CONTENTS

Foreword, by John M. Haas	XV
Translator's Note, by John A. Di Camillo	xix
Preface	xxiii
P. 4 Q	
Part One	
General Bioethics	
Chapter 1	
Origins, Development, and Definitions of Bioethics	
The Rise of Bioethics as a "New" Discipline,	3
and the Origins of the Term	
Major Bioethics Centers in the World	5
From Medical Ethics to Bioethics	13
The Problem of a Definition	19
Bioethics, Anthropology, and Interdisciplinary Study	24
Summary	30
Charatan 2	
Chapter 2 Enistemalogical Justification	
Epistemological Justification, the Foundation of Bioethical Judgments,	
e i i i i i i i i i i i i i i i i i i i	
and Research Methodology in Bioethics	
The Epistemological Justification of Bioethics	35
The Relationship between Biomedical Science and Bioethics	38
Bioethical Models and Questions of Meta-ethics	43
Bioethical models	43
Cognitivism and noncognitivism: Hume's law	44
Descriptive ethics and the sociobiological model	49
The subjectivist or liberal-radical model	51
The pragmatic-utilitarian model	53
The contractualist model	55
The phenomenological model	55
Principlist ethics	56
The personalist model	57
Research Method in Bioethics	60
Moral Law and Civil Law	61
Secular Bioethics and Catholic Bioethics	65
Summary	67

Chapter 3 Forms, Origins, and Meaning of Human Life

Life and Its Forms	77
Life and Teleology	80
For and Against Evolutionary Theory	81
Against Reductionism	88
The Philosophical Problem within the Biological Problem	91
Anthropocentric Ethics and Anti-anthropocentric Ethics	94
Summary	100
Chapter 4	
The Human Person and His Body	
Humanizing Medicine	105
The Human Person and His Centrality	106
The Body and Its Values	111
The dualist or intellectualist concept	112
The monistic concept	114
The personalist concept of man and of corporality	115
The Transcendence of the Person	122
The Person, Health, and Illness	126
Health and Illness: A Brief Historical Overview	129
The classical period	129
The modern and postmodern period	130
The human body: commercialized and de-formed	132
Summary	136
Chapter 5	
Bioethics and Its Principles	
Ethics as Life and as a Science	151
Objective Morality and Subjective Morality	156
Human Freedom	161
Freedom as self-determination	161
Freedom as self-realization	162
Freedom as a relationship	162
Integral definition of freedom	162
The need for moral formation	162
Norms, Values, and Natural Law	163
The Natural Moral Law as the "Way to the End"	167
The Essential Unity of Nature and Reason	168
Knowledge of the Natural Moral Law	169
The Natural Law Is "Living"	170
Teleological Ethics and Deontological Ethics	171
Perspectives in Contemporary Ethics	173

Anthropological silence	174
Distortion of the notion of "transcendental"	174
Discourse Ethics (Habermas)	175
Presuppositions of discourse ethics	175
Characteristics of discourse ethics	175
Procedural reason	175
Intersubjectivity takes the place of universality	176
Some Corollaries and Principles of Personalist Bioethics	176
The principle of defense of physical life	176
The principle of freedom and responsibility	179
The principle of totality, or the therapeutic principle	180
The principle of sociality and subsidiarity	182
Principles of North American Bioethics	183
Situations of Conflict and the Principles for Resolution	189
The lesser evil (the possible good)	189
The principle of double effect (indirect voluntary)	190
Summary	192
Chapter 6	
Bioethics and Medicine	
The Complexity of Medicine and Ethical Convergence	201
Medicine as Science and Ethical Demands	202
The Temptation of Technology	206
Impact on Society	207
The Environmental Component	212
Aims, Limits, and Risks of Medicine	213
Respect for reality	213
Medicine as relational knowledge	214
Medicine as the ability to restore	215
The therapeutic relationship	216
Impossible medicine and false hopes	218
The Physician-Patient Relationship	219
The nature of the physician-patient relationship	219
The foundation of the medical act	222
Models of the physician-patient relationship	224
The meaning of the patient's good	227
Extent and quality of information and consent	229
The Call for Virtue in the Physician-Patient Relationship	231
Summary	233
Chapter 7	
Bioethics Committees	
Why Bioethics Committees?	241
Necessary Preconditions for the Establishment of Bioethics Committees	243

Reintegrating the Anthropological Unity of	246
Medical Knowledge and Medical Practice The Problem of Standard Values and Criteria	248
Overcoming the Politicization of Medicine:	249
Patients' Rights and Physicians' Rights	27)
Parameters for the Formulation of Ethical Judgments	251
Functions and Characteristics of Bioethics Committees	253
The Ideal Characteristics of Bioethics Committees	256
The International Situation	259
United States of America	260
Australia	262
Japan	264
Europe	265
Italy	274
Conclusions and Outlook	282
UNESCO and Its Bioethics Committee	283
Summary	285
Summary	203
Part Two	
Particular Bioethics	
Chapter 8	
Bioethics, Genetics, and Prenatal Diagnosis	
Genetic Engineering and Manipulation	297
Relevance and delimitation of the topic	297
Some important stages in the development of genetic engineering	304
Levels and aims of intervention: Prospects and	310
risks for the new postgenomic medicine	
Levels of intervention	310
Aims	312
Ethical approaches and ethical judgment criteria	313
The nonmanipulability of causal origin	316
Ethical principles	321
Specific ethical norms	323
Problems with postnatal genetic diagnosis and screening	326
Postnatal genetic testing to verify a diagnosis of illness	326
Premarital and preconception diagnosis	327
Genetic screening of employees	328
The Human Genome Project and related ethical issues	331
Genetic tests in forensic medicine	333
Genetic tests for insurance purposes	334
Gene therapy	335
Genetic engineering for the modification	337
and enhancement of human beings	

Patenting the products of biotechnology	340
Prenatal Diagnosis	344
History and medical indications	347
Methods and technical procedures	349
Noninvasive techniques	350
Minimally invasive techniques	352
Invasive techniques	353
Results and outcomes after genetic testing	357
Ethical guidelines for prenatal genetic diagnosis	358
Summary	365
Chapter 9	
Bioethics, Sexuality, and Human Procreation	
Scope and Current Relevance of the Topic	373
Developments in Catholic Morality on the Topic of Sexuality	382
Anthropological presuppositions regarding sexuality and procreation	384
Sexuality as Reciprocal Recognition	387
Physical Sex and Psychological Sex	390
Freedom and Responsibility with regard to Sex	391
Conjugality and Procreativeness	392
The Meanings of Conjugality and the Conjugal Act	394
Ethics of Responsible Procreation and Contraception	395
The principle of responsibility	397
The principle of the truth of love	399
The principle of sincerity	409
Summary	412
Chapter 10	
Bioethics and Abortion	
The Bioethical Vantage Point	419
The New Conceptus in Light of Genetics and Human Biology	422
The Human Character of the Embryo	426
The Ontological and Ethical Value of the New Conceptus	434
The law as a preventive measure	434
The moment of ensoulment	436
Self-conscious awareness	438
Essential behavior and relation	439
Recognizing the human image	440
The intention to procreate and contraceptive abortion	441
Philosophical conclusion: the biological and the human	442
Ethical conclusion	445
Abortion from the Viewpoint of Legal Ethics	446
"Therapeutic Abortion": The Conflict between	447

the Life of the Mother and the Life of the Conceptus	
The "indications" for therapeutic abortion	449
Ethical assessment of "therapeutic abortion"	450
The dramatic cases	452
Conclusion	454
Eugenic Abortion	455
Abortion Law and Conscientious Objection	455
Conscience and its demands of freedom and truth	456
The normative character of the law and	457
the bond of conscience	
Conscientious objection and elective abortion	459
"Hidden" Forms of Abortion	464
The Prevention of Spontaneous Abortion	468
Summary	470
Chapter 11	
Bioethics and Human Fertilization Technologies	
Definition of the Ethical Problem	475
Some Distinctions	477
Artificial Insemination	478
Historical notes and statistics	478
Medical indications, techniques, and results	480
Medical indications	480
Techniques	481
Results	482
Ethical assessment of intracorporeal artificial insemination	483
Moral aspects of homologous artificial insemination	485
The permissibility of the various means	487
and methods of obtaining semen	
Ethical assessment of heterologous artificial insemination	489
Gamete intrafallopian transfer (GIFT) and	491
other techniques of intracorporeal fertilization	
In Vitro Fertilization and Embryo Transfer	494
Importance and current relevance of the topic	494
Historical notes on IVF-ET	495
Medical indications, methods, and success rates	497
Complications of IVF-ET	501
Ovarian hyperstimulation syndrome	501
Possible increase in the incidence of fetal malformations	501
Asynchrony of endometrial and embryonic development	503
Ectopic pregnancies	504
Multiple pregnancies	504
Ethical problems concerning IVF-ET	506
Extracorporeal homologous artificial fertilization:	508
loss of embryos and of conjugal unity	

Extracorporeal heterologous artificial fertilization	513
Repercussions on marital and parental unity	515
The identity of the unborn child	516
The eugenic incentive	517
Surrogate mothers	518
In vitro fertilization and experimentation	520
Aberrant forms of fertilization and gestation	522
Artificial fertilization changes the meaning of	523
human relations	
What should be the fate of frozen embryos: adoption for birth?	526
Artificial fertilization in ethics and law	527
Concluding considerations	531
Sex Selection or Determination	532
Motives for sex selection or sex predetermination	532
Hypothetical and experimental methods before conception	533
Methods proposed for after conception	534
Natural methods and sex selection	534
Ethical assessment	535
The ends or motives	535
The admissibility of methods and techniques	536
From Child as Therapy to Therapeutic Cloning	536
Stem cells	537
Therapeutic cloning	538
The ANT technique	539
Summary	540
Chapter 12 Bioethics and Sterilization	
Historical Notes and Various Forms of Sterilization	549
Contraceptive Sterilization in the World	551
The Situation in Italy	553
The Techniques	555
Moral Assessment	558
The Inviolability of the Person and of His Physical Integrity	560
The Unitotality of the Human Being	563
The Principles of Optionality and Totality	564
The Request for Voluntary Sterilization as a Symptom	565
Corollaries and Specific Cases of Particular Gravity	567
The extreme case	567
The mentally ill woman and the case of intra- or	569
extramarital violence	507
Sterilization and the Law	573
Voluntary Sterilization and Libertarian Neo-Natural Law Theory	575
Summary	577

Chapter 13 Bioethics and Human Experimentation

Clinical Drug Trials	581
Experimentation is necessary	581
The technical meaning of pharmacological experimentation	583
History, practice, and legislation	588
Experiments on oneself	588
Experiments on volunteer subjects	588
Experiments on those sentenced to death	588
Experiments on prisoners in the Nazi concentration camps	588
The Nuremberg Code	589
The Declaration of Helsinki	589
International Ethical Guidelines for Biomedical	590
Research Involving Human Subjects	
European directives	590
Decrees and circulars of the Ministry of Health	594
Ethics of human experimentation	596
The fundamental ethical values	596
Practical ethical guidelines regarding human	601
experimentation	
Ethical assessment and specific cases	605
Experimentation on healthy volunteers	607
Experimentation on oneself	607
Experimentation on detainees	607
Experimentation on children and minors	608
Experimentation by means of randomized clinical trials	609
Experimentation on Human Fetuses and Embryos	610
The novelty of the issue	610
Therapeutic intrauterine interventions	612
Interventions for purely scientific research	613
Experiments on aborted human fetuses	615
The extraction of fetal tissues for the purpose of	617
transplantation	
"Proposal of an Ethical Commitment for Researchers	618
in the Biomedical Field"	
Summary	621
Chapter 14	
Bioethics and Organ Transplants	
Scientific and Technological Advances	627
Terminology and Historical-Descriptive Notes	629
Liver Transplants from Living Donors	631
"Non-life-saving" Transplants of Visible Parts	632
"Crossover" Transplants	632
1	

Legislative Prospects and International Cooperation	635
The Italian Legal Situation	636
The Ethical Aspect of the Problem: General Principles	639
Defending the lives of the donor and the recipient	639
Protecting the personal identity of the recipient	641
and the recipient's descendents	
Informed consent	642
The problem of determination of death in transplants	644
from a cadaver	
The Current Debate on Brain Death	646
The Case of Heterologous Transplant	649
Tissue Grafts	651
The Anencephalic Newborn as Organ Donor	655
Summary	658
Chapter 15	
Bioethics, Euthanasia, and Death with Dignity	
Definition of Terms and History of the Problem	663
The Present Cultural Context	667
The secularization of thought and life	668
Rationalistic and humanitarian scientism	671
The imbalance in medicine between technology	673
and humanization	
The Teaching of the Church's Magisterium	674
Summary of Moral Teaching on Euthanasia	679
The rejection of euthanasia properly speaking	679
The proportionate use of therapeutic means	683
The administration of normal care and palliative care	686
The refusal of therapeutic obstinacy and dysthanasia	688
The use of analgesics	692
Telling the truth to a terminally ill patient	692
Review of Some Deontological and Legal Documents	694
Recommendation of the Council of Europe	694
Advance directives	696
Principles of European Medical Ethics	698
A proposed resolution in the European Parliament	700
Initiatives for the legalization of euthanasia	701
The bill proposed by the Health and Hygiene Committee	703
of the Italian Senate	
The Italian Code of Medical Ethics of 2006	704
The Present Legislative Situation Worldwide	705
Pediatric Euthanasia: The Gröningen Protocol	706
Euthanasia as a Legal Problem	708
Euthanasia and Suicide	709
Summary	711

Chapter 16 Bioethics and Technology

The Insatiability of History	717
Technological and Scientific Progress,	720
Anthropology, and Ethics	
Computer Science and Anthropology	722
Reassuring consequences of computer science	722
at the anthropological and cultural level	
Problematic aspects of the emergence of computer science	723
Ethical Requirements vis-à-vis	724
the Computer Science Culture	
Some Specific Ethical Frontiers of Applied Technology	725
Genetic modification	725
The use of atomic energy	726
Environmental pollution	729
Technology as the Sole Horizon Transforms Man	730
into an Automaton	
Summary	735
Bibliography	741
Names Index	829
Subject Index	833