Differential Diagnosis in Pediatric Radiology

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Contents

Preface V
List of Tables VII
Acknowledgements XX

1 Respiratory System
(Including: Paranasal Sinuses, Pharynx, Mediastinum, and Diaphragm) 1
2 Cardiovascular System 23
3 Urinary System
   (Including: Retroperitoneum and Adrenal Gland) 35
4 Gastrointestinal System
   (Including: Liver, Gallbladder, Spleen, and Pancreas) 50
5 Skeletal System
   (Including: Spine, Muscles, and Soft Tissues) 72
6 Head
   (Including: Eye, Mastoid, and Middle Ear) 108

References 118
Subject Index 128

This book is dedicated to Professor Hans Salinger, former Radiologist-in-Chief, and to the Late Professor Julian Casper, Pathologist-in-Chief at the Beilinson Medical Center in Petach-Tiqva, Israel, two exceptional physicians and teachers who introduced me into the art of Medicine and the academic life.

Preface

The formulations for these guidelines were made as early as 1967 while studying pediatric radiology at the Children’s Hospital Medical Center in Boston, Mass. Over the years, new radiological modalities developed requiring the updating of this guide until its present publication. During this period, ultrasonography, computerized tomography, nuclear magnetic resonance as well as variants of invasive and noninvasive techniques became widely accepted in diagnostic imaging. However, in the author’s opinion, the interpretation of the conventional X-ray is still the cornerstone of pediatric radiology. This is emphasized in this manual and is presented in such a manner to help the diagnostician to reach a specific diagnosis.

The diagnostic tables are based on the six major body systems, and each table is listed in the ‘List of Tables’ under the respective system. Every system cites in its beginning some of the major clinical signs as a guide to the radiographic group diagnosis. The first tables in the specific chapter are devoted to the newborn period whenever it was possible to find a common denominator, radiographically. The entries in each table are listed under the relevant radiographic sign or signs and are arranged in an alphabetic order, omitting the frequency of appearance. It is assumed that such frequency varies according to the patient load and the geographic distribution. The subject index is based on the table captions to serve as a quick guide to the appropriate diagnostic tables.

Articles from various journals, books, seminars, lectures, as well as notes from personal experience have been incorporated in the various tables. Only a brief list of
recent publications is cited as the manual was compiled over so many years. This book should serve as a foundation for further notations and stimulation by the interested physician engaged in the field of pediatric imaging in diagnostic radiology.

Petach-Tiqva, 1986 Michael Grünebaum, MD

List of Tables

1 Respiratory System
Including: Paranasal Sinuses, Pharynx, Mediastinum, and Diaphragm

1001 Respiratory distress in the newborn period
1002 Lung diseases in the newborn period
1003 Air bronchogram pattern
1004 White lung appearance
1005 Pulmonary hemorrhage, a complication of 1006
Opacification of the hemithorax in the newborn period
1007 Wet lung disease
1008 Complications of the hyaline membrane disease
1009 Interstitial emphysema, pneumothorax and/or pneumomediastinum
1010 Hyperinflation in the newborn period
1011 Unilateral hyperlucent thorax in the newborn period
1012 Hypoinflation, hypoaeration of the lungs
1013 Coarse parenchymal markings with irregular, bilateral changes and hyperinflation in the newborn period
1014 Patchy, asymmetric alveolar infiltrations in the newborn period
1015 Cystic-like structures in the lung parenchyma of the newborn
1016 Neonatal platelet atelectasis
1017 Pulmonary hyperplasia may be associated with 1018
Neonatal respiratory distress with shifting of the mediastinum
1019 Pleural effusion in the newborn period
1020 Bony abnormalities of the thoracic cage causing respiratory distress in the newborn period
1021 Upper respiratory tract obstruction in infancy and childhood
1022 Nasal airway obstruction or opacification
1023 Bilateral maxillary hypoplasia
1024 Large paranasal sinuses
1025 Unilateral maxillary sinusitis with nasal drainage
1026 Chronic sinusitis

List of Tables
1027 Absence of lymphoid tissue in the nasopharynx
1028 Pharyngeal tumors or masses
1029 Retropharyngeal soft-tissue thickening
1030 Irregular soft-tissue widening of the neck
1031 Stridor in infancy
A. Originating within the upper respiratory tract
B. Originating outside the upper respiratory tract
1032 Enlargement of the epiglottis
1033 Laryngeal obstruction
1034 Tracheal obstruction
1035 Tracheal displacement
1036 Bronchial obstruction
1037 Hyperinflation in infants
1038 Unilateral hyperinflation of the lung
1039 Hilar radiation pattern
1040 Hilar and/or mediastinal adenopathy
1041 Acute alveolar disease
1042 Aspiration pneumonia
1043 Pneumonic infiltration in infancy
1044 Recurrent, chronic pneumonia
1045 Bronchiectasis
1046 Mixture of interstitial and granulo-alveolar pattern
1047 Interstitial-reticular pulmonary pattern
1048 Disseminated interstitial pneumonitis
1049 Miliary pattern of pneumonia
1050 Bilateral, diffuse interstitial fibrosis
1051 Reticular pattern of congestion
1052 Pulmonary edema in infancy and childhood
1053 Multiple pulmonary masses or nodules
1054 Intraluminal mass, nodule or pulmonary pseudotumor
1055 Pulmonary hemorrhage in the older infant
1056 Lung infarction
1057 Opacification of the hemithorax
1058 Pneumothorax
1059 Pneumomediastinum in infancy or childhood
1060 Pleural effusion
1061 Cyst-like structure in the lung parenchyma
1062 Multiple cysts with fluid levels

VIII

List of Tables
1063 Intrathoracic cysts and/or tumors
1064 Mass between trachea and esophagus
1065 Prominent thymus
1066 Small or absent thymus
1067 Anterior mediastinal mass
1068 Middle mediastinal mass
1069 Posterior mediastinal mass
1070 Intrathoracic ectopia of abdominal organs
1071 High position of both diaphragms
1072 High position of unilateral diaphragm
1073 Absence or paradoxical movement of diaphragm
1074 Intrathoracic calcifications (excluding the bony thorax)
1075 Pectus carinatum or excavatum
1076 Soft-tissue mass at the thoracic wall with/without rib involvement

2 Cardiovascular System
2001 Cyanosis in the newborn period
2002 Neonatal congestive heart failure or pulmonary edema
2003 Cardiomegaly in the newborn period
2004 Cyanotic heart disease with increased pulmonary arterial vascularity in the newborn period
2005 Cyanotic heart disease with decreased pulmonary arterial vascularity in the newborn period
2006 Distended pulmonary veins and lymphatics in the newborn period
2007 Cyanosis with increased pulmonary artery vascularity in infancy
2008 Cyanosis with decreased pulmonary artery vascularity in infancy
2009 Cyanosis with increased pulmonary venous vascularity in infancy
2010 Normal or slightly decreased pulmonary vascularity
2011 Cyanosis with right aortic arch and diminished pulmonary vascularity
2012 Normal pulmonary vascularity with cardiac enlargement
2013 Decreased pulmonary artery vascularity with normal or slightly enlarged heart
2014 Increased pulmonary artery vascularity or congestion with cardiac enlargement
2015 Decreased pulmonary vascularity with cardiac enlargement
2016 Flat or concave main pulmonary artery with increased pulmonary arterial vascularity

IX

List of Tables
2017 Flat or concave main pulmonary artery segment with diminished pulmonary arterial vascularity
2018 Prominent main pulmonary artery segment with increased pulmonary arterial vascularity
2019 Convex or prominent main pulmonary artery segment
2020 Unilateral pulmonary artery agenesis or hypoplasia
2021 Increased heart shadow
2022 Enlarged right heart
2023 Right atrial enlargement
2024 Right ventricular enlargement
2025 Left atrial enlargement
2026 Left ventricular enlargement
2027 Left-to-right shunt at the level of the main pulmonary artery
2028 Bulge in the region of the aortic knob and pulmonary artery
2029 Enlarged thoracic aorta
2030 Diminished size of the ascending aorta and aortic arch
2031 Pulmonary vascular congestion with primary myocardial disease or impaired myocardial function
2032 Pulmonary vascular congestion or pulmonary edema
2033 Radiating pulmonary markings - butterfly wings
2034 Pulmonary edema or congestion with normal or slightly enlarged heart
2035 Extracardiac causes for congestive heart failure
2036 Microcardia
2037 Pericardial effusion
2038 Vascular ring
2039 Thoracic isomerism (bronchial isomerism)
2040 Azygos or hemiazygos vein enlargement
2041 Surgical imprints after thoracotomy

3 Urinary System
Including: Retroperitoneum and Adrenal Gland
3001 Bladder outlet obstruction in the newborn period (males)
3002 Neonatal abdominal masses
3003 'Lucencies' by total-body opacification effect
3004 Bilateral nephromegaly in the newborn period
3005 Unilateral renal masses in the newborn period
3006 Delayed nephrogram in the newborn period

X

List of Tables
3007 Hydronephrosis in the newborn period
3008 Causes of hematuria
3009 Absent nephrogram - unilateral or bilateral (nonfunctioning kidney)
3010 Weak nephrogram - unilateral or bilateral
3011 Persistent nephrogram - unilateral or bilateral
3012 High position of kidney
3013 Low position of kidney
3014 Bilateral absence of kidney or no excretion on urogram
3015 Unilateral absence of kidney - as seen on urogram
3016 Bilaterally enlarged kidneys
3017 Unilaterally enlarged kidney
3018 Bilaterally small kidneys
3019 Unilaterally small kidney
3020 Hydronephrotic kidney - unilateral or bilateral
3021 Medullary sponge kidney
3022 Renal papillary necrosis
3023 Renal mass
3024 Inflammatory renal mass
3025 Upper pole kidney mass
3026 ‘Pseudotumor of kidney’
3027 Displaced kidney
3028 Retroperitoneal abdominal mass
3029 Calcification(s) in the kidney
3030 Narrowing of the calyceal infundibulum
3031 Narrowing of calyces or renal pelvis - some extrinsic causes
3032 Filling defects in the renal pelvis
3033 Striated pelvis of kidney
3034 Ureteropelvic junction obstruction
3035 Obstruction of ureter
3036 Megaureter - unilateral or bilateral
3037 Dilatation of ureter in the bony pelvis
3038 Ureteral notching
3039 Ureterovesical junction stenosis
3040 Vesicoureteral reflux
3041 Large urinary bladder appearance
3042 Small urinary bladder appearance
3043 Neurogenic bladder
3044 Space-occupying lesions or filling defects of the bladder

XI
List of Tables

3045 Bladder displacement
A. From the front
B. From behind
C. From the side
D. From below
E. From above

3046 Calcifications in the urinary bladder

3047 Urethral obstruction

3048 Renal vein thrombosis

3049 Hypertension in childhood

3050 Adrenal mass

3051 Adrenal calcifications

3052 Hydrometrocolpos, may be seen with 3053

Filling defects in the (urinary) ileal loop after diversion

3054 Widening of the paraspinal soft tissues

4 Gastrointestinal System
Including: Liver, Gallbladder, Spleen, and Pancreas

4001 Vomiting in the newborn period

4002 Swallowing disorders in the newborn period

4003 Nasopharyngeal regurgitation

4004 Abdominal distention in the newborn period

4005 Increased abdominal gas in the newborn period

4006 Intestinal obstruction in the newborn period (anatomical level)

4007 Intestinal obstruction in the newborn period (etiology)

4008 High intestinal obstruction

4009 Gasless abdomen in the newborn period

4010 Gastric outlet obstruction in the newborn period

4011 Double bubble sign

4012 Defecation problems in the newborn period

4013 Soap bubble appearance of the intestine in the neonatal period

4014 Meconium plug syndrome

4015 Microcolon or disused colon

4016 Intra-abdominal calcifications in the newborn period

4017 Pneumoperitoneum in the newborn period

4018 Gas in the portal vein

4019 Ascites in the newborn period

XII
List of Tables

4020 Hepatomegaly in the newborn period
4021 Abnormal swallowing
4022 Macrognathia and/or prognathism
4023 Micrognathia or hypoplastic mandible
4024 Macroglossia
4025 Uncalcified or absent teeth
4026 Abnormal teeth growth
4027 Absence or resorption of the lamina dura
4028 'Floating teeth'
4029 Diverticula of the hypopharynx
4030 Inadequate peristalsis of the esophagus - neuromuscular deficit
4031 Gastroesophageal reflux
4032 Esophageal ulcers
4033 Esophageal stricture(s) or constriction
4034 Dilated or wide esophagus
4035 Diffuse, fine nodular lesions of the esophagus
4036 Esophageal varices
4037 Congenital tracheo-esophageal communication
4038 Extrinsic compression on the esophagus
4039 Nonemptying of the stomach
4040 Gastric obstruction
4041 Stomach tumor or pseudotumor in childhood
4042 Large mucosal folds of stomach
4043 Gastric wall pneumatosis
4044 Displaced stomach
4045 Duodenal obstruction with/without distended duodenal loop
4046 Duodenal ulcer
4047 Prominent duodenal mucosal folds
4048 Filling defects in the duodenal bulb
4049 Thick, wide mucosal folds of the small bowel with bowel distention
4050 Malabsorption patterns of the small bowel
4051 Stiff, fixed small-bowel loops
4052 Narrowed small-bowel loops
4053 Destruction of the small-bowel mucosa
4054 Filling defects of the small bowel
4055 Lesions mimicking regional enteritis
4056 Intussusception in the distal ileum
4057 Cecal filling defects
List of Tables

4058 Polyps of the colon
4059 Filling defects in the colon
4060 Colitis in the pediatric age group
4061 Colon stricture or narrowing
4062 Megacolon
4063 Toxic megacolon
4064 Intussusception
4065 Distention of small and/or large bowel - nonobstructive paralytic ileus
4066 Large-bowel obstruction
4067 Extraluminal rectosigmoid obstruction
4068 Large air-fluid levels in the abdomen
4069 Gas in the bowel wall
4070 Perforation of the gastrointestinal tract in infancy and childhood
4071 Pneumoperitoneum
4072 Abnormal gas collection in the abdomen (beside the pneumoperitoneum)
4073 Reduced intestinal gas
4074 Hepatomegaly
4075 Radiolucent, fatty infiltration of the liver
4076 Splenomegaly
4077 Gallstones
4078 Mass in the pancreatic tail region
4079 Ascites in children
4080 Abdominal calcifications
4081 Increased densities in the abdominal cavity
4082 Migratory peritoneal calcifications
4083 Peritoneal pseudotumors
4084 Melena - blood in stool

5 Skeletal System
Including: Spine, Muscles, and Soft Tissues

5001 Diastrophic bony thorax, incompatible with life
5002 Neonatal short-limbed dwarfism
5003 Limb bone shortening
5004 Bone age retardation at birth
5005 Advanced bone ossification at birth
5006 Metaphyseal osteolytic lesions in the newborn period
List of Tables

5007 Multiple rib fractures in the newborn period
5008 Bone fracture in the newborn period
5009 Soft-tissue edema in the newborn period
5010 Large epiphyses
5011 Small epiphyses
5012 Stippled, fragmented epiphyseal ossification centers
5013 Supernumerary ossification centers
5014 Localized growth of an isolated epiphyseal center
5015 Sunken epiphysis
5016 Wide growth plates
5017 Premature closure of growth plates
5018 Irregularities of the provisional zone of calcification and/or defective osteoid formation
5019 Radiolucent, transverse metaphyseal bands
5020 Radiolucent, longitudinal metaphyseal lines
5021 Increased density of the metaphyseal region
5022 Metaphyseal Wimberger sign
5023 Metaphyseal corner fracture(s)
5024 Fragmentation of the metaphyseal region
5025 Metaphyseal cupping
5026 Flaring or Erlenmeyer flask-shape appearance of metaphysis
5027 Metaphyseal defects without marginal sclerosis
5028 Wide metadiaphysis
5029 Metadiaphyseal defects of benign appearance with marginal sclerosis
5030 Bone infarct in the metadiaphyseal region
5031 Cortical thickening along metadiaphysis or diaphysis
5032 Expanding medullary lesions with thinning of cortical bone
5033 Scalloping or erosion of the inner cortical margin
5034 Splitting of cortex
5035 Cortical bone defects
5036 Periosteal reaction - various etiologies
5037 Layering of periosteal reaction
5038 Localized periosteal reaction
5039 Hypertrophic osteoarthropathy
5040 Osteopenia - generalized (decreased bone density)
5041 Localized osteopenia
5042 Generalized increased bone density
5043 Advanced or accelerated bone age
List of Tables

5044 Bone age retardation (postneonatal period)
5045 Dysharmonie bone age
5046 Localized bone-growth retardation or arrest
5047 Generalized increased length of bones
5048 Isolated increased growth of long bones
5049 Bone lesion in a single long bone
5050 Multiple radiolucent areas in a single bone
5051 Bubbly or cystic lesion of bone
5052 Polyostotic bone lesions
5053 Moth-eaten, osteolytic, destructive bone lesions
5054 Bone infarcts
5055 Tumor within bone
5056 Osteoblastic metastasis
5057 Bowing of long bones (single or multiple)
5058 Slender or overconstricted metadiaphysis
5059 Pathologic fracture
5060 Pseudofractures (Looser’s zones, Milkman’s syndrome)
5061 Pseudoarthrosis in a long bone
5062 Rachitic changes in bones
5063 Clavicular abnormalities
5064 Abnormalities of scapula
5065 Proximal, medial humeral notch
5066 Proximal radioulnar abnormalities
5067 Radial bone abnormalities with other congenital malformations
5068 Ulnar defects with other congenital malformations
5069 Short metacarpal or metatarsal bones
5070 Abnormalities of the carpal angle
5071 Phalangeal osteolysis (unilateral, bilateral or multiple injury)
5072 Absence of digits (and radius)
5073 Abnormal phalanges (absent or hypoplastic phalanges; triphalangeal thumb)
5074 Postaxial polydactyly
5075 Preaxial polydactyly
5076 Wide pubic symphysis
5077 Small acetabular and iliac angles
5078 Protrusio acetabuli
5079 Avascular necrosis or fragmentation of the femoral head epiphysis
5080 Dislocated hip joint (unilateral or bilateral)
5081 Slipped femoral epiphysis

XVI

List of Tables

5082 Coxa valga (unilateral or bilateral)
5083 Coxa vara (unilateral or bilateral)
5084 Genu valgum (knock-knees)
5085 Genu varum (bowed legs)
5086 Synovitis of hip joint
5087 Effusion of joint(s)
5088 Dislocation of joints
5089 Pescavus
5090 Thin and slender ribs
5091 The short rib
5092 Rib notching or erosions
5093 Modulation changes of ribs
5094 Lytic, lucent lesions of ribs
5095 Affected muscular to fat ratio
5096 Body asymmetry
5097 Thickening of the heel pad
5098 Calcifications in soft tissue(s)
5099 Congenital platyspondylia (multiple vertebrae)
5100 Beaked or hook-shaped vertebrae
5101 Generalized osteopenia of spine
5102 Multiple collapsed vertebrae
5103 Single vertebra plana - acquired platyspondylia
5104 Destruction of vertebral bodies
5105 Osteolytic process of spine
5106 Increased density of vertebra(e)
5107 Step deformity of vertebra
5108 Bone-within-bone appearance
5109 Increased concavity or irregular posterior vertebral body(ies)
5110 Asymmetric or absent pedicle
5111 Increased interpediculate distance
5112 Large vertebral foramen
5113 Scoliosis
5114 Kyphosis
5115 Atlantoaxial instability, subluxation or dislocation
5116 Osteolytic process of the cervical spine
5117 Hemivertebra in the thorax
5118 Intervertebral disc narrowing
5119 Intervertebral disc calcification

XVII

List of Tables

5120 Sacral lesions
5121 Presacral mass
5122 Paraspinal soft-tissue mass

6 Head
Including: Eye, Mastoid, and Middle Ear

6001 Large cranium - macrocrania
6002 Small cranium - microcrania
6003 Separation of skull sutures
6004 Increased intracranial pressure
6005 Wide or delayed closure of cranial sutures
6006 Cramosynostosis
6007 Narrow or overlapping sutures in the newborn period
6008 Thick cranial bones
6009 Dense cranial bones with wide sutures
6010 Thick calvarial base
6011 Localized thickening of calvarial bones
6012 Frontal bossing
6013 'Flair on end' pattern of cranial bones
6014 Defective cranial ossification
6015 Cramolacuma - Lückenschädel
6016 Localized thinning of cranial bones
6017 Osteolytic, punched-out lesion(s) of the cranial bones
6018 Multiple, osteolytic, ill-defined lesions of the skull
6019 Short calvarial base
6020 Hypoplasia of base of skull
6021 Enlarged posterior cranial fossa
6022 Small or shallow posterior cranial fossa
6023 Small sella turcica
6024 Enlarged sella turcica
6025 J-shaped sella turcica
6026 Wide dorsum sellae turcicae
6027 Intracranial calcifications
6028 Calcifications in and around the sella turcica
6029 Calcifications of the falx cerebri
6030 Complications of skull fracture
6031 Increased number of wormian bones

XVIII

List of Tables

6032 Small or shallow orbital cavity
6033 Large orbital cavity
6034 Calcifications within the orbit
6035 Exophthalmos
6036 Hypotelorism
6037 Hypertelorism
6038 Destructive lesion of middle ear and/or mastoid

XIX

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