CTC COURSE APPENDIX

Recommended Learning Tracks

Table of Contents

- Abdominal Transplant Surgery ............................................... 2
- Adult Cardiac ........................................................................ 3
- Adult Kidney .......................................................................... 4
- Adult Liver ............................................................................ 5
- Adult Pulmonary ..................................................................... 6
- Cardiothoracic Transplant Surgery ........................................ 7
- Pediatric Cardiac ................................................................... 8
- Pediatric Kidney ..................................................................... 9
- Pediatric Liver ....................................................................... 10
- Pediatric Pulmonary .............................................................. 11
- Transplant ID ......................................................................... 12
- Transplant Pharm D ............................................................... 13
- Complete Course List ............................................................ 14
Abdominal Transplant Surgery - CTC Learning Track *(Total = 32)*

**All Organs & Ages 1-5**
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

**Liver 1-7**
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

**Renal 1-5**
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

**Cardiac 0**
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

**Lung 0**
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

**Peds 1-3**
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

**Basic Immunology 1-2**
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

**Transplant Pharm 1-3**
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

**Transplant ID 1-4**
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

**Misc (Other) 1-3**
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Adult Cardiac - CTC Learning Track (Total = 27)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 2
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 1
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 1-3
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

Lung 1
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 0
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-4
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Adult Kidney - CTC Learning Track *(Total = 29)*

**All Organs & Ages 1-5**
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

**Liver 1-4**
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

**Renal 1-5**
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

**Cardiac 0**
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

**Lung 0**
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/ Donor Lung Selection
6. Late Complications of Lung Transplantation

**Peds 1-3**
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

**Basic Immunology 1-2**
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

**Transplant Pharm 1-3**
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

**Transplant ID 1-4**
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

**Misc (Other) 1-3**
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women’s Health Issues
Adult Liver - CTC Learning Track *(Total = 31)*

**All Organs & Ages 1-5**
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

**Liver 1-7**
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

**Renal 1-2, 5**
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

**Cardiac 0**
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

**Lung 0**
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/ Donor Lung Selection
6. Late Complications of Lung Transplantation

**Peds 1-3**
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

**Basic Immunology 1-2**
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

**Transplant Pharm 1-3**
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

**Transplant ID 1-4**
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

**Misc (Other) 1-3**
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Adult Pulmonary - CTC Learning Track (Total = 24)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 0
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 0
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 2
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes

Lung 1-6
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 0
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-4
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Cardiothoracic Transplant Surgery - CTC Learning Track (Total = 29)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 0
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 0
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 1-3
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

Lung 1-6
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 1-3
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-4
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Pediatric Cardiac - CTC Learning Track (Total = 26)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 2
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 1
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 1-3
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

Lung 1
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/ Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 1-3
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-4
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Pediatric Kidney - CTC Learning Track (Total = 24)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 0
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 1-5
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 0
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

Lung 0
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 1-3
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-3
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Pediatric Liver - CTC Learning Track *(Total = 27)*

**All Organs & Ages 1-5**
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

**Liver 1-7**
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

**Renal 0**
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

**Cardiac 0**
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

**Lung 0**
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

**Peds 1-3**
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

**Basic Immunology 1-2**
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

**Transplant Pharm 1-3**
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

**Transplant ID 1-4**
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

**Misc (Other) 1-3**
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Pediatric Pulmonary - CTC Learning Track *(Total = 27)*

**All Organs & Ages 1-5**
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

**Liver 0**
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

**Renal 0**
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

**Cardiac 0**
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

**Lung 1-6**
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

**Peds 1-3**
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

**Basic Immunology 1-2**
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

**Transplant Pharm 1-3**
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

**Transplant ID 1-4**
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

**Misc (Other) 1-3**
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Transplant ID - CTC Learning Track (Total = 31)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 1-5
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 1, 4
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 1
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

Lung 2, 4-5
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 1-3
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-4
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
Transplant Pharm D - CTC Learning Track (Total = 27)

All Organs & Ages 1-5
1. Overview of Transplant Immunology
2. Induction and Maintenance Immunosuppression
3. Overview of Transplant Pathology
4. Approach to Fever and Infections in Transplant Recipients

Liver 3-6
1. Managing Patients on the Liver Transplant Wait List
2. Evaluation of Recipient Candidacy for Liver Transplantation
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management
4. Induction and Maintenance Immunosuppression in Liver Transplantation
5. Early Complications following Liver Transplantation
6. Long Term Care of the Liver Transplant Recipient
7. Liver Graft Pathology

Renal 3-4
1. Evaluation of Recipient Candidacy for Renal Transplantation
2. Kidney Allocation/Organ Quality
3. Induction and Maintenance Immunosuppression in Renal Transplantation
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes
5. Renal Graft Pathology

Cardiac 2-3
1. Evaluation of Recipient Candidacy for Cardiac Transplantation
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes
3. Immunosuppression and Complications of Cardiac Transplantation

Lung 3-4
1. Pulmonary Hypertension
2. Evaluation of Recipient Candidacy for Lung Transplantation
3. Overview of Lung Rejection: Diagnosis, Management and Outcomes
4. Immunosuppression and Complications of Lung Transplantation
5. Donor Lung Allocation/Donor Lung Selection
6. Late Complications of Lung Transplantation

Peds 1-3
1. Adherence and Transition from Adolescence
2. Pediatric Graft Allocation/Organ Quality
3. Immunosuppression and Medications in Children

Basic Immunology 1-2
1. Clinical Assays of Immune Function and Transplantomics
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation

Transplant Pharm 1-3
2. "Immunosuppression pharmacokinetics & therapeutic drug monitoring: Part 2 - Maintenance Immunosuppression"
3. Drug Interactions and Safety

Transplant ID 1-4
1. Infectious Disease: Pre- and Early Post-operative Issues
2. CMV after Solid Organ Transplantation
3. Bacterial and Parasitic Infections after Solid Organ Transplantation
4. Post-Transplant Lymphoproliferative Disease

Misc (Other) 1-3
1. Psychosocial Aspects of Organ Transplantation and Living Donation
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting
3. Women's Health Issues
<table>
<thead>
<tr>
<th>CTC Topic Area</th>
<th>Topic #</th>
<th>CTC Topic</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALL ORGANS &amp; AGES</td>
<td>1</td>
<td>Overview of Transplant Immunology</td>
</tr>
<tr>
<td>ALL ORGANS &amp; AGES</td>
<td>2</td>
<td>Induction and Maintenance Immunosuppression</td>
</tr>
<tr>
<td>ALL ORGANS &amp; AGES</td>
<td>3</td>
<td>Overview of Transplant Pathology</td>
</tr>
<tr>
<td>ALL ORGANS &amp; AGES</td>
<td>4</td>
<td>Approach to Fever and Infections in Transplant Recipients</td>
</tr>
<tr>
<td>ALL ORGANS &amp; AGES</td>
<td>5</td>
<td>Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc.</td>
</tr>
<tr>
<td>LIVER</td>
<td>1</td>
<td>Managing Patients on the Liver Transplant Wait List</td>
</tr>
<tr>
<td>LIVER</td>
<td>2</td>
<td>Evaluation of Recipient Candidacy for Liver Transplantation</td>
</tr>
<tr>
<td>LIVER</td>
<td>3</td>
<td>Viral Hepatitis: Pre- and Post-Liver Transplant Management</td>
</tr>
<tr>
<td>LIVER</td>
<td>4</td>
<td>Induction and Maintenance Immunosuppression in Liver Transplantation</td>
</tr>
<tr>
<td>LIVER</td>
<td>5</td>
<td>Early Complications following Liver Transplantation</td>
</tr>
<tr>
<td>LIVER</td>
<td>6</td>
<td>Long Term Care of the Liver Transplant Recipient</td>
</tr>
<tr>
<td>LIVER</td>
<td>7</td>
<td>Liver Graft Pathology</td>
</tr>
<tr>
<td>CARDIO</td>
<td>1</td>
<td>Evaluation of Recipient Candidacy for Cardiac Transplantation</td>
</tr>
<tr>
<td>CARDIO</td>
<td>2</td>
<td>Overview of Cardiac Rejection: Diagnosis, Management and Outcomes</td>
</tr>
<tr>
<td>CARDIO</td>
<td>3</td>
<td>Immunosuppression and Complications of Cardiac Transplantation</td>
</tr>
<tr>
<td>PULM</td>
<td>1</td>
<td>Pulmonary Hypertension</td>
</tr>
<tr>
<td>PULM</td>
<td>2</td>
<td>Evaluation of Recipient Candidacy for Lung Transplantation</td>
</tr>
<tr>
<td>PULM</td>
<td>3</td>
<td>Overview of Lung Rejection: Diagnosis, Management and Outcomes</td>
</tr>
<tr>
<td>PULM</td>
<td>4</td>
<td>Immunosuppression and Complications of Lung Transplantation</td>
</tr>
<tr>
<td>PULM</td>
<td>5</td>
<td>Donor Lung Allocation/ Donor Lung Selection</td>
</tr>
<tr>
<td>PULM</td>
<td>6</td>
<td>Late Complications of Lung Transplantation</td>
</tr>
<tr>
<td>PEDS</td>
<td>1</td>
<td>Adherence and Transition from Adolescence</td>
</tr>
<tr>
<td>PEDS</td>
<td>2</td>
<td>Pediatric Graft Allocation/Organ Quality</td>
</tr>
<tr>
<td>PEDS</td>
<td>3</td>
<td>Immunosuppression and Medications in Children</td>
</tr>
<tr>
<td>RENAL</td>
<td>1</td>
<td>Evaluation of Recipient Candidacy for Renal Transplantation</td>
</tr>
<tr>
<td>RENAL</td>
<td>2</td>
<td>Kidney Allocation/Organ Quality</td>
</tr>
<tr>
<td>RENAL</td>
<td>3</td>
<td>Induction and Maintenance Immunosuppression in Renal Transplantation</td>
</tr>
<tr>
<td>RENAL</td>
<td>4</td>
<td>Overview of Rejection: Diagnosis, Pathology, Management and Outcomes</td>
</tr>
<tr>
<td>RENAL</td>
<td>5</td>
<td>Renal Graft Pathology</td>
</tr>
<tr>
<td>BASIC</td>
<td>1</td>
<td>Clinical Assays of Immune Function and Transplantomics</td>
</tr>
<tr>
<td>BASIC</td>
<td>2</td>
<td>Histocompatibility Techniques and Risk Assessment Before and After Transplantation</td>
</tr>
<tr>
<td>PHARM</td>
<td>1</td>
<td>Immunosuppression pharmacokinetics &amp; therapeutic drug monitoring</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Part 1 - Induction/Rejection Therapy</td>
</tr>
<tr>
<td>PHARM</td>
<td>2</td>
<td>Immunosuppression pharmacokinetics &amp; therapeutic drug monitoring</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Part 2 - Maintenance Immunosuppression</td>
</tr>
<tr>
<td>PHARM</td>
<td>3</td>
<td>Drug Interactions and Safety</td>
</tr>
<tr>
<td>TID</td>
<td>1</td>
<td>Infectious Disease: Pre- and Early Post-operative Issues</td>
</tr>
<tr>
<td>TID</td>
<td>2</td>
<td>CMV after Solid Organ Transplantation</td>
</tr>
<tr>
<td>TID</td>
<td>3</td>
<td>Bacterial and Parasitic Infections after Solid Organ Transplantation</td>
</tr>
<tr>
<td>TID</td>
<td>4</td>
<td>Post-Transplant Lymphoproliferative Disease</td>
</tr>
<tr>
<td>OTHER</td>
<td>1</td>
<td>Psychosocial Aspects of Organ Transplantation and Living Donation</td>
</tr>
<tr>
<td>OTHER</td>
<td>2</td>
<td>Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting</td>
</tr>
<tr>
<td>OTHER</td>
<td>3</td>
<td>Women’s Health Issues</td>
</tr>
</tbody>
</table>