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Human tissue consists of cells within the body that are similar in appearance and have the same function. Donating tissue can dramatically improve the quality of life for others. As many as 50

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people can be helped by the donation from one person.

Tissue donation - NHS Organ Donation

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This is the guide to tissue and cell donation that you have been waiting for. Policies and practices reviewed using specific donor case histories as examples Multidisciplinary, multi-national team of editors and contributors, with expertise in ethics, consent,

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transplantation, microbiology and tissue and cell banking Provides a guide to easier and safer practice in referrals, tissue procurement, cord blood collection and decision making in general This unique book explores a range of issues related to the human impact of tissue and cell donation programmes around the world. It addresses the areas that are of key concern and have profound implications for the donors, recipients and healthcare professionals involved. Focusing on tissue, assisted reproduction and hematopoietic stem cells this book is essential reading for all those working in the field of human transplant donation and those who regulate this field.

Blood and cell and tissue donations are important to treat a wide range of diseases and disorders. Whole blood or blood components (e.g. plasma or red blood cells) can be transfused in order to treat

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blood loss from trauma or surgery, or to treat illnesses such as thalassemia. Many different cells and tissues can be used to cure or treat a wide range of diseases such as bone marrow for blood cancers or skin transplants for burn wounds. Tissues and cells can be donated by living donors (e.g. bone marrow, umbilical cord blood after birth, and sperm or eggs), as well as by deceased donors (tissues such as bone, cornea, skin and heart valves). Treating patients with blood, cells or tissues carries, however, a risk of disease transmission from the donors to recipients. To minimise the risk of such transmission, all countries within the European Union (EU) are required to implement the quality and safety standards laid down in the EU Directives¹. These Directives set a benchmark for the standards that must be met when carrying out any activity involving blood, cells and tissues for human application (patient

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treatment). The Directives also require that systems are put in place to ensure that blood, tissues and cells used to treat patients are traceable from donor to recipient. The objective of this Special Barometer report is to understand European citizens' behaviour and attitudes towards donating and receiving treatment with these body substances (excluding solid organs). This will help to shape future policy for donors and recipients. The survey begins, setting the context for the topic, by establishing respondents' experiences of donating specific body substances. It then moves on to establish attitudes to donating, either while alive or after death. Finally, the survey considers respondents' attitudes to receiving treatment with donated body substances and the need for legislation at EU-level. This report includes a breakdown by country. It also provides detailed socio-demographic information including gender, age and

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education and where appropriate looks at data for the relevant age groups for each type of tissue donation.

This is the guide to tissue and cell donation that you have been waiting for. Policies and practices reviewed using specific donor case histories as examples. Multidisciplinary, multi-national team of editors and contributors, with expertise in ethics, consent, transplantation, microbiology and tissue and cell banking. Provides a guide to easier and safer practice in referrals, tissue procurement, cord blood collection and decision making in general. This unique book explores a range of issues related to the human impact of tissue and cell donation programmes around the world. It addresses the areas that are of key concern and have profound implications for the donors, recipients and healthcare professionals involved. Focusing

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on tissue, assisted reproduction and hematopoietic stem cells this book is essential reading for all those working in the field of human transplant donation and those who regulate this field.

Organ transplantation saves thousands of lives each day but raises some questions of principle. This guide, which is published on a biennial basis, provides guidance for all those involved in transplantation and other clinical applications of organs, tissues and cells, with the aim of optimising quality and reducing risks. The topics covered are: quality management, principles for ensuring the quality of organs, tissues and cells; selection of donors; organ procurement and preservation; tissue and cell procurement; tissue establishment; transplantation practices.

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It has been 10 years since the first edition of "Essentials of Tissue Banking" has been published. There is still relatively little published on the technical and scientific principles on routine tissue and cell banking based on scientific principles. The 1st edition was very successful and, after a 10 year gap, there is a need of an update and an expansion of the book's remit. The format of the book follows that of the previous edition- split into 5 sections. Management of donors and the banking of common tissues and cells; Principles of storage and processing of tissues and cells; Ensuring the safety of the products by testing the donor, the tissues and the environment, supported by a quality system and an IT infrastructure- all working within the constraints of current regulatory and ethical environments. This edition however provides a significant update. Many the chapters have been completely rewritten by different

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experts. Like the 1st edition, they were given a free hand in the way they wrote their chapter, with a guideline that they had to be concise, clear and up to date. The authors were also asked to provide the scientific and technical basis that provides the rationale of the processes they describe. Also, the scope of the book has been somewhat extended. In view of the fact that many cellular therapies are now routinely practiced, 2 new chapters have been added: one on the banking of haematopoietic stem cells and one on human embryonic stem cells. They have been deliberately chosen to illustrate the extreme spectrum of cellular therapies from one of the simplest to one of the most complex. The intention of the book has remained the same: to cover and update banking of current practices in essential tissue and cell banking. It is therefore hoped that by keeping the book as concise and up to date as possible, it will find a

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place on the shelves of many tissue establishments.

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As new medical technologies are developed, more and more human tissues—such as skin, bones, heart valves, embryos, and stem cell

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lines are stored and distributed for therapeutic and research purposes. The accelerating circulation of human tissue fragments raises profound social and ethical concerns related to who donates or sells bodily tissue, who receives it, and who profits—or does not—from the transaction. Catherine Waldby and Robert Mitchell survey the rapidly expanding economies of exchange in human tissue, explaining the complex questions raised and suggesting likely developments. Comparing contemporary tissue economies in the United Kingdom and United States, they explore and complicate the distinction that has dominated practice and policy for several decades: the distinction between tissue as a gift to be exchanged in a transaction separate from the commercial market and tissue as a commodity to be traded for profit. Waldby and Mitchell pull together a prodigious amount of research—involving policy reports

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and scientific papers, operating manuals, legal decisions, interviews, journalism, and Congressional testimony—to offer a series of case studies based on particular forms of tissue exchange. They examine the effect of threats of contamination—from HIV and other pathogens—on blood banks— understandings of the gift/commodity relationship; the growth of autologous economies, in which individuals bank their tissues for their own use; the creation of the United Kingdom’s Stem Cell bank, which facilitates the donation of embryos for stem cell development; and the legal and financial repercussions of designating some tissues “hospital waste.” They also consider the impact of different models of biotechnology patents on tissue economies and the relationship between experimental therapies to regenerate damaged or degenerated tissues and calls for a legal, for-profit market in organs.

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Ultimately, Waldby and Mitchell conclude that scientific technologies, the globalization of tissue exchange, and recent anthropological, sociological, and legal thinking have blurred any strict line separating donations from the incursion of market values into tissue economies.

This is the second edition of this publication which contains guidance on the transplantation of organs, tissues and cells of human origin for therapeutic purposes. It sets out safety and quality assurance standards for the procurement, preservation, processing and distribution of human organs, tissues and cells, in order to promote ethical concerns which recognise the safety and dignity of the donor and the recipient. The guide also contains the additional protocol to the Convention on Human Rights and Biomedicine on

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the transplantation of organs and human tissues.

This new book explores clinical information in the tissue transplantation field and acts as a comprehensive learning tool to comply with regulatory requirements. Broad in scope, coverage includes all the traditionally transplanted tissues and moves into more complex areas of tissue grafting and the assisted reproduction fields. This useful text focuses on the potential for disease transmission, ways to improve safety, and the role of the clinician in these safety aspects. The book starts off by describing non-surgical risks of using allografts and moves onto chapters devoted completely to tissue- or cell-specific issues relating

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totransplantation of the individual types of tissues or cells. Tissue and Cell Clinical Use: An Essential Guide is the final book in a series which covers all aspects of tissue banking, donation, processing, and transplantation. Each book in the series includes lists of learning points and case studies which consist of sample processing protocols, descriptions of where processing went wrong, sample risk assessments, or validation studies. This three book series covers all you need to know about tissue banking.

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