



# **MALAYSIAN RARE DISEASE LIST**

The list was last update in March 2023 and will be updated from time to time by The National Rare Disease Committee, Ministry of Health Malaysia

**Source : Medical Development Division, Ministry of Health Malaysia**

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## MALAYSIAN RARE DISEASE LIST

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Source: Medical Development Division, Ministry of Health, Malaysia

### 1. RARE INHERITED METABOLIC DISEASES

| No   | Disease name                                                                   | ICD 10 code |
|------|--------------------------------------------------------------------------------|-------------|
| 1.1  | Urea cycle disorders                                                           | E72.2       |
| 1.2  | Glutaric aciduria type 1                                                       | E72.3       |
| 1.3  | Propionic aciduria                                                             | E71.1       |
| 1.4  | Methylmalonic aciduria                                                         | E71.1       |
| 1.5  | Isovaleric aciduria                                                            | E71.1       |
| 1.6  | 3-Hydroxy-3-methylglutaric aciduria (HMG-CoA lyase deficiency)                 | E71.1       |
| 1.7  | Maple syrup urine disease                                                      | E71.0       |
| 1.8  | Phenylalanine hydroxylase deficiency (Classical phenylketonuria)               | E71.0       |
| 1.9  | Tyrosinaemia type I                                                            | E70.2       |
| 1.10 | Alkaptonuria                                                                   | E70.2       |
| 1.11 | Cystathionine beta-synthase deficiency (classical homocystinuria)              | E72.1       |
| 1.12 | Isolated sulfite oxidase deficiency                                            | E72.1       |
| 1.13 | Phosphoglycerate dehydrogenase deficiency (serine deficiency disorders)        | E72.8       |
| 1.14 | Nonketotic hyperglycinaemia                                                    | E72.5       |
| 1.15 | Ornithine aminotransferase deficiency (Gyrate atrophy of retina and choroidae) | E72.4       |
| 1.16 | Lysinuric protein intolerance                                                  | E72.3       |
| 1.17 | Cystinuria                                                                     | E72.0       |
| 1.18 | Classical galactosaemia                                                        | E74.2       |
| 1.19 | Hereditary fructose intolerance                                                | E74.1       |
| 1.20 | Transaldolase deficiency                                                       | E74.9       |
| 1.21 | Glycerol kinase deficiency                                                     | E74.9       |
| 1.22 | Glucose transporter I deficiency                                               | E74.9       |
| 1.23 | Glucose-galactose malabsorption                                                | E74.3       |
| 1.24 | Fructose-1,6-bisphosphatase deficiency                                         | E74.1       |
| 1.25 | Pyruvate carboxylase deficiency                                                | E74.4       |
| 1.26 | Glycogen storage disease type 1a                                               | E74.0       |

| No   | Disease name                                                                                       | ICD 10 code |
|------|----------------------------------------------------------------------------------------------------|-------------|
| 1.27 | Glycogen storage disease type 1b                                                                   | E74.0       |
| 1.28 | Glycogen storage disease type III                                                                  | E74.0       |
| 1.29 | Glycogen storage disease type IV                                                                   | E74.0       |
| 1.30 | Carnitine transporter deficiency                                                                   | E71.3       |
| 1.31 | Carnitine palmitoyltransferase I (CPTI) deficiency                                                 | E71.3       |
| 1.32 | Carnitine acylcarnitine translocase deficiency                                                     | E71.3       |
| 1.33 | Carnitine palmitoyltransferase II (CPTII) deficiency                                               | E71.3       |
| 1.34 | Very long - chain acyl CoA dehydrogenase deficiency                                                | E71.3       |
| 1.35 | Medium - chain acyl CoA dehydrogenase deficiency                                                   | E71.3       |
| 1.36 | Mitochondrial trifunctional protein deficiency                                                     | E71.3       |
| 1.37 | Multiple acyl-CoA dehydrogenase deficiency                                                         | E71.3       |
| 1.38 | Succinyl-CoA:3-Oxoacid-CoA transferase (SCOT) deficiency                                           | E79.8       |
| 1.39 | Malonyl CoA decarboxylase deficiency                                                               | E79.8       |
| 1.40 | Pyruvate dehydrogenase complex deficiency                                                          | E74.4       |
| 1.41 | Kearns-Sayre syndrome                                                                              | E88.8       |
| 1.42 | Chronic Progressive External Ophthalmoplegia (CPEO)                                                | E88.8       |
| 1.43 | Mitochondrial Encephalopathy Lactic Acidosis and Stroke-like Episodes (MELAS)                      | E88.8       |
| 1.44 | Myoclonic Epilepsy Associated with Ragged Red Fibres (MERRF)                                       | E88.8       |
| 1.45 | Neuropathy Ataxia and Retinitis Pigmentosa (NARP)                                                  | E88.8       |
| 1.46 | Leber's Hereditary Optic Neuropathy (LHON)                                                         | E88.8       |
| 1.47 | Leigh Syndrome                                                                                     | E88.8       |
| 1.48 | Mitochondrial DNA Depletion Syndromes                                                              | E88.8       |
| 1.49 | Primary mitochondrial disorders                                                                    | E88.8       |
| 1.50 | Primary Coenzyme Q10 deficiency                                                                    | E88.8       |
| 1.51 | Ethylmalonic encephalopathy (ETHE1)                                                                | E88.8       |
| 1.52 | Creatine biosynthesis defect                                                                       | E88.8       |
| 1.53 | Adenylosuccinate lyase deficiency                                                                  | E79.8       |
| 1.54 | Adenosine deaminase deficiency                                                                     | E79.8       |
| 1.55 | Purine nucleoside phosphorylase [PNP] deficiency                                                   | D81.5       |
| 1.56 | Deoxyguanosine kinase deficiency                                                                   | E79.8       |
| 1.57 | Lesch-Nyhan syndrome                                                                               | E79.1       |
| 1.58 | Thymidine phosphorylase deficiency [Mitochondrial neurogastrointestinal encephalomyopathy (MNGIE)] | E79.8       |
| 1.59 | Thymidine kinase 2 deficiency                                                                      | E79.8       |

| No   | Disease name                                                               | ICD 10 code |
|------|----------------------------------------------------------------------------|-------------|
| 1.60 | Aicardi-Goutières syndrome (AGS)                                           | E88.8       |
| 1.61 | Smith - Lemli - Opitz syndrome                                             | Q87.1       |
| 1.62 | X-linked dominant chondrodysplasia punctata 2 (Conradi-Hunermann syndrome) | Q77.3       |
| 1.63 | Cerebrotendinous xanthomatosis                                             | E75.5       |
| 1.64 | Porphyria                                                                  | E80.0       |
| 1.65 | Congenital disorders of glycosylation                                      | E74.4       |
| 1.66 | MPS I, Hurler, Scheie disease                                              | E76.0       |
| 1.67 | MPS II, Hunter disease                                                     | E76.1       |
| 1.68 | MPS IIIA, Sanfilippo A disease                                             | E76.2       |
| 1.69 | MPS IIIB, Sanfilippo B disease                                             | E76.2       |
| 1.70 | MPS IIIC, Sanfilippo C disease                                             | E76.2       |
| 1.71 | MPS IIID, Sanfilippo D disease                                             | E76.2       |
| 1.72 | MPS IVA, Morquio A disease                                                 | E76.2       |
| 1.73 | MPS VI, Maroteaux-Lamy disease                                             | E76.2       |
| 1.74 | MPS VII, Sly disease                                                       | E76.2       |
| 1.75 | Fucosidosis                                                                | E77.1       |
| 1.76 | Sialidosis                                                                 | E77.1       |
| 1.77 | GM1 - gangliosidosis                                                       | E75.1       |
| 1.78 | GM2 - gangliosidosis                                                       | E75.0       |
| 1.79 | Gaucher disease                                                            | E75.2       |
| 1.80 | Krabbe disease                                                             | E75.2       |
| 1.81 | Metachromatic leukodystrophy                                               | E75.2       |
| 1.82 | Fabry disease                                                              | E75.2       |
| 1.83 | Niemann-Pick disease type A or B                                           | E75.2       |
| 1.84 | Niemann-Pick disease type C                                                | E75.2       |
| 1.85 | CLN1, Santavuori-Haltia disease                                            | E75.4       |
| 1.86 | CLN2, Jansky-Bielschowsky disease                                          | E75.4       |
| 1.87 | CLN3, Batten Spielmeier-Vogt disease                                       | E75.4       |
| 1.88 | Neuronal ceroid lipofuscinoses type 6, CLN 6                               | E75.4       |
| 1.89 | Neuronal ceroid lipofuscinoses type 7, CLN 7                               | E75.4       |
| 1.90 | Cystinosis                                                                 | E72.0       |
| 1.91 | Mucopolidosis II, I-cell disease                                           | E77.0       |
| 1.92 | Mucopolidosis III, Pseudo-Hurler polydystrophy                             | E77.0       |

| No    | Disease name                                                        | ICD 10 code |
|-------|---------------------------------------------------------------------|-------------|
| 1.93  | Multiple sulphatase deficiency                                      | E76.2       |
| 1.94  | Wolman/cholesterol ester storage disease                            | E75.5       |
| 1.95  | Pompe disease, GSD type II                                          | E74.0       |
| 1.96  | Galactosialidosis                                                   | E77.1       |
| 1.97  | Pycnodysostosis                                                     | E88.8       |
| 1.98  | Hermansky-Pudlak Syndrome                                           | E70.3       |
| 1.99  | Zellweger spectrum disorder                                         | Q87.8       |
| 1.100 | Rhizomelic chondrodysplasia punctata                                | Q77.3       |
| 1.101 | X-linked adrenoleukodystrophy                                       | E71.3       |
| 1.102 | Peroxisomal fatty acid oxidation defects                            | E88.8       |
| 1.103 | Refsum disease                                                      | G60.1       |
| 1.104 | Primary hyperoxaluria type I                                        | E88.8       |
| 1.105 | Tyrosine hydroxylase deficiency                                     | E70.8       |
| 1.106 | Aromatic L-amino acid decarboxylase deficiency                      | E72.8       |
| 1.107 | Succinic semialdehyde dehydrogenase deficiency                      | E72.2       |
| 1.108 | GABA transaminase deficiency                                        | E72.8       |
| 1.109 | Guanosine 5 triphosphate cyclohydrolase I deficiency                | E70.1       |
| 1.110 | 6-Pyruvoyl-tetrahydropterin synthase deficiency                     | E74.4       |
| 1.111 | Sepiapterin reductase deficiency                                    | E70.1       |
| 1.112 | Methylenetetrahydrofolate reductase deficiency                      | E71.1       |
| 1.113 | Disorder of cobalamin absorption due to intrinsic factor deficiency | D51.1       |
| 1.114 | Defect in adenosylcobalamin synthesis-cbl A                         | E71.1       |
| 1.115 | Defect in adenosylcobalamin synthesis-cbl B                         | E71.1       |
| 1.116 | Disorders of intracellular cobalamin metabolism                     | E72.8       |
| 1.117 | Biotinidase deficiency                                              | D81.8       |
| 1.118 | Holocarboxylase synthetase deficiency                               | D81.8       |
| 1.119 | Pyridoxine-dependent seizures (antiquitin deficiency)               | D88.8       |
| 1.120 | Pyridoxal 5'-phosphate deficiency                                   | E53.1       |
| 1.121 | Molybdenum cofactor deficiency                                      | E79.8       |
| 1.122 | Menkes syndrome                                                     | E83.0       |
| 1.123 | Fanconi-Bickel disease (GLUT-2 deficiency)                          | E74.0       |



## 2. RARE NEUROLOGICAL & NEUROMUSCULAR DISEASES

| No   | Disease name                                                         | ICD 10 code |
|------|----------------------------------------------------------------------|-------------|
| 2.1  | Pelizaeus-Merzbacher disease                                         | E75.2       |
| 2.2  | Rett syndrome                                                        | F84.2       |
| 2.3  | Huntington's disease                                                 | G10.0       |
| 2.4  | Spinocerebellar ataxia                                               | G11.0       |
| 2.5  | Friedreich's ataxia                                                  | G11.1       |
| 2.6  | Ataxia telangiectasia                                                | G11.3       |
| 2.7  | Hereditary spastic paraplegia                                        | G11.4       |
| 2.8  | Spinal muscular atrophy                                              | G12.0       |
| 2.9  | Amyotrophic lateral sclerosis (ALS)                                  | G12.2       |
| 2.10 | Multiple sclerosis                                                   | G35.0       |
| 2.11 | Alexander disease                                                    | G37.8       |
| 2.12 | Charcot-Marie-Tooth disease                                          | G60.0       |
| 2.13 | Congenital insensitivity to pain with anhidrosis (CIPA)              | G60.9       |
| 2.14 | Myotonia dystrophica                                                 | G71.1       |
| 2.15 | Hypokalaemic periodic paralysis                                      | G72.3       |
| 2.16 | Joubert syndrome                                                     | Q04.9       |
| 2.17 | Tuberous sclerosis                                                   | Q85.1       |
| 2.18 | Neurofibromatosis type I                                             | Q85.5       |
| 2.19 | Neurofibromatosis type II                                            | Q85.5       |
| 2.20 | Acute necrotizing encephalopathy of childhood                        | G31.8       |
| 2.21 | Alternating hemiplegia of childhood                                  | G98         |
| 2.22 | Ataxia with vitamin E deficiency                                     | G11.1       |
| 2.23 | Autoimmune encephalitis                                              | G04.81      |
| 2.24 | Autosomal dominant nocturnal frontal lobe epilepsy                   | G40.0       |
| 2.25 | Dopa-responsive dystonia                                             | G24.1       |
| 2.26 | Bickerstaff's brainstem encephalitis                                 | G61.0       |
| 2.27 | Canavan disease                                                      | E75.2       |
| 2.28 | Childhood absence epilepsy                                           | G40.3       |
| 2.29 | Childhood ataxia with diffuse central nervous system hypomyelination | E75.2       |
| 2.30 | Chronic inflammatory demyelinating polyneuropathy                    | G61.8       |
| 2.31 | Complex regional pain syndrome                                       | G56.4       |
| 2.32 | Congenital central hypoventilation syndrome                          | G47.3       |

| No   | Disease name                                                                                                      | ICD 10 code             |
|------|-------------------------------------------------------------------------------------------------------------------|-------------------------|
| 2.33 | Dravet syndrome                                                                                                   | G40.4                   |
| 2.34 | Early infantile epileptic encephalopathy                                                                          | G40.3                   |
| 2.35 | Early myoclonic encephalopathy                                                                                    | G40.4                   |
| 2.36 | Epilepsy of infancy with migrating focal seizures                                                                 | G40.8                   |
| 2.37 | Epilepsy with myoclonic absences                                                                                  | G40.4                   |
| 2.38 | Epilepsy with myoclonic-atonic seizures                                                                           | G40.4                   |
| 2.39 | Epileptic encephalopathy with continuous spike-and-wave during slow sleep                                         | F80.3                   |
| 2.40 | Episodic ataxia                                                                                                   | G11.8                   |
| 2.41 | Febrile infection-related epilepsy syndrome                                                                       | G40.5                   |
| 2.42 | Folinic acid-responsive seizures                                                                                  | G40.3                   |
| 2.43 | Hereditary sensory and autonomic neuropathy                                                                       | G60.8                   |
| 2.44 | Hyperekplexia                                                                                                     | G25.8                   |
| 2.45 | Hypomyelination with atrophy of basal ganglia and cerebellum                                                      | E75.2                   |
| 2.46 | Hypothalamic hamartomas with gelastic seizures                                                                    | G40.5                   |
| 2.47 | Idiopathic acute transverse myelitis                                                                              | G37.3                   |
| 2.48 | Idiopathic torsion dystonia                                                                                       | G24.1                   |
| 2.49 | Infantile spasms                                                                                                  | G40.4                   |
| 2.50 | Juvenile absence epilepsy                                                                                         | G40.3                   |
| 2.51 | Juvenile myoclonic epilepsy                                                                                       | G40.3                   |
| 2.52 | Landau-Kleffner syndrome                                                                                          | F80.3                   |
| 2.53 | Lennox-Gastaut syndrome                                                                                           | G40.4                   |
| 2.54 | Limbic encephalitis with NMDA receptor antibodies                                                                 | G13.1                   |
| 2.55 | Neurodegeneration with brain iron accumulation                                                                    | G23.0                   |
| 2.56 | Neuromyelitis optica                                                                                              | G36.0                   |
| 2.57 | Ohtahara syndrome                                                                                                 | G40.8                   |
| 2.58 | Opsoclonus-myoclonus-ataxia syndrome                                                                              | G25.3                   |
| 2.59 | Primary dystonia                                                                                                  | G24.1                   |
| 2.60 | Progressive myoclonic epilepsy                                                                                    | G40.3                   |
| 2.61 | Rasmussen syndrome                                                                                                | G04.8                   |
| 2.62 | Rapid-onset childhood obesity hypothalamic dysfunction hypoventilation- autonomic dysregulation (ROHHAD) syndrome | E66.2<br>E23.3<br>G90.8 |
| 2.63 | Subacute sclerosing panencephalitis                                                                               | A81.1                   |
| 2.64 | Subependymal giant cell astrocytoma                                                                               | D43.2                   |

| No   | Disease name                                | ICD 10 code |
|------|---------------------------------------------|-------------|
| 2.65 | Benign essential blepharospasm              | G24.5       |
| 2.66 | Early onset generalized dystonia            | G24.9       |
| 2.67 | Focal dystonia                              | G24.9       |
| 2.68 | Rippling muscle disease                     | G71.8       |
| 2.69 | Narcolepsy                                  | G47.4       |
| 2.70 | Paraneoplastic neuromyopathy and neuropathy | G13.0       |
| 2.71 | Myasthenia gravis                           | G70.0       |
| 2.72 | Bethlem myopathy                            | G71.0       |
| 2.73 | Central core disease                        | G71.2       |
| 2.74 | Centronuclear myopathy                      | G71.2       |
| 2.75 | Congenital muscular dystrophy               | G71.2       |
| 2.76 | Desmin-related myofibrillar myopathy        | G71.8       |
| 2.77 | Multiminicore myopathy                      | G71.2       |
| 2.78 | Myotonia congenita                          | G71.1       |
| 2.79 | Myotonic dystrophy                          | G71.1       |
| 2.80 | Duchenne muscular dystrophy                 | G71.0       |
| 2.81 | Nemaline Rod Myopathy                       | G71.2       |
| 2.82 | Schwartz Jampel syndrome                    | G78.8       |
| 2.83 | Facioscapulohumeral Muscular Dystrophy      | G71.1       |
| 2.84 | Myotubular Myopathy                         | G71.2       |
| 2.85 | Becker Muscular Dystrophy                   | G71.0       |
| 2.86 | Limb-girdle Muscular Dystrophy              | G71.0       |
| 2.87 | Congenital myasthenic syndrome              | G70.2       |
| 2.88 | Leukodystrophy                              | E75.2       |

### 3. RARE SKIN DISEASES

| No  | Disease name           | ICD 10 code |
|-----|------------------------|-------------|
| 3.1 | Epidermolysis bullosa  | Q81.0       |
| 3.2 | Inherited ichthyosis   | Q80.0       |
| 3.3 | Ectodermal dysplasias  | Q82.4       |
| 3.4 | Dyskeratosis congenita | Q82.8       |
| 3.5 | Incontinentia pigmenti | Q82.3       |
| 3.6 | Netherton syndrome     | Q82.8       |



| No   | Disease name                                                                                                                                                                                                                                                                                                                                                    | ICD 10 code                                                        |
|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| 3.7  | Xeroderma pigmentosum                                                                                                                                                                                                                                                                                                                                           | Q82.1                                                              |
| 3.8  | Congenital generalized lipodystrophy                                                                                                                                                                                                                                                                                                                            | E88.1                                                              |
| 3.9  | Acrodermatitis enteropathica                                                                                                                                                                                                                                                                                                                                    | E83.2                                                              |
| 3.10 | Albinism                                                                                                                                                                                                                                                                                                                                                        | E70.3                                                              |
| 3.11 | PTEN hamartoma tumour syndrome                                                                                                                                                                                                                                                                                                                                  | E71.440                                                            |
| 3.12 | Klippel-Trenaunay syndrome                                                                                                                                                                                                                                                                                                                                      | Q87.2                                                              |
| 3.13 | Keratitis-Ichthyosis-Deafness (KID) syndrome                                                                                                                                                                                                                                                                                                                    | Q80                                                                |
| 3.14 | Congenital hemidysplasia with ichthyosiform erythroderma and limb defects (CHILD syndrome)                                                                                                                                                                                                                                                                      | Q77.3                                                              |
| 3.15 | Gorlin syndorome                                                                                                                                                                                                                                                                                                                                                | Q85                                                                |
| 3.16 | Complex vascular malformation                                                                                                                                                                                                                                                                                                                                   | D18.0                                                              |
| 3.17 | Autoimmune blistering disease <ul style="list-style-type: none"> <li>• Bullous pemphigoid</li> <li>• Pemphigus vulgaris</li> <li>• Pemphigus foliaceus</li> <li>• Linear IgA bullous dermatosis</li> <li>• Epidermolysis bullosa acquisita</li> <li>• Dermatitis herpetiformis</li> <li>• Paraneoplastic pemphigus</li> <li>• Cicatricial pemphigoid</li> </ul> | L12.0<br>L10.0<br>L10.2<br>L13.8<br>L12.3<br>L13.0<br>L10<br>H13.3 |
| 3.18 | H syndrome                                                                                                                                                                                                                                                                                                                                                      | Q82.9                                                              |
| 3.19 | Generalized pustular psoriasis                                                                                                                                                                                                                                                                                                                                  | L40.1                                                              |
| 3.20 | Hailey-hailey disease/Benign familial pemphigus                                                                                                                                                                                                                                                                                                                 | L11.8                                                              |
| 3.21 | Darier's disease                                                                                                                                                                                                                                                                                                                                                | L11.8                                                              |
| 3.22 | Pyoderma gangrenosum                                                                                                                                                                                                                                                                                                                                            | L08.0                                                              |
| 3.23 | Porokeratosis                                                                                                                                                                                                                                                                                                                                                   | Q82.8                                                              |

#### 4. RARE ENDOCRINE DISEASES

| No  | Disease name                    | ICD 10 code |
|-----|---------------------------------|-------------|
| 4.1 | Pseudohypoparathyroidism        | E20.1       |
| 4.2 | hypophosphatemic rickets        | E83.3       |
| 4.3 | Laron syndrome (Laron Dwarfism) | E34.3       |
| 4.4 | Bardet-Biedl syndrome           | Q87.8       |
| 4.5 | Congenital hyperinsulinism      | E16.1       |
| 4.6 | Congenital adrenal hypoplasia   | Q89.1       |

| No   | Disease name                                                                                        | ICD 10 code             |
|------|-----------------------------------------------------------------------------------------------------|-------------------------|
| 4.7  | Congenital adrenal hyperplasia                                                                      | E25.0                   |
| 4.8  | Kallmann syndrome                                                                                   | E23.0                   |
| 4.9  | Adrenocortical carcinoma                                                                            | C74.9                   |
| 4.10 | Craniopharyngioma                                                                                   | D44.4                   |
| 4.11 | Disorders of sex development                                                                        | Q56.4                   |
| 4.12 | Neonatal diabetes                                                                                   | P70.2                   |
| 4.13 | Pallister-Hall syndrome                                                                             | D33.0                   |
| 4.14 | Cushing disease/syndrome                                                                            | E24.0                   |
| 4.15 | Acromegaly/gigantism                                                                                | E22.0                   |
| 4.16 | Neuroendocrine neoplasm                                                                             | C7A.1                   |
| 4.17 | Pheochromocytoma                                                                                    | C74.1                   |
| 4.18 | Paraganglioma                                                                                       | D44.7                   |
| 4.19 | Familial endocrine tumour syndrome (multiple endocrine neoplasia)                                   | E31.2                   |
| 4.20 | Central diabetes insipidus                                                                          | E23.2                   |
| 4.21 | Nephrogenic diabetes insipidus                                                                      | N25.1                   |
| 4.22 | Primary adrenocortical insufficiency                                                                | E27.1                   |
| 4.23 | Polyostotic fibrous dysplasia (McCune-Albright syndrome)                                            | Q78.1                   |
| 4.24 | Alstrom syndrome                                                                                    | E34.8                   |
| 4.25 | Primary pituitary hypophysitis                                                                      | E23.6                   |
| 4.26 | ROHHAD Rapid-onset Obesity with Hypothalamic dysfunction<br>Hypoventilation Autonomic Dysregulation | E66.2<br>E23.3<br>G90.8 |
| 4.27 | Vitamin D dependent rickets type 2                                                                  | E83.3                   |
| 4.28 | Pseudohypoaldosteronism type 1                                                                      | N25.8                   |
| 4.29 | Wolfram syndrome (DIDMOAD)                                                                          | E34.8                   |
| 4.30 | Familial hypercholesterolemia (severe homozygous/autosomal recessive)                               | E78.01                  |
| 4.31 | Congenital generalised lipodystrophy (Berardinelli-Seip syndrome)                                   | E88.1                   |
| 4.32 | Donohue syndrome (Leprechaunism)                                                                    | E34.8                   |

## 5. RARE DISEASES AFFECTING BONE, CARTILAGE AND CONNECTIVE TISSUE

| No  | Disease name                                     | ICD 10 code |
|-----|--------------------------------------------------|-------------|
| 5.1 | Hypophosphatasia                                 | E83.39      |
| 5.2 | Achondroplasia                                   | Q77.4       |
| 5.3 | Osteogenesis imperfecta                          | Q78.0       |
| 5.4 | Ehlers-Danlos syndrome                           | Q79.6       |
| 5.5 | Osteochondrodysplasias (Primary bone dysplasias) | Q78         |
| 5.6 | Osteopetrosis                                    | Q78.2       |
| 5.7 | Syndromic craniosynostosis                       | Q75.0       |

## 6. RARE RHEUMATOLOGICAL DISEASES

| No   | Disease name                                                              | ICD 10 code |
|------|---------------------------------------------------------------------------|-------------|
| 6.1  | Acquired purpura fulminans                                                | D65         |
| 6.2  | Kawasaki disease                                                          | M30.3       |
| 6.3  | Pigmented villonodular synovitis                                          | M12.2       |
| 6.4  | Osteonecrosis                                                             | M87         |
| 6.5  | Polymyalgia Rheumatica                                                    | M35.3       |
| 6.6  | Felty Syndrome                                                            | M05.0       |
| 6.7  | Dermatomyositis                                                           | M33.0       |
| 6.8  | Polymyositis                                                              | M33.2       |
| 6.9  | Inflammatory Inclusion body myositis                                      | M60.8       |
| 6.10 | Primary Sjogren syndrome                                                  | M35.0       |
| 6.11 | Acquired thrombotic thrombocytopenic purpura                              | M31.1       |
| 6.12 | Juvenile Idiopathic Arthritis                                             | M08.0       |
| 6.13 | Idiopathic juvenile osteoporosis                                          | M81.5       |
| 6.14 | SAPHO syndrome                                                            | M86.3       |
| 6.15 | Adult-onset Stills disease                                                | M06.1       |
| 6.16 | Diffuse Systemic sclerosis                                                | M34.0       |
| 6.17 | Systemic polyarteritis nodosa                                             | M30.0       |
| 6.18 | Autoimmune necrotising myositis                                           | G72.4       |
| 6.19 | Paediatric systemic lupus erythematosus                                   | M32.0       |
| 6.20 | Pulmonary arterial hypertension associated with connective tissue disease | I27.2       |
| 6.21 | Pyogenic arthritis-pyoderma gangrenosum-acne syndrome                     | M04.8       |

| No   | Disease name                                                                       | ICD 10 code     |
|------|------------------------------------------------------------------------------------|-----------------|
| 6.22 | Pauci immune glomerulonephritis                                                    | N05.7           |
| 6.23 | Pediatric Castleman disease                                                        | D36.0           |
| 6.24 | PFAPA (Periodic fever - aphthous stomatitis-pharyngitis - adenopathy) syndrome     | E85.0           |
| 6.25 | Henoch Schonlein Purpura                                                           | D69.0           |
| 6.26 | Takayasu arteritis                                                                 | M31.4           |
| 6.27 | Beh et disease                                                                     | M35.2           |
| 6.28 | Hyperimmunoglobulin D with periodic fever                                          | E85.0           |
| 6.29 | Eosinophilic granulomatosis with polyangiitis*                                     | M30.1           |
| 6.30 | Microscopic polyangiitis                                                           | M31.7           |
| 6.31 | Primary vasculitis of central nervous system                                       | I67.7           |
| 6.32 | Mixed connective tissue disease                                                    | M35.1           |
| 6.33 | NLRP-12 associated hereditary periodic fever syndrome                              | E85.0           |
| 6.34 | Catastrophic antiphospholipid syndrome                                             | D68.6           |
| 6.35 | Blau syndrome                                                                      | M04.8           |
| 6.36 | Sarcoidosis                                                                        | D86.0           |
| 6.37 | Chronic nonbacterial osteomyelitis<br>(Chronic recurrent multifocal osteomyelitis) | M86.3           |
| 6.38 | Majeed syndrome                                                                    | M04.8           |
| 6.39 | Granulomatosis with polyangiitis                                                   | M31.3           |
| 6.40 | IgG4 related disease                                                               | M35.0<br>D89.89 |
| 6.41 | Giant cell arteritis                                                               | M31.5           |
| 6.42 | Ankylosing spondylitis                                                             | M45.0-9         |
| 6.43 | Rheumatoid arthritis                                                               | M05             |
| 6.44 | Systemic lupus erythematosus                                                       | M32             |
| 6.45 | Raynaud's syndrome                                                                 | I73             |
| 6.46 | Psoriatic arthritis                                                                | L40.5           |

## 7. RARE HEMATOLOGICAL DISEASES

| No  | Disease name                               | ICD 10 code |
|-----|--------------------------------------------|-------------|
| 7.1 | Atypical haemolytic uremic syndrome (aHUS) | D58.8       |
| 7.2 | Paroxysmal nocturnal haemoglobinuria (PNH) | D59.5       |
| 7.3 | Haemophilia with inhibitor                 | D66         |

| No   | Disease name                                             | ICD 10 code |
|------|----------------------------------------------------------|-------------|
| 7.4  | Primary thrombophilia                                    | D68.5       |
| 7.5  | Glanzmann thrombasthenia                                 | D69.1       |
| 7.6  | Erdheim-Chester disease (non-LCH)                        | D76.3       |
| 7.7  | Multicentric Castleman Disease                           | D36.0       |
| 7.8  | Wiskot-Aldrich syndrome                                  | D82.0       |
| 7.9  | Acquired haemophilia                                     | D68.4       |
| 7.10 | Autosomal recessive thrombotic thrombocytopaenic purpura | M31.1       |
| 7.11 | Acquired thrombotic thrombocytopaenic purpura            | M31.1       |
| 7.12 | Langerhans cell histiocytosis (LCH)                      | C96.0       |
| 7.13 | Haemophagocytic lymphohistiocytosis (HLH)                | D76.1       |
| 7.14 | Severe aplastic anaemia (SAA)                            | D61.9       |
| 7.15 | POEMS syndrome                                           | D47.7       |
| 7.16 | AL amyloidosis                                           | E85.9       |
| 7.17 | Cold haemagglutinin disease (CHAD)                       | D59.1       |
| 7.18 | Diamond Blackfan Anemia (DBA)                            | D61.01      |

## 8. RARE IMMUNOLOGICAL DISEASES

| No  | Disease name                                                             | ICD 10 code |
|-----|--------------------------------------------------------------------------|-------------|
| 8.1 | Functional Disorders of Polymorphonuclear Neutrophils                    | D71         |
| 8.2 | Immunodeficiency with Predominantly Antibody Defects                     | D80         |
| 8.3 | Combined Immunodeficiencies                                              | D81         |
| 8.4 | Immunodeficiency associated with other major defects                     | D82         |
| 8.5 | Common Variable Immunodeficiency                                         | D83         |
| 8.6 | Other Immunodeficiencies                                                 | D84         |
| 8.7 | Other Disorders Involving the Immune Mechanism, not elsewhere classified | D89         |

## 9. RARE PULMONARY DISORDERS

| No  | Disease name                       | ICD 10 code |
|-----|------------------------------------|-------------|
| 9.1 | Cystic fibrosis                    | E84.0       |
| 9.2 | Primary ciliary dyskinesia         | Q34.8       |
| 9.3 | Idiopathic pulmonary hemosiderosis | E83.1       |



| No  | Disease name                      | ICD 10 code |
|-----|-----------------------------------|-------------|
| 9.4 | Congenital aerodigestive disease  | J39.8       |
| 9.5 | Primary interstitial lung disease | J84.9       |

#### 10. RARE CARDIAC DISEASE

| No   | Disease name           | ICD 10 code |
|------|------------------------|-------------|
| 10.1 | Brugada syndrome       | I49.8       |
| 10.2 | Primary cardiomyopathy | I42.9       |

#### 11. RARE RENAL DISEASES

| No    | Disease name                                                     | ICD 10 code |
|-------|------------------------------------------------------------------|-------------|
| 11.1  | Autosomal recessive polycystic kidney disease                    | Q61.1       |
| 11.2  | Autosomal dominant polycystic kidney disease                     | Q61.2       |
| 11.3  | Alport Syndrome                                                  | Q87.8       |
| 11.4  | Anti-glomerular basement membrane disease (Goodpasture)          | N08.8       |
| 11.5  | Atypical Haemolytic Uraemic Syndrome                             | D58         |
| 11.6  | Autosomal recessive distal renal tubular acidosis                | N25.8       |
| 11.7  | Autosomal recessive proximal renal tubular acidosis              | N25.8       |
| 11.8  | Autosomal recessive polycystic kidney disease                    | Q61.1       |
| 11.9  | (ARPKD) Batters syndrome                                         |             |
| 11.10 | Bardet-Biedl syndrome                                            | Q87.8       |
| 11.11 | Bartter syndrome                                                 | E26.8       |
| 11.12 | BK-Virus Nephropathy                                             | B97.89      |
| 11.13 | Congenital nephropatic syndrome Finnish type                     | N04.8       |
| 11.14 | Cystinosis                                                       | E72.0       |
| 11.15 | Dense deposit disease (DDD)                                      | N04.6       |
| 11.16 | Denys-Drash Syndrome                                             | N04.1       |
| 11.17 | Dent Disease                                                     | N25.8       |
| 11.18 | Exstrophy of bladder                                             | Q64.1       |
| 11.19 | Fabry disease                                                    | E75.2       |
| 11.20 | Fanconi Anaemia                                                  | D61.0       |
| 11.21 | Fanconi syndrome                                                 | E72.0       |
| 11.22 | Familial hypomagnesaemia with hypercalciuria and nephrocalciuria | E83.4       |

| No    | Disease name                                                                  | ICD 10 code   |
|-------|-------------------------------------------------------------------------------|---------------|
| 11.23 | Focal segmental glomerulosclerosis                                            | N04.1         |
| 11.24 | Frasier syndrome                                                              | N04.1         |
| 11.25 | Giant vessel / Giant cell arteritis                                           | M31.6         |
| 11.26 | Gitelman syndrome                                                             | N15.8         |
| 11.27 | Hypophosphatemic rickets (X-linked)                                           | E83.3         |
| 11.28 | IgA vasculitis (Henoch Schonlein)                                             | D69.0         |
| 11.29 | Large vessel vasculitis                                                       | D69.0         |
| 11.30 | Lesch Nyhan Syndrome                                                          | E79.1         |
| 11.31 | Liddle syndrome                                                               | I15.1         |
| 11.32 | Lowe's syndrome                                                               | E72.0         |
| 11.34 | Medium vessel vasculitis                                                      | D69.0         |
| 11.35 | Membranous nephropathy                                                        | N04.2         |
| 11.36 | Membranoproliferative glomerulonephritis                                      | N00.5         |
| 11.37 | Microscopic polyangiitis                                                      | M31.7         |
| 11.38 | Minimal change nephropathy                                                    | N04.0         |
| 11.39 | Multicystic dysplastic kidneys (bilateral)                                    | Q61.4         |
| 11.40 | Nail patella syndrome                                                         | Q87.2         |
| 11.41 | Nephropathic cystinosis                                                       | E72.0         |
| 11.42 | Nephrogenic diabetes insipidus                                                | N25.1         |
| 11.43 | Nephrogenic syndrome of inappropriate antidiuresis                            | E22.2         |
| 11.44 | Nephronophthisis                                                              | Q61.5         |
| 11.45 | Primary hyperoxaluria                                                         | E74.8         |
| 11.46 | Prune belly syndrome                                                          | Q79.4         |
| 11.47 | Pure red cell aplasia                                                         | D60.0         |
| 11.48 | Renal agenesis                                                                | Q60.0 - Q60.2 |
| 11.49 | Renal coloboma syndrome                                                       | Q60.4         |
| 11.50 | Shiga Toxin associated hemolytic uremic syndrome                              | D58.8         |
| 11.51 | Small vessel vasculitis (ANCA associated)                                     | I77.6         |
| 11.52 | Steroid resistant nephrotic syndrome                                          | N04.9         |
| 11.53 | Steroid sensitive nephrotic syndrome                                          | N04.9         |
| 11.54 | Takayasu arteritis                                                            | M31.4         |
| 11.55 | Tuberous sclerosis                                                            | Q85.1         |
| 11.56 | WAGR (Wilm' tumour, Aniridia, genitourinary anomalies and mental retardation) | Q87.8         |

## 12. RARE GASTROINTESTINAL AND HEPATIC DISEASES

| No   | Disease name                                  | ICD 10 code |
|------|-----------------------------------------------|-------------|
| 12.1 | Progressive familial intrahepatic cholestasis | K76.8       |
| 12.2 | $\alpha$ 1-Antitrypsin deficiency             | E88.01      |
| 12.3 | Congenital bile acid synthesis defect         | E78.70      |
| 12.4 | Wilson's disease                              | E83.0       |
| 12.5 | Hereditary haemochromatosis                   | E83.1       |

## 13. RARE MALFORMATIONS, DEVELOPMENTAL ANOMALIES AND GENETIC SYNDROME

| No    | Disease name                                                                     | ICD 10 code |
|-------|----------------------------------------------------------------------------------|-------------|
| 13.1  | Alagille syndrome                                                                | Q44.7       |
| 13.2  | Beckwith Wiedemann syndrome                                                      | Q87.3       |
| 13.3  | Marfan syndrome                                                                  | Q87.4       |
| 13.4  | Russel silver syndrome                                                           | Q87.1       |
| 13.5  | Mowat-Wilson syndrome                                                            | Q43.1       |
| 13.6  | Noonan syndrome                                                                  | Q87.1       |
| 13.7  | Cornelia de Lange syndrome                                                       | Q87.1       |
| 13.8  | Kabuki syndrome                                                                  | Q87.0       |
| 13.9  | Sotos syndrome                                                                   | Q87.3       |
| 13.10 | Treacher collins syndrome                                                        | Q75.4       |
| 13.11 | Turner syndrome                                                                  | Q96.0       |
| 13.12 | Fragile X syndrome                                                               | Q99.2       |
| 13.13 | Cardiofaciocutaneous syndrome                                                    | Q87.8       |
| 13.14 | Angelman syndrome                                                                | Q93.5       |
| 13.15 | DiGeorge syndrome (22q11.2 deletion syndrome)                                    | D82.1       |
| 13.16 | Prader-Willi syndrome                                                            | Q87.1       |
| 13.17 | WAGR syndrome (Wilms' tumor-Aniridia-Genitourinary anomalies-mental retardation) | Q87.8       |
| 13.18 | Miller-Dieker syndrome                                                           | Q04.3       |
| 13.19 | Rubinstein-Taybi syndrome                                                        | Q87.2       |
| 13.20 | Williams syndrome                                                                | Q93.8       |
| 13.21 | Von Hippel-Lindau disease                                                        | Q85.8       |
| 13.21 | Cockayne syndrome                                                                | Q87.1       |

| No    | Disease name                                                                                 | ICD 10 code |
|-------|----------------------------------------------------------------------------------------------|-------------|
| 13.23 | Hutchinson-Gilford progeria syndrome                                                         | E34.8       |
| 13.24 | Barth syndrome                                                                               | E71.1       |
| 13.25 | Costello syndrome                                                                            | Q87.8       |
| 13.26 | CHARGE syndrome                                                                              | Q87.8       |
| 13.27 | Coffin-Siris syndrome                                                                        | Q87.1       |
| 13.28 | Renal coloboma syndrome                                                                      | Q60.4       |
| 13.29 | Rare chromosomal abnormality with multiple malformations, physical and learning disabilities | Q99.9       |
| 13.30 | Mayer-Rokitansky-Küster-Hauser syndrome                                                      | Q51.8       |

#### 14. RARE INFECTIONS

| No   | Disease name                      | ICD 10 code |
|------|-----------------------------------|-------------|
| 14.1 | Herpes simplex viral encephalitis | B00.4       |
| 14.2 | Extrapulmonary tuberculosis       | A18.89      |

#### 15. RARE CANCER

| No    | Disease name                        | ICD 10 code |
|-------|-------------------------------------|-------------|
| 15.1  | Dermatofibrosarcoma protuberans     | C49.9       |
| 15.2  | Advanced melanoma                   | C43.9       |
| 15.3  | Giant cell tumour of bone           | D48.0       |
| 15.4  | Malignant mesothelioma              | C45.0       |
| 15.5  | Iodine refractory thyroid cancer    | C73         |
| 15.6  | Oligodendroglioma                   | C71.9       |
| 15.7  | Medulloblastoma                     | C71.6       |
|       | <b>ADRENAL GLAND</b>                |             |
| 15.8  | Adrenal Gland Carcinoma             | C74.9       |
| 15.9  | Adrenal cortical carcinoma          | C74.0       |
| 15.10 | Ganglioneuroblastoma                | C74.9       |
| 15.11 | Giant cell sarcoma (except of bone) | C74.9       |
| 15.12 | Large cell neuroendocrine carcinoma | C74.9       |
| 15.13 | Liposarcoma                         | C74.9       |
| 15.14 | Lymphoma                            | C74.9       |

| No    | Disease name                     | ICD 10 code |
|-------|----------------------------------|-------------|
| 15.15 | Neuroblastoma                    | C74.9       |
| 15.16 | Pheochromocytoma                 | C74.9       |
| 15.17 | Primitive neuroectodermal tumor  | C74.9       |
|       | <b>ANUS</b>                      |             |
| 15.18 | Carcinoma of the anus            | C21.0       |
| 15.19 | Melanoma of the anus             | C21.0       |
| 15.20 | Lymphoma                         | C21.0       |
| 15.21 | Neuroendocrine carcinoma         | C21.0       |
| 15.22 | Sarcoma                          | C21.0       |
| 15.23 | Plasmacytoma                     | C21.0       |
|       | <b>BILE DUCT</b>                 |             |
| 15.24 | Carcinoid tumor of the bile duct | C24.0       |
| 15.25 | Klatskin tumor                   | C24.0       |
| 15.26 | Lymphoma                         | C24.0       |
|       | <b>BLADDER</b>                   |             |
| 15.27 | Sarcoma of the bladder           | C67.9       |
| 15.28 | Lymphoma                         | C67.9       |
|       | <b>BONE</b>                      |             |
| 15.29 | All bone tumours                 | C41.9       |
|       | <b>BRAIN</b>                     |             |
| 15.30 | Oligodendroglioma                | C71.9       |
| 15.31 | Ependymoma                       | C71.9       |
| 15.32 | Lymphoma (any other terms)       | C71.9       |
| 15.33 | Medulloblastoma                  | C71.9       |
| 15.34 | Intracranial Germ Cell Tumor     | C71.9       |
| 15.35 | Plasmacytoma                     | C71.9       |
|       | <b>BREAST</b>                    |             |
| 15.36 | Lymphoma                         | C50.9       |
| 15.37 | Carcinoid tumor                  | C50.9       |
| 15.38 | Sarcoma                          | C50.9       |
| 15.39 | Phylloides tumor                 | C50.9       |
|       | <b>BRONCHUS / LUNG</b>           |             |
| 15.40 | Adenoid cystic carcinoma         | C34.9       |
| 15.41 | Carcinoid tumor                  | C34.9       |

| No    | Disease name     | ICD 10 code |
|-------|------------------|-------------|
| 15.42 | Lymphoma         | C34.9       |
| 15.43 | Giant cell tumor | C34.9       |
| 15.44 | Mesothelioma     | C34.9       |

#### 16. RARE EYE DISEASES

| No   | Disease name                         | ICD 10 code |
|------|--------------------------------------|-------------|
| 16.1 | Retinitis pigmentosa                 | H35.5       |
| 16.2 | Familial exudative vitreoretinopathy | H35.0       |
| 16.3 | Norrie disease                       | H35.5       |

#### 17. RARE CARDIAC DISEASES

| No   | Disease name                                   | ICD 10 code    | ICD 11 code        |
|------|------------------------------------------------|----------------|--------------------|
| 17.1 | Transthyretin Amyloid Cardiomyopathy (ATTR-CM) | E85.4<br>142.9 | BC43.20<br>5D00.20 |

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