

Index

- Acidosis, 50–51, 77
- Acute tubular necrosis, 3–36
- causes, 3–5
 - clinical signs, 5–11
 - diuretic phase, 34–35
 - hepatorenal syndrome and, 39
 - histology, 4
 - investigations, 11–20
 - ischaemic, 4
 - management, 20–35
 - nephrotoxic, 5
 - oliguric phase, 20–34
 - pathology, 3–4
 - pathophysiology, 7
 - prognosis, 34–36
 - recovery of renal function, 35
- Allopurinol, 87
- Aluminium hydroxide, 92
- Amino acids, 91
- Amyloid, 45, 73
- Anaemia
- in acute tubular necrosis, 30
 - in chronic renal failure, 61–62, 94
 - microangiopathic haemolytic, 43
- Analgesic nephropathy, 56–57, 85
- Aneurysm
- berry, 55
 - dissection of abdominal aortic, 41
- Anion gap, 77
- Antibiotics
- in acute tubular necrosis, 28–29
 - in chronic renal failure, 83
- Anticoagulants
- for renal vein thrombosis, 45
 - See also* Heparin
- Arteries, calcification, 69, 71
- renal, lesions, 41
- Arteriography, renal
- in cortical necrosis, 37
- Arthritis, gouty, 87
- Aspirin toxicity, 56
- Atheroma, 59
- Biopsy
- in accelerated hypertension, 42
 - in acute tubular necrosis, 17
 - in chronic renal failure, 73–75
 - in cortical necrosis, 37
- Blood disorders, in chronic renal failure, 61–63
- Calculi, 73
- Caloric requirements
- in acute tubular necrosis, 25
 - in chronic renal failure, 89, 91
- Carbohydrate requirements
- in acute tubular necrosis, 25
 - in chronic renal failure, 89
- Carbon tetrachloride toxicity, 39
- Catheter infections, 29
- Chronic renal failure, 49–105
- causes, 52–57
 - clinical features, 58–72
 - complications, 88–94
 - investigations, 72–78
 - treatment, 79–94
- Cirrhosis, 40
- Cortical necrosis, 37–38
- Dialysis
- access, 95–96
 - cost, 101
 - diet and, 98–99
 - employment and, 99–100
 - family and, 100
 - in accelerated hypertension, 42
 - in acute tubular necrosis, 21, 31–33
 - in chronic renal failure, 95–103
 - in obstruction, 48
 - in postpartum nephrosclerosis, 44
 - patient problems, 98–103
 - patient selection, 101–2
 - psychology, 100
 - role, 96–98
 - success, 101
- Diarrhoea, 60

- Diazoxide, 81
- Diet
 in acute tubular necrosis, 24–27
 in chronic renal failure, 88–92
 in dialysis, 98–99
- Digoxin, 22
- Disseminated intravascular coagulation, 10, 30
- Diuresis
 post-acute tubular necrosis, 34–35
 post-obstruction, 48
- Diuretics, 23–24
See also Mannitol and Frusemide
- Dopamine, 23
- Doxycycline, 85
- Drugs
 causing acute tubular necrosis, 5, 10–11, 39
 causing hepatic and renal failure, 39
 dosage, 84
 effect on uraemic metabolism, 85
 for hypertension, 80–82
 renal excretion, 84–85
- Electrolyte replacement
 in acute tubular necrosis, 20
 in obstruction, 48
- Embolism
 pulmonary, 61
 renal artery, 40
- Erythropoietin, 62
- Ethylene glycol toxicity, 39
- Fibrosis, retroperitoneal, 55
- Fluid losses
 in acute tubular necrosis, 7–9, 20
 in chronic renal failure, 83
- Fluid overload
 in acute tubular necrosis, 9
 in dialysis, 102–3
- Fluid restriction, 98–99
- Frusemide
 in acute tubular necrosis, 23–24
 in chronic renal failure, 81–82
- Gastrointestinal tract disorders, 60
- Gentamicin
 in acute tubular necrosis, 28
 toxicity, 11
- Goodpasture's syndrome, 44, 74
- Haemodialysis, 32–43
- Haemolytic uraemic syndrome, 42–43
- Haemorrhage
 subarachnoid, 55
- Henoch–Schönlein purpura, 44
- Heparin
 for haemolytic uraemic syndrome, 43
 for Moschowitz's syndrome, 43
 for postpartum nephrosclerosis, 44
- Hepatorenal syndrome, 39–40
- Hydrallazine, 81
- Hyperaldosteronism, 77
- Hypercalcaemia, 86–87, 93
- Hyperkalaemia
 in acute tubular necrosis, 6–8, 21
 in chronic renal failure, 77, 86
 in dialysis, 103
- Hyperparathyroidism, secondary, 63–64
- Hypertension
 accelerated, 42
 following dialysis, 98, 103
 following postpartum nephrosclerosis, 44
 in chronic renal failure, 55, 58–59, 79–82
 treatment, 79–82
- Hyperuricaemia, 87
- Hypocalcaemia, 94
- Hypokalaemia, 77, 86, 103
- Hyponatraemia, 40, 77
- Hypovolaemia, 7–9, 82–83
- Infection, 9–10, 27–30, 46–47, 62–63, 83, 103
- Insulin, 21, 25–26
- Intact nephron hypothesis, 50
- Intralipid, 26
- Ischaemia, 4, 73
- Jaundice, 39
- α -ketoacids, 91
- Kidney
 function, 49–51
- Lincomycin, 28–29
- Lungs, uraemic, 61
- Lymphocytes, 62–63
- Mannitol, 24, 39
- Membranous nephropathy, 45
- Mesangial IgA disease, 74
- Methyldopa, 81
- Metronidazole, 29
- Microvasculature, renal, 42–44
- Minoxidol, 81
- Moschowitz's syndrome, 43
- Nalidixic acid, 83
- Necrosis
 acute tubular, 3–36
 cortical, 37–38
 papillary, 85
- Nephropathy
 analgesic, 56–57
 calculus, 73
 membranous, 45
- Nephrosclerosis, postpartum, 44
- Nephrotoxins, 5, 10–11

- Nervous system disorders, 60–61
 Neuropathy, peripheral, 60
 Nitrofurantoin, 83
 Nitrogen balance
 in acute tubular necrosis, 25
 in chronic renal failure, 89
 Nursing measures, 29
 Nutrition *See* Diet
- Obstruction
 biliary, 39
 renal
 in acute renal failure, 46–48
 in chronic renal failure, 55, 73, 87–88
 relief, 88
 Oliguria, 20–24
 in cortical necrosis, 37
 Osteodystrophy, renal, 54, 63, 93–94
 Osteomalacia, 64–69
 Osteoporosis, 71
 Oxalosis, 74
- Paracetamol toxicity, 39, 56
 Parathyroid hormone, 66–67
 Parathyroidectomy, 93–94
 Parotitis, 10, 29
 Pelvis, infection, 9
 Penicillin toxicity, 11
 Peptic ulcers, 60
 Pericarditis, 59
 Peritoneal dialysis, 33
 Phenacetin toxicity, 56–57
 Phosphate binders, 92
 Plasma exchange, 43
 Polyarteritis nodosa, 44
 Polycystic renal disease, 54–55, 73
 Postpartum nephrosclerosis, 44
 Potassium balance, 85–86, 99, 103
 Propranolol, 81, 85
 Protein restriction, 88–91, 98
 Proteinuria, 72–73
 Purpura, thrombotic thrombocytopenic, 43
 Pyelonephritis, chronic, 52–54, 72, 73
- Respiratory tract infection, 9, 29
- Salt replacement, 82–83
- Salt restriction, 81
 Serum
 creatinine measurements, 19–20
 urea measurements, 19
 Shock, 22
 Skin disorders, 59–60
 Sodium
 for acute tubular necrosis, 21
 in chronic renal failure, 82
 Soft tissue calcification, 69–71
 Spironolactone, 86
 Steroids
 for haemolytic uraemic syndrome, 43
 for Moschowitz's syndrome, 43
 for postpartum nephrosclerosis, 44
 Systemic lupus erythematosus, 44
- Tetracyclines, 85
 Thrombosis, renal vein, 44–45
 Transplantation, 103–5
 for accelerated hypertension, 42
 renal vein thrombosis following, 45
- Urinary tract infections
 causing acute tubular necrosis, 9
 in chronic renal failure, 83
 Urogram, i.v.
 in accelerated hypertension, 42
 in acute tubular necrosis, 15–19
 in chronic renal failure, 52, 73–74
 in chronic pyelonephritis, 52
 in glomerulonephritis, 44
 in obstruction, 47, 55
- Vasculature. *See* Arteries, Veins,
 Microvasculature
 Veins, renal thrombosis, 44–45
 Vesicoureteric reflux, 73
 Vitamin D
 in osteodystrophy, 66–67, 93
 Vitamin requirements
 in acute tubular necrosis, 27
 in chronic renal failure, 91
 in dialysis, 99
- Wegener's granulomatosis, 44