbit Anti-Thymocyte Globulin (Thymoglobulin).

In Combination...". (1740-05).

Co- Investigator

2005-2009

A 24-Month, Multicenter, Randomized, Open-Label

Co- Investigator

2006 – 2007

Non-Inferiority Study of Efficacy and Safety Comparing

Concentration-Controlled Certican in Two Doses

(1.5 and 3.0 mg/day starting doses) With Reduced

Neoral vs. 1.44 g Myfortic With Standard Dose Neoral

in de novo Renal Transplant Recipients. Novartis.

Co- Investigator

A Phase IIIb, Randomized, Open-Label, Comparative,

Multi-Center Study to Assess the Safety and Efficacy of

Prograf vs. Modified Release Tacrolimus (MR) With

CellCept and Steroid Withdrawal in de novo Liver

Transplant Recipients. Astellas Pharma US, Inc. (06-003069)

Co- Investigator

2006-2

Steroid avoidance in kidney transplant recipients with obesity. (06-005278).

Co- Investigator

2006-2009

07-003467/ViroPharma 1263-301/ Maribavir Versus

Oral Ganciclovir in: Maribavir Versus Oral Ganciclovir for

the Prevention of Cytomegalovirus Disease in Recipients

of Orthotopic Liver Transplants. Funded by ViroPharma Incorporated.

Co- Investigator

2007-2009

The role of neo adjuvant and adjuvant chemo and radiation

therapy in patients undergoing surgical resection for pancreatic

adenocarcinoma, neuroendocrine malignancy, cholangiocarcinoma,

hepatic malignancy and other hepato-pancreato-biliary cancers. (07-000990).

Co- Investigator

2007-2008

Donor and Recipient Outcomes of Living Donor

Liver Transplantation. (07-003831).

Principal Investigator

2007-2010

Does Plavix increase the risk of complications after kidney transplantation? (07-004833).

Co- Investigator

2007-2010

A Randomized, Double-Blind Study to Assess the Efficacy

and Safety of Prophylactic Use of Maribavir Versus Oral

Ganciclovir for the Prevention of Cytomegalovirus Disease

in Recipients of Orthotropic Liver Transplants.

ViroPharma Incorporated. (07-003467).

Co- Investigator

2007-2010

Comparison of Glucose Metabolism Post Transplantation

Among Diabetic Patients Receiving Simultaneous Pancreas

and Kidney Transplant and Non- Diabetic Patients Receiving

Kidney Transplantation. (07-003287).

Co- Investigator

2007-2011

Pancreas transplantation using rapid steroid taper and

protocol biopsies. (07-008137).

Co – Investigator

2007-2011

Influence of Genetic Polymorphisms on Tacrolimus

Metabolism Among Native Americans.

Astellas Pharma US, Inc. (07-004306).

Co- Investigator

2007-2012

IM103-045 Evaluation of Belatacept as First-line

Immunosuppression in De Novo Liver Transplant Recipients.

Bristol-Myers Squibb. (07-006244).

Co- Investigator

2008-2012

Economic impact of recipient MELD score, donor risk

index, MELD exceptions on hospital utilization. (08-000476).

Co – Investigator

2008-2009

The role of neo adjuvant and adjuvant chemo and radiation

therapy in patients undergoing surgical resection for pancreatic

adenocarcinoma, neuroendocrine malignancy, cholangiocarcinoma,

hepatic malignancy and other hepato-pancreato-biliary cancers. (08-003320).

Co- Investigator

200

Intraductal Papillary Mucinous Neoplasm in Liver Transplant Recipients. (08-006232).

Co- Investigator

2008-2009

Review of Glucose Metabolism and Post Transplantation

Outcomes Among Type 2 Diabetic Patients Receiving

Simultaneous Pancreas and Kidney Transplant. (08-000156).

Co- Investigator

2008-2010

Genetic Alterations of Hepatocellular Carcinoma Associated

with Shorter Recurrence-Free and Overall Survival Following

Orthotopic Liver Transplantation (08-001026).

Co- Investigator

2008-2010

The Coronary Screening for Kidney Transplantation (COST)

Study: Feasibility Phase Study. National Institutes of Health

(NIH): subcontract w U of Minnesota. (08-001949).

Co – Investigator

2008-2010

New Onset Diabetes Mellitus after Liver Transplantation (08-001324).

Co- Investigator

2008-2011

ediate Post-Transplant Period After Solid Organ Transplantation. (08-005602).

Co- Investigator

2008-2013

WOUND COMPLICATIONS AFTER KIDNEY TRANSPLANTATION.

no funding necessary. (09-004819)

Co- Investigator

2009-2010

A Phase 2, Open-Label, Multi-Center, Randomized Trial To

Demonstrate the Pharmacokinetics Of LCP-Tacro™

Tablets Once Daily and Prograf® Capsules Twice Daily In

Adult De Novo Liver Transplant Patients (LCP-Tacro 2018).

LifeCycle Pharma. (08-007672).

Co – Investigator

2009-

LifeCycle 2018/A PHASE 2, OPEN-LABEL, MULTI-CENTER,

RANDOMIZED TRIAL TO. Funded by Life Cycle. (2018).

Co- Investigator

2009-2010

Outcomes of Renal Transplant Recipients Utilizing Expanded

Criteria Donors. No specific Mayo funds required.

Chart review only. (09-004620).

Co- Investigator

2009-2013

12414, A Phase III randomized, double-blind,

placebo-controlled study of sorafenib as adjuvant

treatment for hepatocellular carcinoma after surgical

resection or local ablation. Bayer HealthCare Pharmaceuticals:

CRO is Covance. (08-004479).

Co- Investigator

2009-2013

Vargas/07-006244/Evaluation of Belatacept as First-line

Immunosuppression in De Novo Liver Transplant Recipients

in: Extension: Evaluation of Belatacept as First-line

Immunosuppression in De Novo Liver Transplant Recipients.

Funded by Bristol-Myers Squibb Pharmaceutical.

Co- Investigator

2009-2011

A Collection Protocol for Patients with Pancreatic Cancer

to Provide Blood Components Via Leukapheresis For

Investigations in Pancreatic Cancer Immunotherapy.

National Institute of Health. (09-003635).

Other Staff Study

11/2009 – 10/2013

Prospective Analysis of Predictors of New Onset Diabetes

After Liver Transplantation. Mayo CR5. (09-007440).

Co- Investigator

01/2010 – 12/2013

A Prospective, Multicenter Comparison of Multiphase

Contrast Enhanced CT and Multiphase Contrast Enhanced

MRI for Diagnosis of Hepatocellular Carcinoma and Liver

Transplant Allocation. ACRIN-American College of Radiology

Imaging Network. (10-005978)

Other Staff Study

02/2011 – 01/2014

Utilization of Organs for Transplantation from Center for

Disease Control High Risk Donors: A Single Center review.

No specific Mayo funds. (11-004892).

Co- Investigator

2011 – 2013

Frailty and sarcopenia in candidates for liver transplantation.

No funding. (11-0

Co-Investigator

2011-2013

A Phase 2/3, Double-Blind, Placebo-Controlled,

Two-Part Study (Part 1 Open-Label) to Assess the Safety,

Efficacy and Pharmacokinetics of Single Intravenous

Doses of ASP8597. (Diannexin) in de novo Kidney Transplant Recipients.

Astellas Pharma Global Development, Inc. (11-007615)

Co- Investigator

2012-2013

Feasibility Study: Using Resolution, MD for remote image

viewing. Radiology Department at Mayo Clinic in AZ.

(12-000582)

Co- Investigator

02/2012 – 02/2014

Biopsy Outcomes of Kidneys from Deceased Donors with

Acute Kidney Injury. no funding needed. (11-006465)

Co- Investigator

03/2012- 02/2014

A Pilot Study to Characterize Flow-Sorted Genomics in

Patients with Advanced Biliary Tract Cancers. CR5 Award

Mayo Clinic Arizona. (12-002196).

Co- Investigator

05/2012 – 04/2014

A Prospective, Single-blind, Randomized, Phase III Study

to Evaluate the Safety and Efficacy of Fibrin Sealant Grifols

(FS Grifols) as an Adjunct to Hemostasis During Parenchymous

Tissue Open Surgeries.  Sponsor:  Grifols, PI:  Sukru Emre.  $43,958

Co- Investigator

2013-2016

Eculizumab for Prevention of Delayed Graft Function in

Deceased Donor Kidney Transplantation Aim: A pilot prospective,

randomized study to test the efficacy of eculizumab

(vs. placebo; given once at the time of transplantation and

once 24 hours later) in preventing.  DGF in first adult

recipients of deceased donor kidneys.

Sponsor:  Icahn School of Medicine at Mount Sinai.

PI:  Sanjay Kulkarni.

Co- Investigator

2014-2016

Analysis of the Risk of Daytime vs Nighttime Interventional

Radiology Biopsies at Yale-New Haven Hospital

Agency: Yale University School of Medicine

HIC#: 1412015038. Percent Effort: N/A

Principal Investigator

2014-2016

Evaluation of Acute Rejection in de novo Renal Transplant

Recipients Following Thymoglobulin Induction, CNI-Free,

Nulojix (belatacept) – based Immunosuppression (IM 103-177).

Aim: The primary objective is to assess the incidence of clinically-

suspected and biopsy proven acute rejection (CSBPAR) at 6 months

post-transplant in de novo renal allograft recipients treated with

thymoglobulin induction, rapid corticosteroid withdrawal, and

maintenance belatacept in combination with MMF or EVL, or

maintenance TAC in combination with MMF.

Sponsor:  Bristol Myers-Squibb.  PI:  Richard Formica.  $250,699

Co Investigator

2015-2016

A Randomized, Parallel-Group, Double-Blind, Placebo-

Controlled Multi-Center Study of Eculizumab for the Prevention

of Delayed Graft Function After Kidney Transplantation in Adult Subjects at Increased Risk of Delayed Graft Function (PROTECT Study) Alexion Pharmaceuticals, Inc.,

P.I. Sanjay Kulkarni.

Percent Effort: N/A

Sub- Investigator

2015-2016

QPI-1002 for Prevention of Delayed Graft Function in

Recipients Of an Older Donor Kidney Transplant (ReGIFT)

Agency: Quark Pharmaceuticals Inc.

I.D.# HIC#1510016593. P.I. Sanjay Kulkarni

Percent effort: N/A

Sub- Investigator

2015-2019

Impact of Perioperative Frailty on Perioperative Outcomes

In Patients Undergoing Renal Allotransplantation

PI: Ranjit Deshpande

Total costs for project: N/A

Sub- Investigator

2017-2020

### Effects of Inhibiting Early Inflammation in Kidney Transplant

### Patients: Randomized Controlled Trial of Infliximab (Remicade®)

### Induction Therapy For Deceased Donor Kidney Transplant

### Recipients (U01 AI063594-11).  Aim: The objective of the study is to

### determine the efficacy of intravenous infliximab administered at the time of transplantation, prior to reperfusion, on 2-year kidney transplant survival and function.

### PI:  Peter Heeger,

Site PI:  Richard Formica.  $190,850 annually

Co – Investigator

2015-2021

David Mulligan, MD

Title: Living Donor Liver Transplantation: Yale Experience

HIC: 20000021010

Unfunded

Principal Investigator

HERCULES:  Hepatitis C Positive Organ to Recipient Hepatitis

C Negative Longitudinal Transplant Study Compare time to

Transplant for Registrants Listed to Consider Allografts from

HCV NAT+ Donors Versus those who are not.

Unfunded

Co- Investigator

5/24/2019

***Federal***

Adult to Adult Living Donor Transplantation

Funded by NIH in Collaboration with Mayo Clinic Rochester

Application funded for Federal Grant

Co- Investigator

2009-2014

SV40 Pathogenesis of Human Infections.

Funded by National Institute of Allergy and

Infectious Diseases.

(R01 CA104818)

Co- Investigator

2004-2009

***Foundation***

The Investigation of NF-kB Inhibition in Prevention

of Ischemia-Reperfusion Injury.

Funded by J. Orin Edson Foundation.

Principal Investigator

2000-2002

***Industry***

Maribavir Versus Oral Ganciclovir in: Maribavir

Versus Oral Ganciclovir for the Prevention of

Cytomegalovirus Disease in Recipients of Orthotopic

Liver Transplants.

07-003467/ViroPharma 1263-301

Funded by ViroPharma Incorporated.

Co- Investigator

2007-2009

A PHASE 2, OPEN-LABEL, MULTI-CENTER, RANDOMIZED

1/2009-12/2010

TRIAL TO.

LifeCycle 2018/

Funded by Life Cycle. (2018)

Co- Investigator

Caspase Inhibitor, IDN-6556, in OLT

Funded by IDUN Pharmaceutical.

CL-000006556-PRO-0006:

Principal Investigator

11/2003-10/2004

Funded

Evaluation of Belatacept as First-line

Immunosuppression in De Novo Liver Transplant

Recipients in: Extension: Evaluation of Belatacept as

First-line Immunosuppression in De Novo Liver

Transplant Recipients.

Funded by Bristol-Myers Squibb Pharmaceutical.

Vargas/07-006244/

Co- Investigator

2003-2004

***Mayo Clinic***

Assessment of biliary tree by MRCP

Funded by Mayo Protocol

Principal

2003-2004

***Mayo IRB Protocol***

Prospective Analysis of Predictors of New Onset

Diabetes After Liver Transplantation. Mayo

CR5. (09-007440)

Co- Investigator

2010-2013

A Phase III randomized, double-blind, placebo-

controlled study of sorafenib as adjuvant treatment for

hepatocellular carcinoma after surgical resection or local ablation.

Bayer HealthCare Pharmaceuticals: CRO is Covance. 12414, (08-004479)

Co- Investigator

2009-2013

Utilization of Organs for Transplantation from

Center for Disease Control High Risk Donors:

A Single Center review. No specific Mayo funds. (11-004892)

Co- Investigator

2011-2013

Frailty and sarcopenia in candidates for liver

transplantation.

No funding. (11-007281)

Co- Investigator

2011-2013

A Collection Protocol for Patients with Pancreatic

Cancer to Provide Blood Components Via Leukapheresis

For Investigations in Pancreatic Cancer Immunotherapy.

National Institute of Health (09-003635) Other Staff Study

2009-2013

A Prospective, Multicenter Comparison of Multiphas Contrast Enhanced CT and Multiphase Contrast Enhanced MRI for Diagnosis of Hepatocellular Carcinoma and

Liver Transplant Allocation

ACRIN-American College of Radiology Imaging Network.

(10-005978)Other Staff Study

2011-2013

Feasibility Study: Using Resolution MD for remote

image viewing.

Radiology Department at Mayo Clinic in AZ.

(12-000582)

Co- Investigator

2012-2013

Biopsy Outcomes of Kidneys from Deceased Donors

with Acute Kidney Injury. no funding needed.

(11-006465)

Co- Investigator

2012-2013

A Pilot Study to Characterize Flow-Sorted

Genomics in Patients with Advanced Biliary Tract Cancers.

CR5 Award Mayo Clinic Arizona.(12-002196) Co- Investigator

2012-2013

Other Study Staff:

"Cancer Tissue Study". (21300)2010-2013

***Completed***

Tacrolimus Use in a Liver Flush Solution to

Decrease Reperfusion Injury Following Liver

Transplantation. (101-00)

Principal Investigator

Renal Cell Carcinoma Metastatic to Pancreas.

(2075-00)

Principal Investigator

2000-2002

Biliary Complications Associated with CMV Hepatitis in

Orthotopic Liver Transplant. (2203-00)

Principal Investigator

2000-2002

"Does Diabetes Mellitus Influence Hepatitis C Virus

HCV” (1239-01)

Principal Investigator

2001-2002

"Assessment of Hepatobiliary Anatomy After

Donor Hepatectomy for Living Donor

Liver Transplantation" MCS087. (130-03)

Principal Investigator

11/2003/11/2004

Use of Prostaglandin E1 in High Risk Liver

Transplant Recipients Improves Early Graft

Function. (2268-03)

Principal Investigator

07/2007-07/2010

Donor and Recipient Outcomes of Living Donor

Liver Transplantation. (07-003831)

Principal Investigator

07/2003 - 06/2006

Safety, Tolerability and Efficacy Study of a

Caspase Inhibitor IDN-6556, in Patients

Undergoing Orthotopic Liver

Transplantation (OLT). (1369-03)

Co- Principal Investigator

A Randomized, Prospective, Double-Blinded

Evaluation of Selective

Bowel Decontamination in Liver Transplantation. (1469-98) Co- Investigator

11/1998 - 07/2002

Prevalence of Osteoporosis in Patients with End- 12/2000 - 02/2004

Stage Liver Disease. (2229-00)

Co- Investigator

Clinical Utility of the Mayo End-Stage Liver

Disease Model Score for Following Patients

Awaiting Orthotopic Liver Transplantation. (2166-00)

Co- Investigator

12/2000 - 11/2004

A Pilot Study Using Intron A (Interferon alfa-2b)

or Pegylated Intron A Plus Ribavirin for Treatment

of Recurrent Hepatitis C Virus

Following Transplantation. (499-00)Co- Investigator

12/2000 - 02/2003

"A Prospective, Randomized Trial of Calcineurin-

Inhibitor Withdrawal in Renal Allograft Recipients".

(124-01)

Co- Investigator

02/2001 - 11/2011

"A Multi-Center Study of the Safety and

Efficacy of N-Acetylcysteine in the Treatment

of Acute Liver Failure Not Caused By Acetaminophen". (1088-01)

Co- Investigator

06/2001 - 03/2008

Screening Colonoscopy Prior to Liver Transplantation. (1533-01)

Co- Investigator

10/2001 - 10/2002

An Open Randomized, Prospective Multicenter

Study to Compare the Efficacy and Safety Among

Three Immunosuppressant Treatment Regimens in

Patients Receiving a Liver Transplant for End-Stage

Liver Disease Caused by Chronic Hepatitis C... (1202-02)

Co- Investigator

07/2002 - 04/2007

A Randomized, Open-Label, Comparative Evaluation

of Conversion from Calcineurin Inhibitor Treatment

to Sirolimus Treatment Versus Continued Calcineurin

Inhibitor Treatment in Liver Allograft Recipients

Undergoing Maintenance Therapy. (1780-02)

Co- Investigator

09/2002 - 09/2003

A Pilot Phase II Multicenter, Randomized Double-

Blind, Placebo Controlled, Dose Escalation Study of the

Safety and Efficacy of a Human HCV-Antibody

(HCV-Ab XTL 68) for Prevention of

Hepatitis C Disease Recurrence in Patients.... (2-03)

Co- Investigator

01/2003 - 10/2005

"A One-Year, Multicenter, Partially Blinded,

Double-Dummy, Randomized Study to Evaluate the

Efficacy and Safety of FTY720 Combined with Reduced

Dose or Full-Dose Neoral and Corticosteroids

Versus Mycophenolate Mofetil (MMF, CellCept) C...". (1311-03) Co- Investigator

09/2003 - 11/2007

Chart Review for Factors Affecting Kidney

Transplant Patients with Documented CMV Disease. (2101-03)

Co- Investigator

10/2003 - 10/2004

Retrospective Review of Alprostdil Use in the

Early Post-Liver Transplant Setting, Beneficial or Not? (2102-03) Co- Investigator

10/2003 - 10/2004

"A Prospective, Randomized, Multicenter,

Open-Label, ComparativeSafety and Efficacy

Study of Prophylactically Administered Pegylated

Interferon alfa-2a (Pegasys®) Plus Ribavirin vs. No Prophylaxis

Following Liver Transplantation for He...". (1404-04)Co- Investigator

07/2004 - 05/2009

"Kidney Transplantation in Patients with

Positive Flow Crossmatch". (2368-04)Co- Investigator

11/2004 - 10/2007

"Randomized Trial of Thymoglobulin Induction,

Initial Tacrolimus and Mycophenolate Mofetil

Therapy with Steroid Avoidance in Primary

Kidney Transplant Recipients Followed by

Continued Tacrolimus/Mycophenolate Mofetil Therapy ...". (37-05)Co- Investigator

01/2005 - 10/2011

The Effect of Donor Hepatectomy on the

Pharmacokinetics of Fentanyl, Vecuronium and

Dexmedetomidine. (923-05) Co- Investigator

"Non-Invasive Evaluation of Pulmonary

Vascular Resistance in Patients with End

Stage Liver Disease". (1012-05)

Co- Investigator

05/2005 - 03/2007

"A Prospective, Open-Label, Multi-Center,

Randomized Trial of the Efficacy and Safety

of a Long Term Calcineurin Inhibitor Free

Maintenance Regimen with Mycophenolate

Mofetil and Sirolimus in Recipients of an

Orthotopic Liver Transplant". (1462-05) Co- Investigator

08/2005 - 04/2009

"A Phase IV, Randomized, Open-Label,

Comparative, Multicenter Study to Assess

the Safety and Efficacy of Induction Agents

Alemtuzumab (Campath 1H), Basiliximab

(Simulect) or Rabbit Anti-Thymocyte Globulin

(Thymoglobulin) In Combination...".

(1740-05)Co- Investigator

10/2005 - 08/2009

Steroid avoidance in kidney transplant

recipients with obesity.

(06-005278)Co- Investigator

09/2006 - 07/2009

A 24-Month, Multicenter, Randomized, Open-

Label Non-Inferiority Study of Efficacy and Safety

Comparing Concentration-Controlled

Certican in Two Doses (1.5 and 3.0 mg/day

starting doses) With Reduced Neoral vs.

1.44 g Myfortic With Standard Dose Neoral in de novo

Renal Transplant Recipients. Novartis. (06-003166)

Co- Investigator

09/2006 - 10/2007

A Phase IIIb, Randomized, Open-Label,

Comparative, Multi-Center Study to Assess the Safety and Efficacy

of Prograf vs. Modified Release Tacrolimus (MR)

With CellCept and Steroid Withdrawal in de novo

Liver Transplant Recipients. Astellas Pharma US, Inc. (06-003069)

Co- Investigator

11/2006 - 10/2007

The role of neo adjuvant and adjuvant chemo and radiation therapy in patients undergoing surgical

resection for pancreatic adenocarcinoma,

neuroendocrine malignancy, cholangiocarcinoma,

hepatic malignancy and other hepato-pancreato-biliary

cancers. (07-000990)

Co- Investigator

05/2007 - 05/2008

Transplantation Among Diabetic Patients

Receiving Simultaneous Pancreas And Kidney

Transplant And Non- Diabetic Patients Receiving

Kidney Trasnplantation. (07-003287)

Co- Investigator

Does Plavix increase the risk of complications after kidney transplantation?

(07-004833)

Co- Investigator

07-2207-06/2010

A Randomized, Double-Blind Study to Assess

the Efficacy and Safetyof Prophylactic Use of

Maribavir Versus Oral Ganciclovir for the Prevention

of Cytomegalovirus Disease in Recipients of Orthotopic

Liver Transplants.

ViroPharma Incorporated. (07-003467)Co- Investigator

09/2007 - 02/2010

Influence of Genetic Polymorphisms on Tacrolimus

Metabolism Among Native Americans.

Astellas Pharma US, Inc. (07-004306)

Co- Investigator

11/2007 - 08/2012

Pancreas transplantation using rapid steroid taper and protocol biopsies.

(07-008137) Co-Investigator

11/2007-10/2011

Evaluation of Belatacept as First-line

Immunosuppression in De Novo Liver

Transplant Recipients. Bristol-Myers Squibb. (07-006244)

Co- Investigator

02/2008 - 01/2010

Economic impact of recipient MELD score,

donor risk index, MELD exceptions on hospital

utilization. (08-000476) Co- Investigator

02/2008 - 01/2009

New Onset Diabetes Mellitus after Liver

Transplantation. (08-001324)Co- Investigator

2008 - 12/2011

Review of Glucose Metabolism and Post

Transplantation Outcomes Among Type 2 Diabetic

Patients Receiving Simultaneous

Pancreas and Kidney Transplant. (08-000156)

Co- Investigator

03/2008 - 12/2010

Genetic Alterations of Hepatocellular Carcinoma

Associated with Shorter Recurrence-Free and

Overall survival Following Orthotopic Liver

Transplantation. (08-001026)

Co- Investigator

05/2008 - 04/2010

The role of neo adjuvant and adjuvant chemo

and radiation therapy in patients undergoing

surgical resection for pancreatic adenocarcinoma,

neuroendocrine malignancy, cholangiocarcinoma,

hepatic malignancy and other hepato-pancreato-

biliary cancers. (08-003320) Co- Investigator

06/2008 - 05/2009

The Coronary Screening for Kidney

Transplantation (COST) Study: Feasibility Phase Study.

National Institutes of Health (NIH):

subcontract w U of Minnesota. (08-001949)

Co- Investigator

07/2008 - 05/2010

Hyperglycemia During the Immediate Post-

transplant Period After Solid Organ Transplantation.

(08-005602)

Co- Investigator

09/2008 - 06/2013

Intraductal Papillary Mucinous Neoplasm in Liver

Transplant Recipients. (08-006232)

Co- Investigator

09/2008 - 09/2009

A Phase 2, Open-Label, Multi-Center, Randomized

Trial To Demonstrate The Pharmacokinetics Of

LCP-Tacro™ Tablets Once Daily And Prograf®

Capsules Twice Daily In Adult De Novo Liver

Transplant Patients

(LCP-Tacro 2018).

LifeCycle Pharma. (08-007672)

Co- Investigator

01/2009 - 11/2010

Outcomes of Renal Transplant Recipients

Utilizing Expanded Criteria Donors. No

specific Mayo funds required.

Chart review only. (09-004620)

Co- Investigator

07/2009 - 05/2013

Wound Complications after Kidney Transplantation

No funding renecessary. (09-004819)

Co- Investigator

A Phase 2/3, Double-Blind, Placebo-Controlled,

Two-Part Study Part 1 Open-Label) to Assess the

Safety, Efficacy and Pharmacokinetics of Single

Intravenous Doses of ASP8597(Diannexin) in

de novo Kidney Transplant Recipients.

Astellas Pharma Global Development, Inc. (11-007615)

Co- Investigator

09/2012 - 01/2013

"Quality of Life Among Living and Deceased

Donor Liver Transplant Recipients". (2461-04)

Other Staff Study

11/2004 - 09/2009

A Phase III Randomized, Double-Blind Trial of

Chemoembolization with or without Sorafenib

in Unresectable Hepatocellular Carcinoma (HCC)

in Patients with or without Vascular Invasion.

NCI through cooperative groups grants. (10-004516)

Other Staff Study

**Invited Speaking Engagements, Presentations, Symposia & Workshops Not Affiliated with Yale: *International/National***

***International***

1. “An Unusual Cause of Failure of ESWL”

Society of University of Urologists Meeting

Toronto, Ontario, Canada ,1991

2. The Use of Anti-HCV Seropositive Organs in Liver Transplantation

David Mulligan, MD; Robert Goldstein, MD; Jeffrey Crippin, MD; Marwan Abouljoud, MD; Marlon Levy, MD; Bo Husberg, MD, PhD; Thomas Gonwa, MD; Goran Klintmalm, MD, PhD

XVth World Congress of the Transplantation Society

Kyoto, Japan,1994

3. Early Nutritional Support Via Enteral Route in Patients Undergoing Orthotopic Infection in Liver Transplantation (OLTX)

Cheryl Forde, RPh; Marlon Levy, MD; Linda Jennings, PhD; David Mulligan, MD; Marwan Abouljoud, MD; Robert Goldstein, MD; Bo Husberg, MD, PhD; Thomas Gonwa, MD; Goran Klintmalm, MD, PhD

XVth World Congress of the Transplantation Society,

Kyoto, Japan ,1994

4. Adenovirus Infection of the Human Intestinal Allograft

M Levy, MD; J Crippin, MD; D Mulligan, MD; S Holmberg, MD; R Goldstein, MD; B Husberg, MD, PhD; T Gonwa, MD; G Klintmalm, MD, PhD

the 4th International Symposium on Small Bowel Transplantation

5. Outcome of Anti-Hepatitis C Virus Seropositive Organs in Patients Following Liver Transplantation

David Mulligan, MD; Robert Goldstein, MD; Goran Klintmalm, MD; et al

7th Congress of the European Society for Organ Transplantation

Hoberg, Austria, 1995

6. Reduction of Early Rejection in Adult Liver Transplantation With ATG Induction Therapy

XVIth International Congress of the Transplantation Society

Barcelona, Spain, 1996

7. Intrathymic Spleen Cell Inoculation and ALS Fails to Induce Tolerance to Rat Pancreas Allografats

XVIth International Congress of the Transplantation Society

Barcelona, Spain,1996

8. Portal Vein Thrombendvenectomy at the Time of Liver Transplantation

Molmenti E; Roodhouse T; Jaiswal K; Jennings L; Casey D; Brooks B; Conkey A; Sanchez E; Mulligan D; Levy M; Goldstein R; Fasola C; Gonwa T;

Klintmalm G.

XVIII International Congress of Transplant Society

Rome, Italy, 2000

9. Transplant Options for Hepatic Malignancies (Transplantation Versus Resection)

Surgical Risk International Conference

San Antonio, Texas, 2000

10. The Use of Aprotinin in Orthotopic Liver Transplant Recipient Reduces the Operative

Abbas MA, Douglas DD, Frasco PE, Moss AA, Balan V, Rakela JL, Hentz JG, Mulligan DC

Southwestern Surgical Congress 53rd Annual Meeting

Cancun, Mexico,2001

11. Biliary Complications Associated with CMV Hepatitis in Orthotopic Liver

Transplant Recipients

Harris EA, Koyfman S, Harrison ME, Douglas DD, Rakela JL, Balan V, Yousfi M, Moss AA, Mulligan DC Southwestern Surgical Congress 53rd Annual Meeting, Cancun, Mexico ,2001

12. Novel Imaging Modalities for Liver Resection and Living Donor Liver Transplantation

International Symposium on Precision Liver Surgery

Beiijing, People’s Republic of China,2011

13. Universities of Cambridge and Yale

Transplant Education Meeting

Trinity Hall, Cambridge, England 2016

14. Living Donor is Better than Marginal

8th International Conference Living Donor Abdominal Organ Transplant

Triste, Italy ,2016

15. How to Improve Outcome of LDLT for HCC

International Symposium for Commemoration of 5000 LDLTS

Asian Medical Center & Grand Walkerhill

Seoul, Korea, 2018

16. Costs of Novel Technologies or Therapies

Transplant Education Meeting

University of Cambridge and Yale

Cambridge, UK, 2018

17. Bioengineering Techniques and Liver Transplantation

A-PHPBA 2019 7th Biennial Congress of the Asian-Pacific-Hepato-Pancreato-Biliary Association

COEX (Convention and Exhibition Center)

Seoul, South Korea, 2019

18. UNOS and Living Donation Present and Future of Donor Policies

10th International Conference: Living Donor Abdominal Organ Transplant

Gubbio, Italy ,2022

***National***

1. Amiodarone-Induced Thyrotoxicosis: Clinical Presentation and Expanded Indications for Thyroidectomy Fourteenth Annual Meeting of the American Association of Endocrine Surgeons

Williamsburg, Virginia 1993

2. Blood CMV PCR Detects CMV Infection Earlier Than Culture in Liver Transplant Recipients with CMV Disease: A Prospective Pilot Study

RK Sterling, FA Shiffrin, AB Post, PS Penmetsa, JA Schulak, CM Fasola, DC Mulligan, GH Jacobs, DGB Leonard, 1994

American Association for the Study of Liver Diseases

Chicago, Illinois, 1994

3. Transplantation For Hepatocellular Carcinoma: A Comparison of Outcomes Between Patients Treated With Neoadjuvant Chemotherapy Pre-OLTX and Those With Incidental Hepatomas

David Mulligan, MD; Robert Goldstein, MD; Goran Klintmalm, MD, PhD, et al

45th Annual Meeting of the American Association for the Study of Liver Diseases

Chicago, Illinois

4. The Fate of Liver Offers Declined by a Single Center: A Study of 543 Cases

David Mulligan, MD; Marlon Levy, MD; Goran Klintmalm, MD, PhD

45th Annual Meeting of the American Association for the Study of Liver Diseases

Chicago, Illinois, 1994

5. Can Anti-Hepatitis C Virus Seropositive Organs Safely Be Used in Liver Transplantation? David Mulligan, MD; Robert Goldstein, MD; Jeffrey Crippin, MD; Marwan Abouljoud, MD; Marlon Levy, MD; Bo Husberg, MD, PhD; Goran Klintmalm, MD, PhD

45th Annual Meeting of the American Association for the Study of Liver Diseases

Chicago, Illinois , 1994

6. Cyclosporine A-Based Immunosuppression in Liver Transplantation: Specific Patient Populations

David Mulligan, MD; Robert Goldstein, MD

Treatment Strategies in Liver Transplantation: Adjusting for Better Outcomes, American Association for the Study of Liver Diseases

Chicago, Illinois, 1994

7. Current Strategies of Immunosuppression in Solid Organ Transplantation

Upjohn National Symposium

Dallas, Texas, 1994

8. Should Liver Transplantation be Performed for Hepatitis B?

Mulligan DC, MD; Klintmalm G, MD, PhD

Fifth ASTS Postgraduate Course

Chicago, Illinois, 1994

9. Hyperlipidemia After Liver Transplantation: A Randomized Trial of FK-506 Versus Cyclosporine

A Marwan Abouljoud, MD; Marlon Levy, MD; David Mulligan, MD; Bo Husberg, MD, PhD; Gonwa Thomas, MD; Jeffrey Crippin, MD; Goran Klintmalm, MD, PhD

20th Annual American Society of Transplant Physicians meeting

Chicago, Illinois, 1994

10. The Use of Anti-HCV Seropositive Organs in Liver Transplantation

David Mulligan, MD; Robert Goldstein, MD; Jeffrey Crippin, MD; Marwan Abouljoud, MD; Marlon Levy, MD; Bo Husberg, MD, PhD; Thomas Gonwa, MD; Goran Klintmalm, MD, PhD

Transplant Fellows Workshop

New Orleans, Louisiana, 1994

11. Outcome of Anti-Hepatitis C Virus Seropositive Organs in Patients Following Liver Transplantation

David Mulligan, MD; Robert Goldstein, MD; Goran Klintmalm, MD; et al

21st Annual Scientific Meeting of the American Society of Transplant Surgeons

Chicago, Illinois, 1995

12. Hepatitis C Viral Infection in Liver Transplantation: Effect of Cyclosporine A vs.

FK506 David Mulligan, MD; Robert Goldstein, MD; Goran Klintmalm, MD,

PhD, et al American Society of Transplant Physicians, Scientific Sessions

Chicago, Illinois, 1995

13. Whole Blood Monitoring for FK506 Immunosuppression in Liver Transplantation:Imx vs. Enzyme Immunoassay

David Mulligan, MD: Robert Goldstein, MD: Goran Klintmalm, MD, PhD, et al

American Society of Transplant Physicians Scientific Sessions

Chicago, Illinois, 1995

14. Glutamate Dehydrogenase (GLDH) Fails as a Biochemical Marker for Acute Cellular Rejection in Liver Transplantation

GA Isenberg, RK Sterling, AB Post, GS Cooper, GH Jacobs, CM Fasola, DC Mulligan, JA Schulak , 1996

American Association for the Study of Liver Diseases

15. Endothelin Blockade Attenuates Hepatic Ischemia/Reperfusion Injury in the Rat

48th Annual Meeting of the American Association for the Study of Liver Diseases

Chicago, Illinois, 1997

16. A Prospective Longitudinal Analysis of ATGAM Induction vs. Mycophenolate Mofetil Maintenance Immunosuppression for Orthotopic Liver Transplantation

American Society of Transplant Surgeons 24th Annual Scientific Meeting, 1998

27. Delayed Graft Function: State of the Art

Panel presentation, consultant to Novartis

San Diego, California, 2000

28. The Effect of Orthotopic Liver Transplantation on the QTC Interval on Patients with End-Stage Liver Disease

Carey EJ, Douglas DD, Mulligan DC, Balan V, Harrison ME, Rakela JL American College of Gastroenterology

65th Annual Scientific meeting

New York, New York, 2000

29. Aprotinin Effects Blood Products Usage and Reoperative Rate for Bleeding Following Orthotopic Liver Transplantation

Abbas MA, Frasco PE, Rakela J, Harrison ME, Moss AA, Douglas DD, Balan V, Hentz J, Mulligan DC Transplant 2001 Annual Meeting

Chicago, Illinois, 2001

30. Biliary Complications Associated with Cytomegalovirus (CMV) Hepatitis in Orthotopic Liver Transplant (OLT) Recipients

Rodriguez-Davalos MI, Douglas DD, Huettl EA, Kasper DM, Harrison ME, Balan V, Moss AA, Yousfi M, Rakela JR, Mulligan DC

Transplant 2001 Annual Meeting

Chicago, Illinois, 2001

31. Living Donor and Split Liver Transplantation: How and Why?

2nd Annual Michigan Conference on Organ Donation- "New Frontiers in Organ Donation"

Dearborn, Michigan, 2005

32. Living Donor and Split Liver Transplantation: How & Why?

2nd Annual Michigan Conference on Organ Donation, New Frontiers in Organ Donation,

Dearborn, Michigan, 2005

33. Liver Advisory Board Meeting

Active discussion

Genzyme Corporation

Marina del Rey, California, 2005

34. Liver Transplantation

Grand Rounds

University of California Los Angeles

Los Angeles, California, 2005

35. To Preserve, or Not to Preserve the Middle Hepatic Vein: That Is the Question, Or Is It? Can We Better Define the Anatomy to Safely Divide the Liver for Successful Living Donor Liver Transplantation

Mulligan DC, Moss AA, Reddy KS, Esparra BC, Byrne T, Vargas H, Balan V, Douglas DD, Rakela J, Collins J.

American Transplant Congress Annual Meeting

Seattle, Washington, 2005

36. Leadership: Team Management and Organization

Panelist/speaker for pre-meeting symposium

American Transplant Congress Annual Meeting

Seattle, Washington, 2005

37. Solid Organ Transplantation for Donation After Cardiac Death Donors

Donor Network of Nevada, Organ Donation Collaborative

Las Vegas, Nevada, 2008

38. Surgical Complications in Liver Transplantation

AST CAQ Review Course for Hepatologists

Chicago, IL, 2008

36. Expanded Criteria Donors for Liver Transplantation

UNOS Region 6 Forum

Portland, Oregon, 2008

37. Donor Derived Infections

Optum Health – The 10th Annual Management of Transplantation and Complex Medical Conditions

San Diego, CA, 2009

38. Innovations in Living Donor Kidney Transplantation

Optum Health Care Solutions

18th Annual National Clinical Conference

Chicago, IL, 2009

39. Indications for Liver Transplantation fo Metastatic Neuroendocrine Tumors

North American Neuroendocrine Tumor Society Meeting

Santa Fe, NM, 2010

40. Medical and Surgical Issues in DCD Transplantation

American Transplant Congress

San Diego, CA, 2010

41. Liver Transplantation Issues

Plenary Presentation

ASTS Winter Symposium

Miami, FL, 2012

42. UNOS Regulatory Compliance: New Initiatives and Their Impact on the Transplant Community

Business Practice Seminar

ASTS Winter Symposium

Miami, FL, 2012

43. American Society of Transplantation Surgeons (ASTS)

ASTS 6th Annual Leadership Development Program

Chicago, IL, 2015

44. The Yale-Cambridge Course on Transplantation: A Clinical and Translational Symposium

New York, New York, 2015

45. An Update on Broader Sharing Livers in the U.S.: Redistricting and National Review Board

Mayo Clinic Priestley Society 52nd Annual Meeting

Washington, DC, 2016

46. Changes in UNOS Policy for Liver/Kidney Allocation

American Association for the Study of Liver Disease

Boston, MA, 2016

47. Combined Liver-Kidney Transplantation: Ways to Continue Improve Outcomes

American Transplant Congress

Chicago, IL, 2017

48. Integrating Telemedicine into Health Care Delivery for the Transplant Population

OPTUM Health Education

Chicago, IL, 2017

49. The Ecosystem of Transplantation

ASTS 8th ASTS Leadership Development Program

Northwestern University

Evanston, IL, 2018

50. Transplant Surgeon Perspective | Moderator

8th ASTS Leadership Development Program

Northwestern University Kellogg School

Chicago, IL, 2018

51. Collaboration Uterine Transplant

OPTUM Health Education

Dallas, TX, 2018

52. The Future is Now: Saving More Lives Through Transplantation | Moderator

ASTS 17th Annual State of the Art Symposium

Miami, FL, 2018

53. The Modern Transplant Surgeon: Striking the Right Balance

ASTS Winter Symposium

Miami, FL, 2019

54. The Case for Robotic Surgery

Yale Liver Cancer Symposium

Yale University- West Campus

New Haven, CT, 2019

55. Organ Supply

Uterus Transplant Symposium

Baylor University Medical Center

Dallas, TX, 2019

56. Liver Transplantation | Moderator

The Society for Surgery of the Alimentary Tract (SSAT) 60th Annual Meeting

San Diego, CA, 2019

57. OPTN/UNOS Leadership Update on Policies and Plans

UNOS Region 8

Kansas City, KS, 2019

58. Wellness Amidst the Chaos

Memorial Sloan Kettering Annual Trumbull Lectureship

New York, NY, 2019

59. OPTN/UNOS Leadership Update on Policies and Plans

UNOS Region 5

San Diego, CA, 2020

60. OPTN/UNOS Leadership Update on Policies and Plans

UNOS Region 10

Virtual due to COVID-19, 2020

61. OPTN/UNOS Leadership Update on Policies and Plans

UNOS Region 11

Virtual due to COVID-19, 2020

62. OPTN/UNOS Modifications in Policy for COVID-19

NY State Transplantation Council

Virtual due to COVID-19, 2020

63. COVID-19 and the Liver: Reentry and Return to the Pre-Pandemic State-

AASLD

Webinar, 2020

64. OPTN/UNOS Leadership Update on Policies and Plans

UNOS Region 3

Virtual due to COVID-19, 2020

65. OPTN/UNOS Leadership Update on Policies and Plans

UNOS Region 7

Virtual due to COVID-19, 2020

66. The Role of TIPS Prior to Non-Transplant Surgery

ALTA in ALTA Consensus Conference in the Use of TIPS for the Management of Portal Hypertension

Virtual due to COVID-19, 2020

67. Welcoming Remarks Presentation and UNOS Update

ASTS 21st Annual State of the Art Winter Symposium

Virtual, 2021

68. OPTN Update - General Session

UNOS Region 4

Virtual due to COVID-19, 2021

69. OPTN Update – Executive Committee / 2021-2024 OPTN Strategic Plan

UNOS Region 4

Virtual due to COVID-19, 2021

70. OPTN Update – Executive Committee / 2021-2024 OPTN Strategic Plan

UNOS Region 3

Virtual due to COVID-19, 2021

71. OPTN Update – Executive Committee / 2021-2024 OPTN Strategic Plan

UNOS Region 5

Virtual due to COVID-19, 2021

72. Governing Board Task Forces / COVID-19 Task Force

AASLD Governing Board

Virtual, 2021

73. OPTN Update – Executive Committee / 2021-2024 OPTN Strategic Plan

UNOS Region 1

Virtual due to COVID-19, 2021

74. Mission Driven5/2021 Journals Publication - Hepatology Communications Editor-in-Chief Search Committee

AASLD Governing Board

Virtual, 2022

75. Innovation to Deliver High – Quality Care to the Communities We Serve – Moderator

UNOS Transplant Management Forum

Phoenix, Arizona, 2022

76. American Surgical Association Annual Meeting

Chicago, IL, 2022

77. OPTN Board of Directors Meeting

UNOS

Richmond, VA, 2022

78. American Transplant Congress Annual Meeting

Boston, MA, 2022

79. Business Practice and Advocacy Session

OPTN/ UNOS Update

American Society of Transplant Surgeons Annual Meeting

Miami, FL, 2022

***Regional***

1. Ethical Issues in Transplantation

Arizona Osteopathic Medical Association 20th Fall Seminar

Tucson, Arizona, 2000

2. A Novel Antioxidant Enzyme and Its Role in Ischemia-Reperfusion Injury

Backhaus RA, Lille S, Mulligan DC

Southwest Regional BioPartnering Expo

Tempe, Arizona, 2001

3. Case Study: Living Donor vs Cadaveric OL Transplantation

Fujisawa Ronald W. Busuttil Transplant Fellows Symposium,

Fairmont Scottsdale Princess Scottsdale, Arizona, 2002

4. Personal Experiences in Medicine

National Youth Leadership Forum on Medicine

Phoenix, Arizona, 2005

5. Treatment Options for Cancers of the Liver

Cancer Registry Association of Arizona

Arizona, 2006

6. Living Donor Liver Transplantation in the Mayo System

Mayo Winter Gastroenterology Meeting: Gastroenterology Linked to

Endoscopy and Hepatology 2006

Scottsdale, Arizona, 2006

7. Care of Transplant Patients for the Hospitalist

Mayo Clinic Update in Hospital Medicine

Tucson, Arizona, 2007

8. Leadership in Medicine

National Youth Forum

Phoenix, Arizona, 2008

9. Liver Allocation/Distribution & National Liver Review Board

American Liver Foundation

Hamden, CT, 2015

10. Organ Transplant – Need for Donors

Facebook Interview

WTNH,2020

New Haven, CT

11. Metabolic DM/Obesity Mediated HCC – Moderator

Yale Primary Liver Cancer Summit

Virtual, 2020

12. The Importance of Wearing a Mask for the Sake of Immunocompromised Patients

WTNH Interview

Virtual, 2020

13. How Well do COVID Vaccines Protect After Organ Transplantation

WTNH Interview

Virtual, 2021

14. Living Donor Liver Transplant Virtual Workshop

Yale-New Haven Hospital

Center for Living Organ Donors

Virtual, 2021

15. Liver Transplant Activities at YNHH

American Liver Foundation Re-birthday Celebration

Virtual, 2021

**INVITED PRESENTATIONS AND VISITING PROFESSORSHIPS**

***Invited Presentations***

1. Surgical Complications in Liver Transplantation

AST CAQ Review Course for Hepatologists,

Chicago, Illinois, 2006

2. Outcome of Solid Organ Transplantation Using Various Preservation Solutions

Transplant Grand Rounds, Loma Linda University,

Loma Linda, California, 2007

3. Liver Surgery and Transplantation

Surgical Grand Rounds, Maricopa County Medical Center

Phoenix, Arizona, 2007

4. Liver Surgery and Transplantation

Midwestern Medical School,

Phoenix, Arizona, 2007

5. Surgical Complications in Liver Transplantation

AST CAQ Review Course for Hepatologists,

Chicago, Illinois, 2008

6. Organ Preservation Solutions - Mayo Clinic Arizona Experience

UNOS Region 6 Forum,

Portland, Oregon, 2008

7. Expanded Criteria Donors for Liver Transplantation

UNOS Region 6 Forum,

Portland, Oregon, 2008

8. Innovations in Living Donor Kidney Transplantation

Optum Health Care Solutions' 18th Annual National Clinical Conference

Chicago, Illinois, 2009

9. Town Hall on Health Care Reform

The Arizona Republic,

Phoenix, Arizona, 2009

10. Allocation Issues in Liver Transplantation in the US

Transplant Grand Rounds Mayo Clinic

Rochester, Minnesota, 2009

11. Donor Derived Infections

Optum Health's, The 10th Annual Management of Transplantation and Complex Medical Conditions,

San Diego, California, 2009

12. Living Donor Liver Transplantation: The Mayo Clinic Arizona Experience

Transplant Grand Rounds

Baylor University Medical Center,

Dallas, Texas, 2009

13. Indications for Liver Transplantation for Metastatic Neuroendocrine Tumors

North American Neuro Endocrine Tumor Society Meeting

Santa Fe, New Mexico, 2010

14. Medical and Surgical Issues in DCD Transplantation

American Transplant Congress

San Diego, California, 2010

15. Liver Re-Transplantation Issues

Plenary Presentation

ASTS Winter Symposium

Miami, Florida, 2012

16. UNOS Regulatory Compliance: New Initiatives and Their Impact on the Transplant Community

Business Practice Seminar

ASTS Winter Symposium

Miami, Florida, 2012

17. American Association for the Study of Liver Diseases (AASLD)

Vision: To Prevent and Cure Liver Disease

Washington, DC, 2013

18. American Society of Transplant Surgeons (ASTS)

ASTS State of the Art Winter Symposium: Meeting the Challenges of Innovation

Miami, Florida, 2014

19. 2014 Controversies in Transplantation

University of Colorado, Anschutz Medical Campus

Breckenridge, CO, 2014

20. Digestive Diseases Week 2014 (DDW2014)

American Association for the Study of Liver Disease

Washington, DC, 2014

21. Keynote: Highlight: 3D Printing and Organ Transplantation-Where Are We?

UMiami – Advances in Heptobiliary Diseases and Liver Transplantation 2020 Update XXIII

Virtual Conference, 2020

22. Welcome Presentation & UNOS Update

ASTS Winter Symposium

Digital Format, 2021

23. Simultaneous Liver Kidney Transplant: How Did We Do with the New Criteria? UNOS Perspective

AASLD – Liver Meeting

Webinar, 2021

24. Presidents Address

UNOS Transplant Management Forum

Virtual, 2021

25. Policy and Regulation: Research, UNOS/OPTN

FASEB Transplant Genomics: Ethics of Research and Clinical Applications

Virtual, 2021

26. Solid Organ Transplantation in the United States: System and Clinical Challenges and the Implications for Organ Recipient Functioning

National Academies of Sciences, Engineering, and Medicine

Virtual, 2021

27. How well COVID-19 Vaccines Protect after an Organ Transplant

VuMedi

Presented a short video over zoom, 2021

28. President’s Address

29th Annual UNOS Transplant Management Forum (TMF)

Virtual, 2021

29. Strategic Plan

UNOS Board Policy Group

Virtual, 2021

30. UNOS/OPTN Updates: Moving Through the Pandemic into the Future

University of Wisconsin, Division of Transplantation Grand Rounds

Virtual, 2021

31. Minimal Invasive Surgery in Living Donor Liver Transplantation (Moderator)

American Transplant Congress

Virtual, 2021

32. Updates in Transplantation and Allocation

Southern Surgeons Club Conference

Yale University, New Haven, 2022

**Visiting Professorships**

1. Regional Variation Under MELD Allocation in the U.S.

UCLA Medical Center, Surgical Grand Rounds

Los Angeles, California, 2005

2. Liver Transplantation

University of California

Los Angeles, California, 2005

3. Liver Surgery and Transplantation

Midwestern Medical School

Phoenix, Arizona, 2007

4. Living Donor Liver Transplantation at Mayo Clinic Arizona

California Pacific Medical Center Transplant Surgery Grand Rounds

San Francisco, California, 2007

5. Liver Surgery and Transplantation

Surgical Grand Rounds

Maricopa County Medical enter

Phoenix, Arizona, 2007

6. Outcomes of Solid Organ Transplantation Using Various Preservation

Solutions

Transplant Grand Rounds

Loma Linda University

Loma Linda, California, 2007

7. Surgical Techniques for Liver Resections and Transplantation

Surgical Grand Rounds Maricopa County Medical Center

Phoenix, Arizona, 2008

8. Living Donor Liver Transplantation: The Mayo Clinic Arizona

Experience

Transplant Grand Rounds

Baylor University Medical Center

Dallas, Texas, 2009

9. Resection Versus Living Donor Liver Transplantation for HCC

Meet the Professor Presentation

American Association of Liver Diseases Annual Congress

Boston, Massachusetts, 2009

10. Risk of Infection Transmission from Solid Organ Transplantation

Transplant Grand Rounds Mayo Clinic,

Rochester, Minnesota, 2009

11. Current Issues in Liver Allocation in the United States

Visiting Professor and Surgical Grand Rounds

Yale University School of Medicine,

New Haven, Connecticut, 2011

12. Novel Imaging in Liver Surgery and Living Donor Transplantation

Visiting Professor and Surgical Grand Rounds

Yale University School of Medicine,

New Haven, Connecticut, 2011

13. Novel Imaging Modalities for Liver Resection and Living Donor Liver Transplantation

International Symposium on Precision Liver Surgery

Beiijing, People’s Republic of China, 2011

14. Liver Imaging for Living Donor Liver Transplantation and Resection

Precision Liver Surgery Symposium

Beijing, People’s Republic of China, 2012

15. Liver Allocation

Aurora Health Care

Milwaukee, Wisconsin, 2015

16. Liver Allocation

Harvard Medical School

Massachusetts General Hospital

Boston, Massachusetts, 2015

17. Annual Lisa Short, PharmD and Tyler Short Lectureship

University of Louisville

Department of Surgery Grand Rounds

Louisville, Kentucky, 2015

18. Liver Allocation

Visiting Professor and Surgical Grand Rounds

St. Luke’s Medical Center

Milwaukee, Wisconsin, 2016

19. American Association for the Study of Liver Disease

Liver Transplantation in the High MELD Era: Perioperative Management of the Critically Ill Patient

Boston, Massachusetts, 2016

20. Yale University Live Update 2016

Liver Cancer: The Role of Liver Transplantation

New Haven, Connecticut, 2016

21. Living Donor is Better than Marginal

8th International Conference Living donor Abdominal Organ Transplant

Triste, Italy, 2016

22. Update on Liver Allocation and Distribution

Grand Rounds

University of Wisconsin-Madison

Madison, Wisconsin, 2017

23. St. Francis Hospital and Medical Center

Living donor Liver Transplantation – where are we now?

Grand Rounds

Hartford, Connecticut, 2017

24. University of Illinois at Chicago

Challenges in Implementing Liver Paired Exchange

Chicago, Illinois, 2018

25. University Hospital Cleveland Medical Center

Celebrate UH Transplant Institute’s – 50 Years of Innovation and Success

Cincinnati, Ohio, 2018

26. How to Improve Outcome of LDLT for HCC

International Symposium for Commemoration of 5000 LDLTS

Asian Medical Center & Grand Walkerhill

Seoul, Korea, 2018

27. May Clinic Arizona Transplant Center

Work Live Balance. How We Got Here and Built the Program

How We Achieve Work Life Balance

Phoenix, Arizona, 2019

28. Bioengineering Techniques and Liver Transplantation

A-PHPBA 2019 7th Biennial Congress of the Asian-Pacific-Hepato-Pancreato-Biliary Association

COEX (Convention and Exhibition Center)

Seoul, South Korea, 2019

**Professional Service**

1994 XVth World Congress of the Transplantation SocietyPoster Workshop on Liver Transplantation, Chair

1995- 1998 Ohio Solid Organ Transplantation Consortium

Liver Transplantation Selection Committee, MemberResearch Committee, MemberSmall Bowel Transplantation Selection Committee, MemberPhi Delta Epsilon Medical Fraternity, Member

1996- 1998 American Liver Foundation, Northern Ohio Chapter

Board of Directors, Member

1996- Present American Association for the Study of Liver Diseases

1996 - Present Program Education Committee, Member

1997-1998 Medical Advisory Committee, Chair1997- 1998 Membership Committee, Chair

1998-2001 Liver Transplantation and Surgery Committee, Member

2006-2009 Annual Meeting, Abstract Reviewer

2006-2009 Abstract Review Committee: Cell Transplantation, Member

2006-2009 Abstract Review: Immunology, Member

2006-2009 Abstract Review: Preservation, Ischemia/Reperfusion, Member

2009-Present Abstract Review Committee

Experimental Liver Transplantation

Cellular Immunology, Preservation and Cell Transplantation, Chair

2012-2015 Liver Transplantation and Surgery Special Interest Group, Chair; Membership and Committee Member

2018-Present Governing Board, Member-At-Large (2018-Present);

2019 Surgeon Representative to the Board of Governors

2020-Present Research Subcommittee-COVID-19 Task Force, Chair

2020-Present COVID-19 Task Force

2000-Present American College of Surgeons, Fellow, Oncology Group, Member

1997-Present American Society of Transplant Surgeons, Member

2003-2006Membership Committee, Chair

2006-2009 Standards on Organ Transplantation Committee, Chair

2010-2013 Councilor

2015-2017 Business Practice Services Committee, Co-Chair

2017-Present Business Practices Services Committee, Chair

2020 COVID-19 Task Force

1997- Present American Hepato-Pancreato-Biliary Associate**,** Member

1997-1998 Lifebanc**,** Associate Medical Director

1998-Present International Liver Transplantation Society, Member

1998-Present Society for Surgery of the Alimentary Tract, Member

1999-2013 Arizona Medical Association, Member

Arizona Save-A-Life Alliance Board of Directors Member

Case Western Reserve University

Department of Surgery

Resident Selection Committee Member

University Hospitals of Cleveland

Chemotherapy Credentialing Subcommittee Member

Ireland Cancer Center

Taskforce on Management of Hepatic Malignancies Chair

Medication Use and Assessment Improvement Subcommittee Member

Patient Care Operating Support System (PCOSS) Physician Steering Committee Member

1999-2002 Phoenix Surgical Society, Member

1999-Present European Society for Organ Transplantation, Member

2000 –2013 Donor Network of Arizona, Board of Directors**,** Member

1999 –2013 Medical Advisory Board Member

1999-Present United Network of Organ Sharing / Organ Procurement and Transplantation Network (UNOS/OPTN)

2019-2020 President Elect/Vice Chair

2020-2021 President

2021-2022 Immediate Past President

1999-Present United Network of Organ Sharing Organ Procurement and Transplantation Network (UNOS/OPTN)

1999-Present Voting Member

1999-2001 Region Review Board, Member

2001-2004 Region Review Board, Chair

2001-2004 Membership and Professional Standards Committee Region 5 Representative,

2001-2004 Region Review Board, Chair

2004-2005 Liver and Intestinal Organ Transplant Committee, Representative-At-Large

2004-2006 Membership and Professional Standards Committee, Member-At-Large

2004-2006 Region 5 Associate Counselor

2005-2009 Workgroup for Organ Acceptance, Chair

2006-2008 Board of Directors, Region 5, Representative

2006-2008 Region 5 Counselor

2009-Present Organ Procurement and Transplantation Network (OPTN)

2009-2011 Membership and Professional Standards Committee, Vice Chair

2009-Present Workgroup for Organ Acceptance, Composite Pre-Transplant Metric (CPM) Workgroup, Chair

2011-2013 Liver and Intestinal Organ Transplant Committee, Vice Chair

2011-2013 Policy and Oversight Committee, LIT Representative

2013-2015 Liver and Intestinal Organ Transplant Committee, Chair

2016-2019 Advisory Council on Transplantation to the Secretary of HHS, Chair

2015-2016 Liver and Intestinal Organ Transplant Committee, Immediate Past Chair

2019-Present Nominations Committee, Chair

2019 Business Practices Committee, Chair

2010-Present American Surgical Association Member

2021 The National Academies of Sciences, Engineering and Medicine,

External Reviewer

***Journals:***

2004-2009 Associate Editor, *Liver Transplantation*

2004-Present Editorial Board Member, *Liver Transplantation*

2004-Present Reviewer, *American Journal of Transplantation*

2005 Publishing Editor, *Current Opinion in Organ Transplantation*

Reviewer:

2020-2022 Reviewer, *JAMA*

2020-2022 Reviewer, *Nature*

2013-2021 Reviewer, *Hepatology*

2013-2021 Reviewer, *Transplantation*

2005 Reviewer, Section on Organ Preservation and Procurement: (Vol 10, No. 2, June 2005) *Current Opinion in Organ Transplantation*

2004-Present Reviewer, *American Journal of Transplantation*2004 - Present Reviewer, *Digestive Diseases and Sciences*2003 - Present Reviewer, *Journal of Gastrointestinal Surgery*

***University Committees***

2015 - Present Clinical Advisory Board (CAB), Member

2016 – Present Joint Leadership Committee (JLC), Member

2017 – Present Appointments and Promotions Committee, Member

2017 – Present Yale Medicine Executive Leadership Development Program

2018 – Present Academy of Communication in Healthcare Relationship Centered Communication

2020 – Present Joint Council and Operations Council (JCOC)

**BIBLIOGRAPHY:**

***Peer-reviewed Articles***

* + - 1. Levy MF, Goldstein RM, Husberg BS, Gonwa TA, Backman L, Abouljoud M, **Mulligan D**, Klintmalm GB. Baylor update: outcome analysis in liver transplantation. Clin Transpl. 1993; 161-73.
      2. **Mulligan DC**, McHenry CR, Kinney W, Esselstyn CB. Amiodarone-induced thyrotoxicosis: clinical presentation and expanded indications for thyroidectomy. Surgery. 1993 Dec; 114(6):1114-9. PMID:8256216.
      3. Holmberg S, Levy M, Goldstein R, Husberg B, **Mulligan DC**, Gonwa T, Brooks B, Jennings L, Klintmalm G. Lymphoma after liver transplantation - a single center clinical and epidemiological experience. Swedish Journal of Medicine. 1994.
      4. Abouljoud MS, Levy MF, Rees CR, Diamond NG, Lee SP, **Mulligan DC**, Goldstein RM, Husberg B, Gonwa TA, Klintmalm GB. A comparison of treatment with transjugular intrahepatic portosystemic shunt or distal splenorenal shunt in the management of variceal bleeding prior to liver transplantation. Transplantation. 1995 Jan 27; 59(2):226-9. PMID:7839445.
      5. **Mulligan DC**, Goldstein RM, Crippin JS, Abouljoud MS, Levy MF, Husberg BS, Gonwa TA, Foster BR, Tillery GW, Klintmalm GB. Use of anti-hepatitis C virus seropositive organs in liver transplantation. Transplant Proc. 1995 Feb; 27(1):1204-5. PMID:7878850.
      6. Levy MF, Jennings L, Abouljoud MS, **Mulligan DC**, Goldstein RM, Husberg BS, Gonwa TA, Klintmalm GB. Quality of life improvements at one, two, and five years after liver transplantation. Transplantation. 1995 Feb 27; 59(4):515-8. PMID:7878756.
      7. **Mulligan DC**, Klintmalm GB. Should liver transplantation be performed for hepatitis B? Clin Transplant. 1995 Jun; 9(3 Pt 2):246-8. PMID:7670170.
      8. **Mulligan D**, Gentry L, Dombrausky L, Klintmalm G, Nikaein A. Monitoring of allograft recipients for the development of HLA-specific antibodies: elimination of OKT3 as a complicating factor. Clin Transplant. 1995 Dec; 9(6):438-41. PMID:8645885.
      9. Schulak JA, **Mulligan DC**, Robinson A. Intrathymic spleen cell inoculation and ALS fails to induce tolerance to rat pancreas allografts. Transplant Proc. 1997 Feb-Mar; 29(1-2):1070-1. PMID:9123203.
      10. Schulak J, May E, Post A, Fasola C, **Mulligan D**, Sterling R. Reduction of early rejection in adult liver transplantation with ATG induction therapy. Transplant Proc. 1997 Feb-Mar; 29(1-2):555-6. PMID:9123126.
      11. Ghandour FZ, Knauss TC, **Mulligan DC**, Schulak JA, Hricik DE. Influence of steroid withdrawal on proteinuria in renal allograft recipients. Clin Transplant. 1997 Oct; 11(5 Pt 1):395-8. PMID:9361929.
      12. Harwell CM, Newman LN, Cacho CP, **Mulligan DC**, Schulak JA, Friedlander MA. Abdominal catastrophe: visceral injury as a cause of peritonitis in patients treated by peritoneal dialysis. Perit Dial Int. 1997 Nov-Dec; 17(6):586-94. PMID:9655159.
      13. Chitale AA, Sterling RK, Post AB, Silver BJ, **Mulligan DC**, Schulak JA. Resolution of spur cell anemia with liver transplantation: a case report and review of the literature. Transplantation. 1998 Apr 15; 65(7):993-5. PMID:9565106.
      14. Post AB, **Mulligan DC**, Bush W. Cost analysis of four strategies for prevention of CMV infection in liver transplant recipients. Transplant Proc. 1998 Aug; 30(5):2102-3. PMID:9723406.
      15. Molmenti EP, Roodhouse TW, Jaiswal K, Jennings LW, Sanchez EQ, Marubashi S, Jung G, Brooks BK, Conkey A, **Mulligan DC**, Levy MF, Goldstein RM, Klintmalm GB. Portal vein thrombendvenectomy in cases of organized portal vein thrombosis at the time of liver transplantation. Transplantation. 2000 Apr; 69(8):Suppl S, 242.
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      17. Lille ST, Lefler SR, Mowlavi A, Suchy H, Boyle EMJr, Farr AL, Su CY, Frank N, **Mulligan DC**. Inhibition of the initial wave of NF-kappaB activity in rat muscle reduces ischemia/reperfusion injury. Muscle & Nerve. 2001 Apr; 24(4):534-41. PMID:11268026.
      18. **Mulligan DC**. Resection vs. Transplantation for Hepatocellular Carcinoma. Audio-Digest Gastroenterology. 2001 Jul; 15(7).
      19. Abbas MA, Collins JM, **Mulligan DC**. Renal cell carcinoma metastatic to pancreas. Am J Surg. 2001 Aug; 182(2):183-4. PMID:11574093.
      20. Molmenti EP, Roodhouse TW, Molmenti H, Jaiswal K, Jung G, Marubashi S, Sanchez EQ, Gogel B, Levy MF, Goldstein RM, Fasola CG, Elliott EE, Bursac N, **Mulligan D**, Gonwa TA, Klintmalm GB. Thrombendvenectomy for organized portal vein thrombosis at the time of liver transplantation. Ann Surg. 2002 Feb;235(2):292-6. PMID:11807371. PMCID:1422428.
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      26. St Peter SD, Moss AA, **Mulligan DC**. Effects of tacrolimus on ischemia-reperfusion injury. Liver Transpl. 2003 Feb; 9(2):105-16. PMID:12548502.
      27. St Peter SD, Post DJ, Rodriguez-Davalos MI, Douglas DD, Moss AA, **Mulligan DC**. Tacrolimus as a liver flush solution to ameliorate the effects of ischemia/reperfusion injury following liver transplantation. Liver Transpl. 2003 Feb; 9(2):144-9. PMID:12548508.
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      29. Blair JE, Douglas DD, **Mulligan DC**. Early results of targeted prophylaxis for coccidioidomycosis in patients undergoing orthotopic liver transplantation within an endemic area. Transpl Infect Dis. 2003 Mar; 5(1):3-8. PMID:12791068.
      30. St Peter SD, Moss AA, Huettl EA, Leslie KO, **Mulligan DC**. Chemoembolization followed by orthotopic liver transplant for epithelioid hemangioendothelioma. Clin Transplant. 2003 Dec; 17(6):549-53. PMID:14756273.
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      39. Rodriguez-Luna H, Balan V, Sharma P, Byrne T, **Mulligan D**, Rakela J, Vargas HE. Hepatitis C virus infection with hepatocellular carcinoma: Not a controversial indication for liver transplantation. Transplantation. 2004 Aug 27; 78(4):580-3. PMID:15446318.
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      45. Rodriguez-Luna H, Vargas HE, Moss A, Reddy KS, Freeman RB, **Mulligan D**. Regional variations in peer reviewed liver allocation under the MELD system. Am J Transplant. 2005 Sep; 5(9):2244-7. PMID:16095504.
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      48. Heilman RL, Reddy KS, Mazur MJ, Moss AA, Post DJ, Petrides S, **Mulligan DC**. Acute rejection risk in kidney transplant recipients on steroid-avoidance immunosuppression receiving induction with either antithymocyte globulin or basiliximab. Transplant Proc. 2006 Jun; 38(5):1307-13. PMID:16797289. DOI:10.1016/j.transproceed.2006.02.116.
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      65. Heilman RL, Chakkera H, Mazur M, Petrides S, Moss A, Mekeel K, **Mulligan D**, Reddy KS. Outcomes of simultaneous kidney-pancreas transplantation with positive cross-match. Transplant Proc. 2009 Jan-Feb; 41(1):303-6. PMID:19249540. DOI:10.1016/j.transproceed.2008.08.154.
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