



# CTC COURSE APPENDIX

*Recommended Learning Tracks*

## Table of Contents

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• 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

### All Organs & Ages 1-6

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver 1-7

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

### Renal 1-5

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

### Cardiac 0 (Skip Videos 1-3)

### Lung 0 (Skip Videos 1-6)

### Peds 1-3

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology 1-2

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm 1-3

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### Transplant ID 1-4

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### Misc (Other) 1-3

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## **Adult Cardiac - CTC Learning Track**

### **All Organs & Ages 1-6**

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### **Liver 2 (Skip Videos 1 and 3-7)**

2. Evaluation of Recipient Candidacy for Liver Transplantation ([Link](#))

### **Renal 1 (Skip Videos 2-5)**

1. Evaluation of Recipient Candidacy for Renal Transplantation ([Link](#))

### **Cardiac 1-3**

1. Evaluation of Recipient Candidacy for Cardiac Transplantation ([Link](#))
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes ([Link](#))
3. Immunosuppression and Complications of Cardiac Transplantation ([Link](#))

### **Lung 1 (Skip Videos 2-6)**

1. Pulmonary Hypertension ([Link](#))

### **Peds 0 (Skip Videos 1-3)**

### **Basic Immunology 1-2**

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### **Transplant Pharm 1-3**

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### **Transplant ID 1-4**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### **Misc (Other) 1-3**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## Adult Kidney - CTC Learning Track

### All Organs & Ages 1-6

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver 1-4 (Skip Videos 5-7)

1. Managing Patients on the Liver Transplant Wait List ([Link](#))
2. Evaluation of Recipient Candidacy for Liver Transplantation ([Link](#))
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management ([Link](#))
4. Induction and Maintenance Immunosuppression in Liver Transplantation ([Link](#))

### Renal 1-5

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

### Cardiac 0 (Skip Videos 1-3)

### Lung 0 (Skip Videos 1-6)

### Peds 1-3

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology 1-2

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm 1-3

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### Transplant ID 1-4

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### Misc (Other) 1-3

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## Adult Liver - CTC Learning Track

### All Organs & Ages 1-6

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver 1-7

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

### Renal 1-2, 5 (Skip Videos 3-4)

1. Evaluation of Recipient Candidacy for Renal Transplantation ([Link](#))
2. Kidney Allocation/Organ Quality ([Link](#))
5. Renal Graft Pathology ([Link](#))

### Cardiac 0 (Skip Videos 1-3)

### Lung 0 (Skip Videos 1-6)

### Peds 1-3

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology 1-2

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm 1-3

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### Transplant ID 1-4

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### Misc (Other) 1-3

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## **Adult Pulmonary - CTC Learning Track**

### **All Organs & Ages 1-6**

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### **Liver 0 (Skip Videos 1-7)**

### **Renal 0 (Skip Videos 1-5)**

### **Cardiac 2 (Skip Videos 1 & 3)**

2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes ([Link](#))

### **Lung 1-6**

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

### **Peds 0 (Skip Videos 1-3)**

### **Basic Immunology 1-2**

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### **Transplant Pharm 1-3**

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### **Transplant ID 1-4**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### **Misc (Other) 1-3**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## Cardiothoracic Transplant Surgery - CTC Learning Track

### All Organs & Ages 1-6

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver 0 (Skip Videos 1-7)

### Renal 0 (Skip Videos 1-5)

### Cardiac 1-3

1. Evaluation of Recipient Candidacy for Cardiac Transplantation ([Link](#))
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes ([Link](#))
3. Immunosuppression and Complications of Cardiac Transplantation ([Link](#))

### Lung 1-6

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

### Peds 1-3

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology 1-2

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm 1-3

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### Transplant ID 1-4

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### Misc (Other) 1-3

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## **Pediatric Cardiac - CTC Learning Track**

### **All Organs & Ages 1-6**

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### **Liver 2 (Skip Videos 1 and 3-7)**

2. Evaluation of Recipient Candidacy for Liver Transplantation ([Link](#))

### **Renal 1 (Skip Videos 2-5)**

1. Evaluation of Recipient Candidacy for Renal Transplantation ([Link](#))

### **Cardiac 1-3**

1. Evaluation of Recipient Candidacy for Cardiac Transplantation ([Link](#))
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes ([Link](#))
3. Immunosuppression and Complications of Cardiac Transplantation ([Link](#))

### **Lung 1 (Skip Videos 2-6)**

1. Pulmonary Hypertension ([Link](#))

### **Peds 1-3**

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### **Basic Immunology 1-2**

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### **Transplant Pharm 1-3**

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### **Transplant ID 1-4**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### **Misc (Other) 1-3**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))



## **Pediatric Kidney - CTC Learning Track**

### **All Organs & Ages 1-6**

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### **Liver 0 (Skip Videos 1-7)**

#### **Renal 1-5**

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

### **Cardiac 0 (Skip Videos 1-3)**

### **Lung 0 (Skip Videos 1-6)**

#### **Peds 1-3**

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

#### **Basic Immunology 1-2**

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

#### **Transplant Pharm 1-3**

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

#### **Transplant ID 1-3 (Skip Video 4)**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))

#### **Misc (Other) 1-3**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## **Pediatric Liver - CTC Learning Track**

### **All Organs & Ages 1-6**

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### **Liver 1-7**

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

### **Renal 0 (Skip Videos 1-5)**

### **Cardiac 0 (Skip Videos 1-3)**

### **Lung 0 (Skip Videos 1-6)**

### **Peds 1-3**

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### **Basic Immunology 1-2**

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### **Transplant Pharm 1-3**

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### **Transplant ID 1-4**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### **Misc (Other) 1-3**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## **Pediatric Pulmonary - CTC Learning Track**

### **All Organs & Ages 1-6**

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### **Liver 0 (Skip Videos 1-7)**

### **Renal 0 (Skip Videos 1-5)**

### **Cardiac 0 (Skip Videos 1-3)**

### **Lung 1-6**

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

### **Peds 1-3**

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### **Basic Immunology 1-2**

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### **Transplant Pharm 1-3**

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### **Transplant ID 1-4**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### **Misc (Other) 1-3**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## Transplant ID - CTC Learning Track

### All Organs & Ages 1-6

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver 1-5 (Skip Videos 6-7)

1. Managing Patients on the Liver Transplant Wait List ([Link](#))
2. Evaluation of Recipient Candidacy for Liver Transplantation ([Link](#))
3. Viral Hepatitis: Pre- and Post-Liver Transplant Management ([Link](#))
4. Induction and Maintenance Immunosuppression in Liver Transplantation ([Link](#))
5. Early Complications following Liver Transplantation ([Link](#))

### Renal 1, 4 (Skip Videos 2-3 and 5)

1. Evaluation of Recipient Candidacy for Renal Transplantation ([Link](#))
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes ([Link](#))

### Cardiac 1 (Skip Videos 2-3)

1. Evaluation of Recipient Candidacy for Cardiac Transplantation ([Link](#))

### Lung 2, 4-5 (Skip Videos 1, 3, and 6)

2. Evaluation of Recipient Candidacy for Lung Transplantation ([Link](#))
4. Immunosuppression and Complications of Lung Transplantation ([Link](#))
5. Donor Lung Allocation/ Donor Lung Selection ([Link](#))

### Peds 1-3

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology 1-2

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm 1-3

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### Transplant ID 1-4

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### Misc (Other) 1-3

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## Transplant Pharm D - CTC Learning Track

### All Organs & Ages 1-6

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver 3-6 (Skip Videos 1-2 and 7)

3. Viral Hepatitis: Pre- and Post-Liver Transplant Management ([Link](#))
4. Induction and Maintenance Immunosuppression in Liver Transplantation ([Link](#))
5. Early Complications following Liver Transplantation ([Link](#))
6. Long Term Care of the Liver Transplant Recipient ([Link](#))

### Renal 3-4 (Skip Videos 1-2 and 5)

3. Induction and Maintenance Immunosuppression in Renal Transplantation ([Link](#))
4. Overview of Rejection: Diagnosis, Pathology, Management and Outcomes ([Link](#))

### Cardiac 2-3 (Skip Video 1)

2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes ([Link](#))
3. Immunosuppression and Complications of Cardiac Transplantation ([Link](#))

### Lung 3-4 (Skip Videos 1-2 and 5-6)

3. Overview of Lung Rejection: Diagnosis, Management and Outcomes ([Link](#))
4. Immunosuppression and Complications of Lung Transplantation ([Link](#))

### Peds 1-3

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology 1-2

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm 1-3

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

### Transplant ID 1-4

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

### Misc (Other) 1-3

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

## Complete CTC Course List ([Link to Course](#))

(You must be logged into your account to view the course videos.)

### All Organs & Ages

1. Overview of Transplant Immunology ([Link](#))
2. Induction and Maintenance Immunosuppression ([Link](#))
3. Overview of Transplant Pathology ([Link](#))
4. Approach to Fever and Infections in Transplant Recipients ([Link](#))
5. Non-Graft Complications in Solid Organ Transplantation: Metabolic, Malignancies, Etc. ([Link](#))
6. OPTN: Legal and Regulatory Framework & How OPTN Policy Development Works ([Link](#))

### Liver

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

### Renal

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

### Cardiac

1. Evaluation of Recipient Candidacy for Cardiac Transplantation ([Link](#))
2. Overview of Cardiac Rejection: Diagnosis, Management and Outcomes ([Link](#))
3. Immunosuppression and Complications of Cardiac Transplantation ([Link](#))

### Lung

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

### Peds

1. Adherence and Transition from Adolescence ([Link](#))
2. Pediatric Graft Allocation/Organ Quality ([Link](#))
3. Immunosuppression and Medications in Children ([Link](#))

### Basic Immunology

1. Clinical Assays of Immune Function and Transplantomics ([Link](#))
2. Histocompatibility Techniques and Risk Assessment Before and After Transplantation ([Link](#))

### Transplant Pharm

1. Induction/Rejection Therapy ([Link](#))
2. Maintenance Immunosuppression ([Link](#))
3. Drug Interactions and Safety ([Link](#))

**Transplant ID**

1. Infectious Disease: Pre- and Early Post-operative Issues ([Link](#))
2. CMV after Solid Organ Transplantation ([Link](#))
3. Bacterial and Parasitic Infections after Solid Organ Transplantation ([Link](#))
4. Post-Transplant Lymphoproliferative Disease ([Link](#))

**Misc (Other)**

1. Psychosocial Aspects of Organ Transplantation and Living Donation ([Link](#))
2. Regulatory Issues in Transplantation: CMS, UNOS, SRTR, outcome reporting ([Link](#))
3. Women's Health Issues ([Link](#))

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**About AST's Comprehensive Trainee Curriculum (CTC):**

Solid organ transplantation is a multidisciplinary field, leading to a diverse community of professionals within the AST. As a result, it is often necessary for trainees to have extensive knowledge of all areas of transplantation—not just their specialty.

While clinical training in transplantation exposes trainees to various specialties, additional educational curriculum that encompasses all areas is highly beneficial.

Comprehensive Trainee Curriculum (CTC) is a great way to expand your transplant knowledge. This feature is an online educational platform that features dozens of webinars on various concentrations of transplantation.

**Direct Link to CTC:** <https://ast.digitellinc.com/ast/courses>

**More information on CTC:** <https://www.myast.org/education/comprehensive-trainee-curriculum-ctc>