Contents

Contributors	ix
Preface	xi
Section I: Introduction to Organ Donation	
1. Organ Donation East versus West Pathik Parikh, Vikram Raut, Darius Mirza	3
2. Concept of Brain Death Rahul Pandit	9
3. Role of the Transplant Coordinator Santosh Sarote	16
Section II: Kidney	
1. Anatomy, Physiology of Kidney and Diseases Bhushan Patil	19
2. Prevention of Kidney Disease Tukaram Jamale	22
3. Pre-transplant Medical Work up of Kidney Recipient NK Hase	24
4. Post-renal Transplant Medications and Precautions MM Bahadur	27
5. Swap Renal Transplantation in Mumbai Ganesh Sanap, Deepa Usulumarty, Viswanath Billa	29
Section III: Liver, Pancreas and Bowel	
1. Anatomy, Physiology of Liver and Multi-organ Retrieval Fysal Kollanta Valappil	37
2. Prevention of Liver Disease Gaurav Mehta	40
3. Types of Liver Transplantation Vikram Raut, Pathik Parikh, Darius Mirza	43

xvi	Handbook of Organ Transplantation	
4.	Pre-transplant Medical Evaluation of Liver Transplant Recipient Ankur Shah	48
5.	Post-liver Transplant Medication and Precaution Jayshri Shah	51
6.	Anatomy and Physiology of the Bowel Vinay Kumaran	55
7.	Treatment and Transplant of Intestine Hunaid Hatimi, Somnath Chattopadhyay, Ravi Mohanka	58
8.	Treatment and Transplant of Pancreas Arun Kumarraj, Somnath Chattopadhyay, Ravi Mohanka	61

Section IV: Heart and Lungs		
1. Anatomy and Physiology of Heart and Lungs Balaji Aironi	65	
2. Prevention of Heart Disease Bharat Shivdasani, Saurabh Dhariay	69	
3. Prevention of Lung Diseases and Overview of Lung Transplantation SP Rai	76	
4. Treatment of Heart and Lung Failure Nandkishore Kapadia	86	
5. Heart and Lung Transplant Anvay Mulay, Sandeep Sinha, Santosh Sorate	89	
6. Post-heart Transplant Medication and Precaution Prashant Nair	93	

Section V: Cornea, Skin, Hand and Body Donation	
1. Eye Donation Kamaxi Bhate	101
2. Skin Donation and Skin Banking S Keswani	103
3. Bone Donation Astrid Lobo Gajiwala	105
4. Hand Transplant Vinita Puri	110
5. Body Donation Pravin H Shingare	113

Contents	xvii
Section VI: Communication and Counselling Skills	
1. Introduction to Counselling in Deceased Organ Donation Sujata Ashtekar	117
2. Donor Family Counselling . Bhavana Shah	122
3. Counselling Process Rekha Barot	125
4. Importance of Communication Skills and Organ Donation Sucheta H Desai	128
5. Recipient and Family Counselling and Coordination with Different Organisations Anirudha K Kulkarni	132
6. Grief Counselling Skills Arati Gokhale	135
7. Protocol for Organ Donation ROTTO-SOTTO (West Maharashtra), Astrid Lobo Gajiwala, Sujata Ashtekar, Urmila Mahajan	138
Section VII: Public Awareness, Motivation and Ethics	
1. Importance of Public Awareness and Sensitisation in Organ Donation Sujata Ashtekar	143
2. Motivation for Organ Donation Meera Suresh	147
3. Developing of Educational Tools, Mass Mobilization and Campaigning Sandip Bhurke	149
4. Ethics in Transplant Joseph Thomas M	151
5. Principle, Ethics and Basic Skills of Counselling Ameya Sunil Mahajan	156
Section VIII: Law, Rules, Regulation and Guidelines	
1. Salient Feature of THOA 1994 Amendments and Rules Astrid Lobo Gajiwala and Sujata Ashtekar	161
2. Information on Zonal Transplant Coordination Centre, Mumbai SK Mathur	170
3. Formation and Functioning of ZTCC Pune Abhay Huprikar	174
4. Police NOC in Organ Donation Prakash Saindane	176
5. SOP for Police No Objection Certification Case of Medicolegal Cases Anirudh K. Kulkarni	178