

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Absence of T & B cells SCID	8	Inherited Disorders	1	Primary immune deficiencies				
Absence of T, normal B cell SCID	8	Inherited Disorders	1	Primary immune deficiencies				
Acquired cytopenic syndrome	7	Bone Marrow failures including Aplastic Anaemia	77	Other			1	Acquired
Acquired immune deficiency syndrome (HIV infection)	10	Autoimmune Disorders	77	Other				
Acquired Pure Red Cell Aplasia (PRCA)	7	Bone Marrow failures including Aplastic Anaemia	2	Pure red cell aplasia (non congenital PRCA)			1	Acquired
Acute leukaemia	1	Acute Leukaemia						
Acute leukaemia, mixed phenotype NOS	1	Acute Leukaemia	4	Acute leukaemia, mixed phenotype NOS				
Acute leukaemia, mixed phenotype: B/myeloid	1	Acute Leukaemia	5	Acute leukaemia, mixed phenotype: B/myeloid				
Acute leukaemia, mixed phenotype: T/myeloid	1	Acute Leukaemia	6	Acute leukaemia, mixed phenotype: T/myeloid				
Acute leukaemia, secondary to previous MDS diagnosis	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic and Myeloproliferative Neoplasm				
Acute leukaemia, secondary to previous MPN diagnosis	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Acute leukaemia, secondary to treatment of primary disease	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Acute myelofibrosis (Chronic idiopathic myelofibrosis)	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Acute myeloid leukaemia	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Acute myelosclerosis (Chronic idiopathic myelofibrosis)	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Acute undifferentiated leukaemia	1	Acute Leukaemia	3	Acute undifferentiated leukaemia				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
ADA deficiency (SCID)	8	Inherited Disorders	1	Primary immune deficiencies				
Adenocarcinoma origin X	5	Solid Tumours	93	Adenocarcinoma origin X				
Adenosine deaminase deficiency (SCID) (ADA)	8	Inherited Disorders	1	Primary immune deficiencies				
Adrenoleukodystrophy	8	Inherited Disorders	2	Disorders of metabolism				
Adult T-cell leukaemia/lymphoma	3	Lymphoma	450	Adult T-cell leukaemia/lymphoma				
Aggressive NK-cell leukaemia	3	Lymphoma	420	Aggressive NK-cell leukaemia				
Agranulocytosis (Kostmann)	8	Inherited Disorders	1	Primary immune deficiencies				
AIDS (HIV infection)	10	Autoimmune Disorders	77	Other				
Albers-Schonberg Disease (Osteopetrosis)	8	Inherited Disorders	77	Other	41	Osteopetrosis		
Aleukocytosis	8	Inherited Disorders	1	Primary immune deficiencies				
ALK positive large B-cell lymphoma	3	Lymphoma	320	ALK positive large B-cell lymphoma				
ALL L3 Burkitt like	3	Lymphoma	360	Burkitt Lymphoma (BL)				
ALS (Amyotrophic lateral sclerosis)	10	Autoimmune Disorders	5	Neurological				
Amegakaryocytosis (congenital)	7	Bone Marrow failures including Aplastic Anaemia	6	Amegakaryocytic thrombocytopaenia (congenital)			2	Congenital
Amegakaryocytosis acquired	7	Bone Marrow failures including Aplastic Anaemia	5	Amegakaryocytic thrombocytopaenia			1	Acquired
AML	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Amyloidosis	4	Plasma Cell Disorders	5	Amyloidosis				
Amyotrophic lateral sclerosis	10	Autoimmune Disorders	5	Neurological				
Anaplastic large-cell lymphoma (ALCL), ALK-negative	3	Lymphoma	600	Anaplastic large-cell lymphoma (ALCL), ALK-negative				
Anaplastic large-cell lymphoma (ALCL), ALK-positive	3	Lymphoma	590	Anaplastic large-cell lymphoma (ALCL), ALK-positive				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Angioimmunoblastic lymphoma T-cell (AILD)	3	Lymphoma	580	Angioimmunoblastic T-cell lymphoma				
Angiosarcoma	5	Solid Tumours	68	Angiosarcoma				
Antiphospholipid syndrome	10	Autoimmune Disorders	1	Connective Tissue Disease				
Aplastic anaemia	7	Bone Marrow failures including Aplastic Anaemia	1	Aplastic anaemia			1	Acquired
Aspartyl glucosaminuria	8	Inherited Disorders	2	Disorders of metabolism				
Astrocytoma	5	Solid Tumours	21	Astrocytoma				
Ataxia telangiectasia	8	Inherited Disorders	1	Primary immune deficiencies				
Atypic Hairy Cell Leukaemia	2	Chronic Leukaemia	77	Other Chronic lymphocytic leukaemia		Atypic Hairy Cell Leukaemia		
Atypical CML	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm		Atypical CML		
Atypical teratoid rhabdoid tumor (ATRT)	5	Solid Tumours	777	Other				
Autoimmune diseases	10	Autoimmune Disorders	77	Other				
Autoimmune diseases	10	Autoimmune Disorders						
Autoimmune lymphoproliferative syndrome (primary diagnosis, not subsequent to transplant)	10	Autoimmune Disorders	6	Haematological				
Bare lymphocyte/lack of HLA-antig xp	8	Inherited Disorders	1	Primary immune deficiencies				
Batten disease (Neuronal ceroid – lipofuscinosis)	8	Inherited Disorders	2	Disorders of metabolism				
B-Cell Lymphocytic Leukaemia	2	Chronic Leukaemia	2	Chronic lymphocytic leukaemia/Small lymphocytic lymphoma				
B-cell lymphoma, other or NOS	3	Lymphoma	390	B-cell lymphoma, other or NOS				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and Burkitt lymphoma (Intermediate DLCL/BL)	3	Lymphoma	370	B-cell lymphoma, unclassifiable, diffuse large B-cell lymphoma and Burkitt lymphoma (Intermediate DLCL/BL)				
B-cell lymphoma, unclassifiable, with features intermediate between diffuse large B-cell lymphoma and classical Hodgkin lymphoma (Gray zone lymphoma)	3	Lymphoma	380	B-cell lymphoma, unclassifiable, diffuse large B-cell and classical Hodgkin (Gray zone lymphoma)				
Behçet's syndrome	10	Autoimmune Disorders	2	Vasculitis				
Berlin breakage syndrome	8	Inherited Disorders	1	Primary immune deficiencies	57	Other CID		
Bernard Soulier syndrome	8	Inherited Disorders	77	Other	22	Bernard Soulier syndrome		
B-glucuronidase deficiency (VII)	8	Inherited Disorders	2	Disorders of metabolism				
Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN)	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms	22	Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN)		
Boder-Sedgwick syndrome	8	Inherited Disorders	1	Primary immune deficiencies				
Bone sarcoma (exclude Ewing sarcoma, include PNET sarcoma)	5	Solid Tumours	10	Bone sarcoma				
BPDCN	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms	22	Blastic Plasmacytoid Dendritic Cell Neoplasm (BPDCN)		
Breast Cancer (Inflammatory / Non inflammatory)	5	Solid Tumours	80	Breast cancer				
Burkitt lymphoma (BL)	3	Lymphoma	360	Burkitt lymphoma (BL)				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Cartilage hair hypoplasia	8	Inherited Disorders	1	Primary immune deficiencies				
Castleman variant of POEMS syndrome	4	Plasma Cell Disorders	6	POEMS				
Castleman: Large B-cell HHV8-associated	3	Lymphoma	340	Large B-cell lymphoma arising in HHV8- associated multicentric Castleman disease				
CD119 (Cluster of Differentiation 119) deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
CD154 deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
CD40 ligand deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
CD40L deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
Central nervous system (include CNS PNET)	5	Solid Tumours	777	Other				
Chediak-Higashi syndrome	8	Inherited Disorders	1	Primary immune deficiencies				
Childhood myelodysplastic syndrome/refractory cytopenia of childhood (RCC)	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				
Choriocarcinoma	5	Solid Tumours	46	Choriocarcinoma				
Chronic eosinophylic leukaemia	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Chronic granulomatous disease (CGD)	8	Inherited Disorders	1	Primary immune deficiencies				
Chronic idiopathic myelofibrosis	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Chronic inflammatory demyelinating polyneuropathy (CIDP)	10	Autoimmune Disorders	5	Neurological				
Chronic leukaemia	2	Chronic leukaemia						

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Chronic lymphocytic leukaemia	2	Chronic Leukaemia	2	Chronic lymphocytic leukaemia/Small lymphocytic lymphoma				
Chronic myeloid leukaemia	2	Chronic Leukaemia	1	Chronic myeloid leukaemia				
Chronic myeloid leukaemia, atypical	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm	3	Atypical CML		
Chronic myelomonocytic leukaemia	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
Churg-Strauss	10	Autoimmune Disorders	2	Vasculitis				
CID	8	Inherited Disorders	1	Primary immune deficiencies				
CID with Ig	8	Inherited Disorders	1	Primary immune deficiencies				
CID with Immunoglobulins (CID with Ig)	8	Inherited Disorders	1	Primary immune deficiencies				
CIDP (Chronic inflammatory demyelinating polyneuropathy)	10	Autoimmune Disorders	5	Neurological				
CLL	2	Chronic Leukaemia	2	Chronic lymphocytic leukaemia/Small lymphocytic lymphoma				
CLL/SLL	2	Chronic Leukaemia	2	Chronic lymphocytic leukaemia/Small lymphocytic lymphoma				
CML	2	Chronic Leukaemia	1	Chronic myeloid leukaemia				
CML, atypical	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm	3	Atypical CML		
CMML (Chronic myelomonocytic leukaemia)	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
CMMoL (Chronic myelomonocytic leukaemia)	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
CNS tumours	5	Solid Tumours	777	Other				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Colon adenocarcinoma	5	Solid Tumours	96	Colon adenocarcinoma				
Combined immune deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
Combined myelodysplastic & myeloproliferative neoplasm	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
Combined myelodysplastic & myeloproliferative syndromes	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
Common variable immunodeficiency (CID)	8	Inherited Disorders	1	Primary immune deficiencies				
Congenital amegakaryocytosis	7	Bone Marrow failures including Aplastic Anaemia	6	Amegakaryocytic thrombocytopaenia (congenital)			2	Congenital
Congenital neutropaenia (Kostmann syndrome)	8	Inherited Disorders	1	Primary immune deficiencies				
Congenital PRCA	7	Bone Marrow failures including Aplastic Anaemia	2	Diamond-Blackfan (congenital PRCA)			2	Congenital
Congenital sideroblastic anaemia	7	Bone Marrow failures including Aplastic Anaemia	7	Congenital sideroblastic anaemia			2	Congenital
Crohn's disease	10	Autoimmune Disorders	7	Bowel				
Crow-Fukase syndrome (POEMS)	4	Plasma Cell Disorders	6	POEMS				
Cryoglobulinaemia	10	Autoimmune Disorders	2	Vasculitis	77	Cryoglobulinaemia		
Cytopaenia	10	Autoimmune Disorders	6	Haematological				
Dermatomyositis	10	Autoimmune Disorders	1	Connective Tissue Disease				
Desmoplastic small-round-cell tumor	5	Solid Tumours	60	Soft tissue sarcoma				
Di George anomaly	8	Inherited Disorders	1	Primary immune deficiencies				
Diamond-Blackfan anaemia	7	Bone Marrow failures including Aplastic Anaemia	2	Diamond-Blackfan (congenital PRCA)			2	Congenital
Diffuse large B-cell lymphoma (DLBCL) NOS	3	Lymphoma	270	Diffuse large B-cell lymphoma (DLBCL), NOS				
DLBCL: associated with chronic inflammation	3	Lymphoma	280	DLBCL associated with chronic inflammation				
DLBCL: EBV positive DLBCL of the elderly	3	Lymphoma	278	EBV positive DLBCL of the elderly				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
DLBCL: Primary cutaneous DLBCL, leg type	3	Lymphoma	276	Primary cutaneous DLBCL, leg type				
DLBCL: Primary DLBCL of the CNS	3	Lymphoma	274	Primary DLBCL of the CNS				
DLBCL: T-cell/histiocyte rich large B cell lymphoma	3	Lymphoma	272	T-cell/histiocyte rich large B cell lymphoma				
Drepanocytosis	11	Haemoglobinopathy	5	Sickle cell anaemia				
Duncan syndrome (X-linked lymphoproliferative syndrome)	8	Inherited Disorders	1	Primary immune deficiencies				
Dyserythropoietic anaemia	7	Bone Marrow failures including Aplastic Anaemia	4	Dyserythropoietic anaemia				2 Congenital
Dyskeratosis congenital	7	Bone Marrow failures including Aplastic Anaemia	5	Dyskeratosis congenital				2 Congenital
Eczema-thrombocytopenia (Wiskott-Aldrich Syndrome)	8	Inherited Disorders	1	Primary immune deficiencies				
Embryonal carcinoma	5	Solid Tumours	42	Embryonal carcinoma				
Enteropathy-associated T-cell lymphoma	3	Lymphoma	470	Enteropathy-associated T-cell lymphoma				
Ependymoma	5	Solid Tumours	24	Ependymoma				
Erythrophagocytic lymphohistiocytosis/hemophagocytosis	9	Histiocytic disorders	1	Familial erythro/hemophagocytic lymphohistiocytosis				
Evan syndrome	10	Autoimmune Disorders	6	Haematological				
Ewing sarcoma	5	Solid Tumours	31	Ewing's sarcoma				
Extranodal NK/T-cell lymphoma, nasal type	3	Lymphoma	460	Extranodal NK/T-cell lymphoma, nasal type				
Familial erythro/hemophagocytic lymphohistiocytosis (FELH)	9	Histiocytic disorders	1	Familial erythro/hemophagocytic lymphohistiocytosis				
Familial reticuloendotheliosis (Omenn's syndrome)	8	Inherited Disorders	1	Primary immune deficiencies	51	Omenn syndrome		
Fanconi anaemia	7	Bone Marrow failures including Aplastic Anaemia	1	Fanconi				2 Congenital



Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
FELH / FLH (Familial erythro / hemophagocytic lymphohistiocytosis)	9	Histiocytic disorders	1	Familial erythro/hemophagocytic lymphohistiocytosis				
FHLH (Familial hemophagocytic lymphohistiocytosis)	9	Histiocytic disorders	1	Familial erythro/hemophagocytic lymphohistiocytosis				
Fibrosarcoma	5	Solid Tumours	66	Fibrosarcoma				
Follicular dendritic sarcoma	9	Histiocytic disorders	77	Other				
Follicular lymphoma	3	Lymphoma	250	Follicular lymphoma				
Fucosidosis	8	Inherited Disorders	2	Disorders of metabolism				
Gastric carcinoma + adenocarcinoma	5	Solid Tumours	92	Gastric carcinoma + adenocarcinoma				
Gaucher disease	8	Inherited Disorders	2	Disorders of metabolism				
Genetic agranulocytosis (Kostmann syndrome)	8	Inherited Disorders	1	Primary immune deficiencies				
Germ cell tumour	5	Solid Tumours	40	Germ cell tumour				
Giant cell arteritis	10	Autoimmune Disorders	2	Vasculitis				
Glanzmann thrombasthenia	8	Inherited Disorders	77	Other				
Glioblastoma	5	Solid Tumours	23	Glioblastoma				
Globoid leukodystrophy (Krabbe disease)	8	Inherited Disorders	2	Disorders of metabolism	71			
Glucose storage disease	8	Inherited Disorders	2	Disorders of metabolism				
Granulocytic sarcoma (Myeloid sarcoma)	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Grave's disease	10	Autoimmune Disorders	77	Other				
Griscelli syndrome	8	Inherited Disorders	1	Primary immune deficiencies		Guillain Barre		
Guillain Barre syndrome	10	Autoimmune Disorders	5	Other neurological	77	Other leukaemia		
Haemangiosarcoma	5	Solid Tumours	69	Haemangiosarcoma				
Hairy Cell Leukaemia	2	Chronic Leukaemia	77	Other Chronic lymphocytic leukaemia	3	Hairy cell leukaemia		
Hairy Cell Leukaemia, atypic	2	Chronic Leukaemia	77	Other Chronic lymphocytic leukaemia	4	Atypic Hairy Cell Leukaemia		
HCDD (Monoclonal light and heavy chain deposition disease)	4	Plasma Cell Disorders	7	Monoclonal light and heavy chain deposition disease (LCDD/HCDD)				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Hemolytic anemia, acquired	10	Autoimmune Disorders	6	Haematological				
Hemolytic anemia, congenital	7	Bone Marrow failures including Aplastic Anaemia	77	Other				
Hemolytic anemia, not congenital	10	Autoimmune Disorders	6	Haematological				
Hemophagocytosis (reactive or viral associated)	9	Histiocytic disorders	3	Hemophagocytosis (reactive or viral associated)				
Hepatosplenic T-cell lymphoma	3	Lymphoma	480	Hepatosplenic T-cell lymphoma				
HGPRT deficiency (Lesch-Nyhan)	8	Inherited Disorders	2	Disorders of metabolism				
Histiocytic and dendritic cell neoplasm	9	Histiocytic disorders	77	Other				
Histiocytic disorders	9	Histiocytic disorders						
Histiocytic sarcoma	9	Histiocytic disorders	4	Malignant histiocytosis				
Histiocytosis X (Langerhans Cell Histiocytosis)	9	Histiocytic disorders	2	Langerhans Cell Histiocytosis (Histiocytosis-X)				
HIV infection	10	Autoimmune Disorders	77	Other				
Hodgkin Lymphoma	3	Lymphoma	700	Hodgkins				
Hunter syndrome (II)	8	Inherited Disorders	2	Disorders of metabolism				
Hurler / Scheie syndrome	8	Inherited Disorders	2	Disorders of metabolism				
Hurler syndrome (IH)	8	Inherited Disorders	2	Disorders of metabolism				
Hydroa vacciniforme-like lymphoma	3	Lymphoma	440	Hydroa vacciniforme-like lymphoma				
Hyper eosinophilic syndrome	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Hyper IgM syndrome (CD40 ligand deficiency)	8	Inherited Disorders	1	Primary immune deficiencies				
Hypogammaglobulinemia with Hyper IgM	8	Inherited Disorders	1	Primary immune deficiencies				
Hypoplasia of the thymus and parathyroids	8	Inherited Disorders	1	Primary immune deficiencies				
I-cell disease	8	Inherited Disorders	2	Disorders of metabolism				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Idiopathic thrombocytopenic purpura (ITP)	10	Autoimmune Disorders	6	Haematological				
IL-7R alpha deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
Immune deficiencies (primary)	8	Inherited Disorders	1	Primary immune deficiencies				
Immune deficiency with increased IgM (CD40 ligand deficiency)	8	Inherited Disorders	1	Primary immune deficiencies				
Inborn errors (except congenital BMF)	8	Inherited Disorders						
Inborn errors of metabolism	8	Inherited Disorders	2	Inborn errors of metabolism				
Inflammatory breast cancer	5	Solid Tumours	80	Breast cancer				
Inherited disorders (except congenital BMF)	8	Inherited Disorders						
Interferon gamma receptor deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
Intravascular large B-cell lymphoma	3	Lymphoma	310	Intravascular large B-cell lymphoma				
ITP (Idiopathic thrombocytopenic purpura)	10	Autoimmune Disorders	6	Haematological				
JAK3 (Janus Kinase 3) deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
JCML (Juvenile myelomonocytic leukaemia)	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
JCMML (Juvenile myelomonocytic leukaemia)	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
JIA (Juvenile idiopathic arthritis)	10	Autoimmune Disorders	3	Arthritis				
JMML (Juvenile myelomonocytic leukaemia)	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Juvenile idiopathic arthritis (JIA)	10	Autoimmune Disorders	3	Arthritis				
Juvenile myelomonocytic leukaemia	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
Kahler disease	4	Plasma Cell Disorders	1	Multiple myeloma				
Kidney tumour (non Wilms)	5	Solid Tumours	99	Other kidney tumour				
Kostmann syndrome	8	Inherited Disorders	1	Primary immune deficiencies				
Krabbe disease (globoid leukodystrophy)	8	Inherited Disorders	2	Disorders of metabolism				
LAD (Leukocyte adhesion deficiency)	8	Inherited Disorders	1	Primary immune deficiencies				
Langerhans Cell Histiocytosis (Histiocytosis-X)	9	Histiocytic disorders	2	Langerhans Cell Histiocytosis (Histiocytosis-X)				
Large B-cell lymphoma arising in HHV8- associated multicentric Castleman disease	3	Lymphoma	340	Large B-cell lymphoma arising in HHV8- associated multicentric Castleman disease				
LCDD (Monoclonal light and heavy chain deposition disease )	4	Plasma Cell Disorders	7	Monoclonal light and heavy chain deposition disease (LCDD/HCDD)		Lennert variant		
Leiomyosarcoma	5	Solid Tumours	63	Leiomyosarcoma				
Lennert lymphoma (Peripheral T-cell lymphoma, NOS)	3	Lymphoma	570	Mature T-cell & NK-cell NeoplasmsPeripheral T-cell lymphoma, NOS (PTCL)				
Lesch-Nyhan (HGPRT deficiency)	8	Inherited Disorders	2	Disorders of metabolism				
Leukocyte adhesion deficiency (LAD)	8	Inherited Disorders	1	Primary immune deficiencies				
LFA deficiency (Leukocyte adhesion deficiency)	8	Inherited Disorders	1	Primary immune deficiencies				
Liposarcoma	5	Solid Tumours	65	Liposarcoma				
Louis-Bar Syndrome (Ataxia telangiectasia)	8	Inherited Disorders	1	Primary immune deficiencies				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
LRBA (Lipopolysaccharide(LPS)-Responsive and Beige-like Anchor protein)	8	Inherited Disorders	1	Primary immune deficiencies	777	Other		
Lung cancer, non-small cell	5	Solid Tumours	57	Non-small cell lung cancer (NSCLC)				
Lung cancer, small cell	5	Solid Tumours	54	Small cell lung cancer (NSCLC)				
Lymphoma	3	Lymphoma						
Lymphomatoid granulomatosis	3	Lymphoma	290	Lymphomatoid granulomatosis				
Lymphomatoid papulosis	3	Lymphoma	520	Lymphomatoid papulosis				
Lymphoplasmacytic lymphoma (LPL)	3	Lymphoma	240	Lymphoplasmacytic lymphoma (LPL)				
Malignant histiocytosis	9	Histiocytic disorders	4	Malignant histiocytosis				
MALT Lymphoma: Extranodal marginal zone lymphoma of mucosa associated lymphoid tissue	3	Lymphoma	220	Extranodal marginal zone lymphoma of mucosa associated lymphoid tissue (MALT)				
Mannosidosis	8	Inherited Disorders	2	Disorders of metabolism				
Mantle cell lymphoma	3	Lymphoma	260	Mantle cell lymphoma				
Marchiafava-Micheli syndrome	7	Bone Marrow failures including Aplastic Anaemia	3	Paroxysmal nocturnal haemoglobinuria			1	Acquired
Maroteaux-Lamy (VI)	8	Inherited Disorders	2	Disorders of metabolism				
Mast cell leukaemia	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Mast cell sarcoma	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
McKusick type metaphyseal chondrodysplasia	8	Inherited Disorders	1	Primary immune deficiencies				
MDS	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
MDS with myelofibrosis	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				
Mediastinal neoplasm	5	Solid Tumours	777	Other				
Medulloblastoma	5	Solid Tumours	32	Medulloblastoma				
Melanoma	5	Solid Tumours	51	Melanoma				
Metachromatic leukodystrophy	8	Inherited Disorders	2	Disorders of metabolism				
MGUS (Monoclonal gammopathy of undetermined significance)	4	Plasma Cell Disorders	77	Other				
MHC class II-deficiency	8	Inherited Disorders	1	Primary immune deficiencies				
Mixed tumour with seminoma	5	Solid Tumours	48	Mixed tumour with seminoma				
Mixed tumour without seminoma	5	Solid Tumours	47	Mixed tumour without seminoma				
Monoclonal light and heavy chain deposition disease	4	Plasma Cell Disorders	7	Monoclonal light and heavy chain deposition disease (LCDD/HCDD)				
MonoMAC syndrome, GATA-2 deficiency	8	Inherited Disorders	155	Primary immune deficiencies				
MonoMAC syndrome, GATA-2 deficiency	8	Inherited Disorders	155	Primary immune deficiencies				
Morquio (IV)	8	Inherited Disorders	2	Disorders of metabolism				
MPS (not Mucopolysaccharidosis)	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
MS (Multiple Sclerosis)	10	Autoimmune Disorders	4	Multiple sclerosis				
Mucopolipidoses	8	Inherited Disorders	2	Disorders of metabolism				
Mucopolipidoses II	8	Inherited Disorders	2	Disorders of metabolism				
Mucopolysaccharidosis	8	Inherited Disorders	2	Disorders of metabolism				
Multiple myeloma	4	Plasma Cell Disorders	1	Multiple myeloma				
Multiple Sclerosis (MS)	10	Autoimmune Disorders	4	Multiple sclerosis				
Myasthenia gravis	10	Autoimmune Disorders	5	Other neurological				
Mycosis fungoides	3	Lymphoma	500	Mycosis fungoides (MF)				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Myelodysplastic & myeloproliferative neoplasm combined	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
Myelodysplastic & myeloproliferative syndromes combined	6	Myelodysplastic / Myeloproliferative Neoplasm	4	Myelodysplastic and Myeloproliferative Neoplasm				
Myelodysplastic syndrome	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic and Myeloproliferative Neoplasm				
Myelofibrosis with myeloid metaplasia (Chronic idiopathic myelofibrosis)	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Myeloid proliferations related to Down syndrome	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Myeloid sarcoma (Granulocytic sarcoma)	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Myeloproliferative neoplasm	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Myeloproliferative syndrome	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Myelosclerosis (Chronic idiopathic myelofibrosis)	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Natural killer (NK) cell lymphoblastic leukaemia	1	Acute Leukaemia	7	Natural killer (NK) cell lymphoblastic leukaemia				
Necrotising arteritis	10	Autoimmune Disorders	2	Vasculitis				
Nemaline myopathy (inherited, not late onset type)	8	Inherited Disorders	2	Disorders of metabolism				
Neuroblastoma	5	Solid Tumours	33	Neuroblastoma				
Neurogenic sarcoma	5	Solid Tumours	71	Neurogenic sarcoma				
Neuronal ceroid – lipofuscinosis (Batten disease)	8	Inherited Disorders	2	Disorders of metabolism				
Neutrophil actin deficiency	8	Inherited Disorders	1	Primary immune deficiencies				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Nezelof syndrome (CID with Ig)	8	Inherited Disorders	1	Primary immune deficiencies				
NHL (Non Hodgkins Lymphoma) Other or NOS	3	Lymphoma	800	Other NHL or NOS	57	Other CID		
Niemann-Pick disease	8	Inherited Disorders	2	Disorders of metabolism				
Nijmegen syndrome	8	Inherited Disorders	1	Primary immune deficiencies				
NK cell lymphoblastic leukaemia	1	Acute Leukaemia	7	Natural killer (NK) cell lymphoblastic leukaemia				
Nodal marginal zone lymphoma	3	Lymphoma	230	Nodal marginal zone lymphoma				
Non Hodgkins Lymphoma, unspecified	3	Lymphoma	800	Other NHL or NOS				
Non inflammatory breast cancer	5	Solid Tumours	80	Breast cancer				
Non-small cell lung cancer	5	Solid Tumours	57	Non-small cell lung cancer (NSCLC)				
NSCLC	5	Solid Tumours	57	Non-small cell lung cancer (NSCLC)				
Oligodendroglioma	5	Solid Tumours	22	Oligodendroglioma				
Oligosecretory Myeloma	4	Plasma Cell Disorders	1	Multiple myeloma				
Omenn's syndrome	8	Inherited Disorders	1	Primary immune deficiencies	51	Omenn syndrome		
Osteopetrosis	8	Inherited Disorders	77	Other	41	Osteopetrosis		
Osteosarcoma	5	Solid Tumours	11	Osteosarcoma				
Other (non Wilms) kidney tumour	5	Solid Tumours	99	Other kidney tumour				
Other gliomas	5	Solid Tumours	25	Other gliomas				
Ovarian adenocarcinoma	5	Solid Tumours	49	Ovarian adenocarcinoma				
Overlapping necrotising arteritis	10	Autoimmune Disorders	2	Vasculitis				
Paroxysmal nocturnal hemoglobinuria (PNH)	7	Bone Marrow failures including Aplastic Anaemia	3	Paroxysmal nocturnal haemoglobinuria			1	Acquired
Partial albinism with immunodeficiency	8	Inherited Disorders	1	Primary immune deficiencies				
PEP syndrome (POEMS)	4	Plasma Cell Disorders	6	POEMS				
Peripheral T-cell lymphoma, NOS	3	Lymphoma	570	Peripheral T-cell lymphoma, NOS (PTCL)				



Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
PGNMID (proliferative glomerulonephritis with monoclonal IgG deposits )	4	Plasma Cell Disorders	77	Other				
Plasma cell disorders	4	Plasma Cell Disorders			20	Platelet defect, unspecified		
Plasma cell dyscrasia	4	Plasma Cell Disorders	77	Other				
Plasma cell leukemia	4	Plasma Cell Disorders	2	Plasma cell leukemia				
Plasmablastic lymphoma	3	Lymphoma	330	Plasmablastic lymphoma				
Platelet defect, congenital	8	Inherited Disorders	77	Other				
PLL	2	Chronic Leukaemia	3	Chronic polymphocytic leukaemia				
PNET	5	Solid Tumours	30	PNET				
PNH	7	Bone Marrow failures including Aplastic Anaemia	3	Paroxysmal nocturnal haemoglobinuria			1	Acquired
PNP- SCID	8	Inherited Disorders	1	Primary immune deficiencies				
POEMS syndrome	4	Plasma Cell Disorders	6	POEMS				
Polyarteritis nodosa	10	Autoimmune Disorders	2	Vasculitis				
Polycythemia vera	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Polymyositis	10	Autoimmune Disorders	1	Connective Tissue Disease				
Polysaccharide hydrolase abnormalities	8	Inherited Disorders	2	Disorders of metabolism				
Post-transplant lymphoproliferative disease	3	Lymphoma	710	Post-transplant lymphoproliferative disease (PTLD)				
PRCA (acquired)	7	Bone Marrow failures including Aplastic Anaemia	2	Pure red cell aplasia (non congenital PRCA)			1	Acquired
PRCA (congenital)	7	Bone Marrow failures including Aplastic Anaemia	2	Diamond-Blackfan (congenital PRCA)			2	Congenital
PRCA (not congenital)	7	Bone Marrow failures including Aplastic Anaemia	2	Pure red cell aplasia (non congenital PRCA)			1	Acquired
Precursor B-lymphoblastic leukemia/lymphoma	1	Acute Leukaemia	2	Precursor Lymphoid Neoplasms (old ALL)	77	other		
Precursor Lymphoid Neoplasms (old ALL)	1	Acute Leukaemia	2	Precursor Lymphoid Neoplasms (old ALL)	11	T-cell lymphoblastic		

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Precursor T-lymphoblastic lymphoma/leukemia	1	Acute Leukaemia	2	Precursor Lymphoid Neoplasms (old ALL)				
Primary amyloidosis	4	Plasma Cell Disorders	5	Amyloidosis				
Primary cutaneous anaplastic large cell lymphoma	3	Lymphoma	530	Primary cutaneous anaplastic large cell lymphoma				
Primary cutaneous CD4 positive small/medium T-cell lymphoma	3	Lymphoma	560	Primary cutaneous CD4 positive small/medium T-cell lymphoma				
Primary cutaneous CD8 positive aggressive epidermotropic cytotoxic T-cell lymphoma	3	Lymphoma	550	Primary cutaneous CD8 positive aggressive epidermotropic cytotoxic T-cell lymphoma				
Primary cutaneous follicle centre lymphoma	3	Lymphoma	255	Primary cutaneous follicle centre lymphoma				
Primary cutaneous gamma-delta T-cell lymphoma	3	Lymphoma	540	Primary cutaneous gamma-delta T-cell lymphoma				
Primary effusion lymphoma (PEL)	3	Lymphoma	350	Primary effusion lymphoma (PEL)				
Primary immune deficiencies	8	Inherited Disorders	1	Primary immune deficiencies				
Primary mediastinal (thymic) large B-cell lymphoma	3	Lymphoma	300	Primary mediastinal (thymic) large B-cell lymphoma				
Primary Myelofibrosis	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative neoplasia (MPN) (old MPS)				
Prolymphocytic Leukaemia	2	Chronic Leukaemia	3	Chronic prolymphocytic leukaemia				
Prolymphocytic Leukaemia B-cell	2	Chronic Leukaemia	3	Chronic prolymphocytic leukaemia				
Prolymphocytic Leukaemia T-cell	2	Chronic Leukaemia	3	Chronic prolymphocytic leukaemia				
Psoriatic arthritis/psoriasis	10	Autoimmune Disorders	3	Arthritis				
PTLD	3	Lymphoma	710	Post-transplant lymphoproliferative disease (PTLD)				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Pure red cell, acquired	7	Bone Marrow failures including Aplastic Anaemia	2	Pure red cell aplasia (non congenital PRCA)			1	Acquired
Pure white cell, acquired	7	Bone Marrow failures including Aplastic Anaemia	4	Pure white cell aplasia			1	Acquired
Purine nucleoside phosphorylase deficiency (SCID) (PNP-)	8	Inherited Disorders	1	Primary immune deficiencies				
Purtilo (X-linked lymphoproliferative syndrome)	8	Inherited Disorders	1	Primary immune deficiencies				
PWC (acquired)	7	Bone Marrow failures including Aplastic Anaemia	4	Pure white cell aplasia			1	Acquired
PWC (genetic)	7	Bone Marrow failures including Aplastic Anaemia	77	Other			2	Congenital
Pyruvate kinase deficiency resulting in hemolytic anaemia, congenital	7	Bone Marrow failures including Aplastic Anaemia	77	Other			2	Congenital
Rag-1 or Rag-2	8	Inherited Disorders	1	Primary immune deficiencies				
RCC (Refractory cytopenia of childhood)/Childhood myelodysplastic syndrome	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				
Refractory anaemia (RA)	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				
Refractory cytopenia of childhood (RCC)/Childhood myelodysplastic syndrome	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				
Reticular dysgenesis (SCID)	8	Inherited Disorders	1	Primary immune deficiencies				
Retinoblastoma	5	Solid Tumours	36	Retinoblastoma				
Rhabdomyosarcoma	5	Solid Tumours	64	Rhabdomyosarcoma				
Rheumatoid arthritis	10	Autoimmune Disorders	3	Arthritis	5	Richter's syndrome		
Richter	2	Chronic Leukaemia	77	Other				
Sanfilippo (III)	8	Inherited Disorders	2	Disorders of metabolism				
Sarcoma not otherwise specified	5	Solid Tumours	777	Other				
Sarcoma PNET	5	Solid Tumours	30	PNET				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Scheie syndrome (IS)	8	Inherited Disorders	2	Disorders of metabolism				
SCID	8	Inherited Disorders	1	Primary immune deficiencies				
SCLC	5	Solid Tumours	54	Small cell lung cancer (SCLC)				
Scleroderma (Systemic sclerosis)	10	Autoimmune Disorders	1	Connective Tissue Disease	57	Other CID		
Secondary acute leukaemia after MDS	6	Myelodysplastic / Myeloproliferative Neoplasm	1	Myelodysplastic Syndromes (MDS)				
Secondary acute leukaemia after MPS	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Secondary acute leukaemia, after treatment of primary disease	1	Acute Leukaemia	1	AML & Related Precursor Neoplasms				
Seemanova syndrome	8	Inherited Disorders	1	Primary immune deficiencies				
Seminoma	5	Solid Tumours	41	Seminoma				
Severe combined immune deficiency (SCID)	8	Inherited Disorders	1	Primary immune deficiencies				
Severe congenital neutropenia (SCN)	8	Inherited Disorders	1	Primary immune deficiencies				
Sezary syndrome	3	Lymphoma	510	Sezary syndrome				
Shwachman-Diamond	7	Bone Marrow failures including Aplastic Anaemia	3	Schwachman-Diamond (congenital)			2	Congenital
Sickle cell disease	11	Haemoglobinopathy	5	Sickle cell anaemia				
Sideroblastic anaemia, congenital	7	Bone Marrow failures including Aplastic Anaemia	7	Congenital sideroblastic anaemia			2	Congenital
Sjögren syndrome	10	Autoimmune Disorders	1	Connective Tissue Disease				
SLE (Systemic lupus erythematosus)	10	Autoimmune Disorders	1	Connective Tissue Disease				
SLL	2	Chronic Leukaemia	2	Chronic lymphocytic leukaemia/Small lymphocytic lymphoma				
Small cell lung cancer	5	Solid Tumours	54	Small cell lung cancer (SCLC)				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Small lymphocytic lymphoma	2	Chronic Leukaemia	2	Chronic lymphocytic leukaemia/Small lymphocytic lymphoma				
Soft tissue sarcoma (include PNET sarcoma)	5	Solid Tumours	60	Soft tissue sarcoma				
Solid tumour	5	Solid Tumours						
Solitary plasmacytoma	4	Plasma Cell Disorders	3	Plasmacytoma				
Sphingolipidoses	8	Inherited Disorders	2	Disorders of metabolism				
Splenic marginal zone lymphoma	3	Lymphoma	210	Splenic marginal zone lymphoma				
Sporadic late onset nemaline myopathy (SLONM). Not inherited type	4	Plasma Cell Disorders	77	Other				
Stills disease	10	Autoimmune Disorders	3	Arthritis				
Subcutaneous panniculitis-like T-cell lymphoma	3	Lymphoma	490	Subcutaneous panniculitis-like T-cell lymphoma				
Synovial sarcoma	5	Solid Tumours	67	Synovial sarcoma				
Systemic EBV positive T-cell lymphoproliferative disease of childhood	3	Lymphoma	430	Systemic EBV positive T-cell lymphoproliferative disease of childhood				
Systemic lupus erythematosus (SLE)	10	Autoimmune Disorders	1	Connective Tissue Disease				
Systemic mastocytosis	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Systemic sclerosis	10	Autoimmune Disorders	1	Connective Tissue Disease				
Takatsuki disease (POEMS)	4	Plasma Cell Disorders	6	POEMS				
Takayasu	10	Autoimmune Disorders	2	Vasculitis				
T-cell large granular lymphocytic leukaemia	3	Lymphoma	410	T-cell large granular lymphocytic leukaemia				
T-cell lymphoma, other or NOS	3	Lymphoma	610	T-cell lymphoma, other or NOS				
Teratocarcinoma	5	Solid Tumours	43	Teratocarcinoma (yolk sac tumour)				
Thalassemia	11	Haemoglobinopathy	1	Thalassemia				

Diagnosis	Main Class Code	Main Classification	Sub-Class Code	Sub-Classification	Other code	Other classification	(BMF syndromes only) Acquired / congenital Code	(BMF syndromes only) Acquired / congenital
Third and fourth pharyngeal pouch syndrome	8	Inherited Disorders	1	Primary immune deficiencies				
Thrombocythemia (essential / primary)	6	Myelodysplastic / Myeloproliferative Neoplasm	2	Myeloproliferative Neoplasm (MPN)				
Thymoma	5	Solid Tumours	91	Thymoma				
T-lymphocyte deficiency (CID with Ig)	8	Inherited Disorders	1	Primary immune deficiencies				
Ulcerative colitis	10	Autoimmune Disorders	7	Bowel				
Undifferentiated carcinoma	5	Solid Tumours	90	Undifferentiated carcinoma				