

Contents

Key to Abbreviations	XI
Material and Methods	1
The So-Called Normal Lymph Node	4
I. The Cell Types	4
1. Lymphocyte	4
2. The Characteristic Cells of the Germinal Centers	5
a) Germinocyte	5
b) Germinoblast	5
c) Desmosome-connected (Long-branching) Reticulum Cell	6
3. Basophilic Stem Cell (Large Pyroninophilic Cell)	6
4. Plasma Cell Series	7
a) Plasma Cell	7
b) Proplasmacyte	8
c) Plasmablast	9
5. Reticulum Cell	9
a) Nonphagocytic Reticulum Cell	10
b) Phagocytic Reticulum Cell	11
6. Retothelial Cells	12
a) Retothelial Cells of the Marginal Sinus	12
b) Retothelial Cells of the Intermediate and Medullary Sinus	14
7. Mast Cell	14
8. Other Cell Types	15
II. The Main Structural Units of the Lymph Node	16
1. The Follicles	16
2. The Pulp	17
3. The Lymph Sinuses	17
4. The Blood Vessels	17
Nonspecific Lymphadenitis (Reactive Hyperplasia)	20
1. Follicular Lymphatic Hyperplasia	20
2. Diverse Hyperplasia of the Pulp	20
3. Plasma Cell Hyperplasia (Plasmacytosis)	22
4. Sinus Catarrh	22
5. Immature Sinus Histiocytosis	22

Contents

Specific Lymphadenitis	25
1. Tuberculosis	25
2. Sarcoidosis	27
3. Toxoplasmosis (Piringer's Lymphadenitis)	27
Hodgkin's Disease	29
1. Mixed Type	30
2. Nodular Sclerosing Type (Lukes)	30
3. Epithelioid Cellular Lymphogranulomatosis	30
Malignant Tumors of the Lymphoreticular Tissue	31
1. Germinoblastoma (Follicular or Nodular Lymphoma, M. Brill-Symmers)	31
2. Lymphosarcoma	32
3. Reticulum Cell Sarcoma	32
4. Burkitt's Tumor	33
5. Macroglobulinemia of Waldenström	34
Leukemias	36
1. Chronic Lymphocytic Leukemia	36
2. Poorly Differentiated Leukemias and Erythremias	36
a) Lymphoblastic Type	37
b) Granulocytic (Paramyeloblastic) Type	38
c) Monocytic Type	39
d) Undifferentiated Type	39
e) Acute Erythremia (Di Guglielmo's Disease)	40
Histiocytosis X	41
1. Letterer-Siwe's Reticulosis of Infants	41
2. Eosinophilic Granulomatosis of the Adult (Lipoid Granulomatosis of Hand-Schüller-Christian without Lipoid Storage)	41
Tumor Metastases	43
1. Lymphoepithelial Carcinoma (Schmincke-Régaud)	43
2. Squamous Cell Carcinoma	44
3. Malignant Melanoma	44
References	45
Illustrations	51
Index	307

Key to Abbreviations

ag azurophilic granule
b basement membrane
bs basophilic stem cell
c centriole
cap capillary lumen
co collagen fiber
d desmosome
eg eosinophilic leukocyte
end endothelium
ep epithelioid cell
ery erythrocyte
f cytoplasmic filaments
fc fibrocyte
g glycogen
G Golgi apparatus
gb germinoblast
gc germinocyte
hi immature sinus histiocyte
lbl lymphoblast
Lgh LANGHANS' type giant cell
lp lipid
ly lymphocyte
lys lysosome
m mitochondria
mc mast cell
ml melanin
my myelin figure

n nucleus
nb nuclear dense body
ng neutrophilic leukocyte
ni nuclear inclusions
nl nucleolus
np nuclear pockets
nre nonphagocytic reticulum cell
p phagosome
pb plasmablast
pc plasma cell
per pericyte
pmc promyelocyte
ppc proplasmacyte
pr protein deposits
pre phagocytic reticulum cell
Rb RUSSELL body
re reticulum cell
rer rough endoplasmic reticulum
rf reticulum fiber
rt retothelial cells
ser smooth endoplasmic reticulum
sg specific granule
ssc starry sky cell
StR STERNBERG-REED cell
tf tonofibrils
tp toxoplasma