Pyelonephritis

With (e.g., calculus, contracted kidney)
* Complicating pregnancy, childbirth or the pueperium
* Pyeloureteritis cystica

Acute
Calculus
Chronic
In (due to) (e.g., brucellosis, cryoglobulinemia, obstruction...)
Nonobstructive
Syphilitic

Acute
Bacteria
Virus

Bacterial agent
Bacteroides fragilis (B. fragilis)
Clostridium perfringens (C. perfringens)
Enterobacter sakazakii
Enterococcus
Escherichia coli (E. coli)
Helicobacter pylori (H. pylori)
Hemophilus influenzae (H. influenzae)
Klebsiella pneumoniae (K. pneumoniae)
Mycoplasma pneumoniae (M. pneumoniae)
Proteus (mirabilis) (morganii)
Pseudomonas aeruginosa (mallei) (pseudomallei)
Staphylococcus
Streptococcus
Vibrio vulnificus

Viral agent
Adenovirus
Coronavirus
Coxsackievirus
Echovirus
Enterovirus
Hantavirus (with renal manifestations) (Dobrava) (Puumala) (Seoul)
Human immunodeficiency retrovirus, type 2 (HIV 2)
Human metapneumovirus
Human papilloma
Human T-cell lymphotropic retrovirus, type 1 (HTLV-I)
Human T-cell lymphotropic retrovirus, type 2 (HTLV-II)
Lentivirus
Onco virus
Papillomavirus
Parvovirus
Reovirus
Respiratory syncytial virus
Retrovirus
Severe acute respiratory syndrome (SARS-associated)