

Preface

Terminology and abbreviations

The body fluids

Essential anatomy of the kidney

Glomerular filtration

Tubular transport

The Proximal tubule

The loop of Henle, distal tubule and collecting duct

Renal blood flow and glomerular filtration rate

Regulation of body fluid osmolality

Regulation of body fluid volume

Renal regulation of body fluid pH

Renal control of body fluid potassium content

Renal regulation of body calcium, magnesium and phosphate

Summary of the principal reabsorptive and secretory processes in the nephron segments

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