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1	15-Aug-06	J Fox	1st Draft
2	15-Jun-07	B Young	modified
3	16-Jun-07	J Fox	modified
4	15-Dec-08	B young	modified
5	15-Jun-09	J Fox	modified

SNOMED CT codes for renal biopsy registry	SNOMED CT concept ID:	New SNOMED CT concept IDs June 2009
<b>Major patterns of renal damage</b>		
Minimal change disease	44785005	
Basement membrane abnormality	K001	125481001
Diffuse endocapillary proliferative glomerulonephritis	3704008	
Mesangial proliferative glomerulonephritis	35546006	
Mesangiocapillary glomerulonephritis	80321008	
Membranous glomerulonephritis	77182004	
Mesangial expansion	263806003	
Focal and segmental glomerulosclerosis	236403004	
Focal and segmental proliferative glomerulonephritis	83866005	
Necrotising glomerulonephritis	1426004	
Thrombotic microangiopathy	126729006	
Interstitial nephritis	28689008	
Acute tubular necrosis	35455006	
End stage renal disease	46177005	
Vascular disease	K002	16934004
<b>Diffuse endocapillary proliferative glomerulonephritis</b>	<b>3704008</b>	
Acute post-streptococcal glomerulonephritis	68544003	
Post-infectious glomerulonephritis	236395002	
SLE glomerulonephritis syndrome, WHO class IV	36402006	
Idiopathic	K006	
Other	K018	
<b>Basement membrane abnormalities NOS</b>	<b>K003</b>	
Alport syndrome-like hereditary nephritis	236420000	
Thin basement membrane disease	236418003	
Nail-patella syndrome	22199006	
Hereditary nephritis	399340005	
Idiopathic	K006	
Other	K018	
<b>Mesangial proliferative glomerulonephritis</b>	<b>35546006</b>	
IgA nephropathy	236407003	
Henoch-Schonlein nephritis	236504007	
SLE glomerulonephritis syndrome, WHO class II	4676006	
Idiopathic	K006	
Other	K018	
<b>Mesangiocapillary glomerulonephritis</b>	<b>80321008</b>	
Mesangiocapillary glomerulonephritis, type I	75888001	
Mesangiocapillary glomerulonephritis, type II	59479006	
Mesangiocapillary glomerulonephritis type III	236409000	
Mesangiocapillary glomerulonephritis type IV	236410005	
SLE glomerulonephritis syndrome, WHO class IV	36402006	
Cryoglobulinemia	30911005	
Type B viral hepatitis	66071002	
Viral hepatitis C	50711007	
Malignancy-associated glomerulonephritis	236508005	
Idiopathic	K006	
Other	K018	
<b>Membranous glomerulonephritis</b>	<b>77182004</b>	
Membranous glomerulonephritis	77182004	
SLE glomerulonephritis syndrome, WHO class V	52042003	
drug-related	K004	
infection-related	K005	
Malignancy-associated glomerulonephritis	236508005	
Idiopathic	K006	
Other	K018	
<b>Mesangial expansion</b>	<b>263806003</b>	
Diabetic renal disease	127013003	
Amyloidosis	17602002	
Fibrillary glomerulonephritis	73305009	
Light chain deposition disease	373604002	
Idiopathic	K006	
Other	K018	
Immunotactoid glomerulonephritis	?	73305009
<b>Focal segmental glomerulosclerosis</b>	<b>236403004</b>	
Idiopathic	K006	
secondary to another form of GN	K007	
SLE glomerulonephritis syndrome, WHO class III	76521009	
secondary to another non-GN renal disease	K008	
Other	K018	
<b>Focal and segmental proliferative glomerulonephritis</b>	<b>83866005</b>	
IgA nephropathy	236407003	
Henoch-Schonlein nephritis	236504007	
SLE glomerulonephritis syndrome, WHO class III	76521009	
Idiopathic	K006	
Other	K018	
<b>Necrotising glomerulonephritis</b>	<b>1426004</b>	
Wegener's granulomatosis	195353004	
Microscopic polyarteritis nodosa	239928004	
Goodpasture's syndrome	50581000	
Idiopathic	K006	
Other	K018	
<b>Thrombotic microangiopathy</b>	<b>126729006</b>	
Scleroderma	201441006	
Malignant hypertension	70272006	
Thrombotic thrombocytopenic purpura	78129009	
Hemolytic uremic syndrome	111407006	
Pre-eclampsia	398254007	
drug-induced	K010	
Idiopathic	K006	
Other	K018	

<b>Interstitial nephritis</b>	<b>28689008</b>		
Acute pyelonephritis	36689008		
Infectious disease	40733004		
Acute drug-induced tubulointerstitial nephritis	32093003		
Chronic drug-induced interstitial nephritis	236452000		
Myeloma kidney	32278006		
Granulomatous interstitial nephritis	236458001		
Sarcoidosis	154425004		
Idiopathic	K006		
Other	K018		
drug-induced	K010		
<b>Acute tubular necrosis</b>	<b>35455006</b>		
ischaemic	K009		
drug-induced	K010		
toxic	K011		
Idiopathic	K006		
Other	K018		
<b>Vascular disease NOS</b>	<b>K012</b>		
Hypertensive renal disease	38481006		
Cholesterol embolus syndrome	236489002		
Renal vasculitis	95578000		
Idiopathic	K006		
Other	K018		
<b>Transplant kidney biopsies</b>			
Chronic cyclosporin A nephrotoxicity	236522005		
drug toxicity	K010		
infection	40733004		
recurrent GN	K015		
other recurrent disease	K016		
De novo transplant disease	236585005		
De novo glomerulonephritis	236586006		
reflux/obstruction	K017		
<b>Acute rejection of renal transplant</b>	<b>236574008</b>		
Hyperacute rejection of renal transplant	236571000		
Acute rejection of renal transplant - Type IA	236575009A		
Acute rejection of renal transplant - Type IB	236575009B		
Acute rejection of renal transplant - Type IIA	236576005A		
Acute rejection of renal transplant - Type IIB	236576005B		
Acute rejection of renal transplant - grade III	236577001		
Borderline for acute rejection of renal transplant	236573002		
Antibody mediated rejection	?	26522000	NB this does not refer specifically to kidney transplants
<b>Chronic rejection of renal transplant</b>	<b>236578006</b>		
Chronic rejection of renal transplant - grade 1	236579003		
Chronic rejection of renal transplant - grade II	236580000		
Chronic rejection of renal transplant - grade III	236581001		
Chronic interstitial fibrosis and tubular atrophy (IFTA - previously CAN)	?		
<b>Kidney</b>	<b>181414000</b>		
Normal	17621005		
Inadequate	71978007		
Uncertain	64957009		