

Contents

Preface	9
---------------	---

FOUNDATIONS

The cell as a biological elementary unit	11
The nucleus	16
The nucleolus	20
Cytomembranes	23
The Golgi-apparatus	29
Centrioles	34
Endoplasmatic reticulum	39
Ribosomes	43
Mitochondria	50
Microbodies	56
Lysosomes	57
Experimental fundaments	65
Cytochemical comparison between fetal and maternal tissues	69
Minerals, trace-elements and toxic metals in lyophilized tissues	82
Test for toxicity	88
Inçorporation and distribution of injected foreign tissues	88
Transport-routes and effects	96
Identification and specificity of action	104
Immunological synopsis	109
Immunological terms	109
Immunobiological phylogenesis and ontogenesis	113
The thymus	114
Bursa?	115
The reticulo-histiocytary system (RHS)	115
Life profile of immunity	117
Natural resistance/Immunity	119
Organisation of the immunological system	120
The epithelial surface of contact and defense	121
The thymo-lymphatic defense-zone	127
The reticulo-histiocytary (mesenchymal) defense-system	129

Immunobiological cytobiology	131
Immunocytes	133
Processes accompanying the synthesis of immune bodies	138
Eosinophils	144
Basophils	147
Immunological constituents	151
Antigens	151
Antigenic determinants	152
Antibodies	155
Antigen-antibody relations	160
The complement system	164
Immun-deficiencies	166
Clinical data on immunizing reactions	173

CLINIC AND PRACTICE

Cellular defects as guiding principle of the therapy	179
Clinical principles	186
Preliminary tests	187
Implantation technique	190
Concomitant phenomena	197
Compatibility	199
Forms of the cell therapy	202
Conditions of production	203
Congenital aberrations of functions and structure	207
Chromosomal abnormalities	208
Down's syndrome	208
Gonosome aberrations	241
Genetic aberrations	245
Mental and multiple disabilities	254
Concept of a therapy system	254
Therapeutical approaches	262
Documentation and Control of Development	277
Revitalization	280
Effects of revitalization demonstrated by experiments	281
The revitalization in clinic and practice	283
Dysfunctions of organ-systems and organs	290
Central nervous system	290
Infantile cerebral paresis	290
Atrophic processes in the brain	295
Heredodegenerative diseases	296
Morbus Parkinson	304
Depressions	305

Migraine	305
The apallic syndrome	305
Neurocrine-endocrine synopsis	313
Endocrine disorders	315
Hypophyseal-hypothalamic disorders	318
Thyroid insufficiencies	318
Parathyreoid insufficiency	319
Diabetes mellitus	320
Adrenal insufficiency	322
Puberty	323
Infertility	326
Ovarian insufficiency	327
Cardiac and vascular disorders	328
Peripheral circulatory disorders, arteriosclerosis	328
Cardiac insufficiency	329
Cardiac infarction	330
Pulmonary diseases	330
Renal diseases	332
Hepatic diseases	333
Skin diseases	335
Diseases of supporting tissues	348
Development of the skeleton	348
Skeleton and growth	361
Hematopoetic diseases	366
Irradiation lesions	366
Implantation by injecting hematopoetic tissues in leukemia and systematisized blood-diseases	369
Tumor therapy	383
Forms	384
Principle of pathogenicity	385
Etiology	386
Tumor immunology	387
Therapy	388
The influence of fetal mesenchyme cells on a Hodgkin-like lymphoma cell strain (L.v. Langendorff)	389
The autor's own patients	396
Cell-therapeutic synopsis	399
Bibliography	411
Index	439