Table (5). Causes of hypomagnesaemia

Redistribution of magnesium Correction of acidosis Catecholamine excess Massive blood transfusion Reduced intake Mg free intravenous fluids Dietary deficiency Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Renal loss Reduced sodium reabsorption Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus Alcoholism		Refeeding and insulin therapy
Catecholamine excess Massive blood transfusion Reduced intake Mg free intravenous fluids Dietary deficiency Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Renal loss Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus	Redistribution of magnesium	Hungry bone syndrome
Massive blood transfusion Reduced intake Mg free intravenous fluids Dietary deficiency Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Renal loss Renal loss Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Correction of acidosis
Reduced intake Mg free intravenous fluids Dietary deficiency Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Renal loss Renal loss Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Catecholamine excess
Mg free intravenous fluids Dietary deficiency Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Renal loss Renal loss Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Massive blood transfusion
Gastrointestinal causes Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Reduced sodium reabsorption Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus	Gastrointestinal causes	Reduced intake
Reduced absorption Malabsorption syndrome Chronic diarrhea Intestinal resection Renal loss Renal loss Renal loss Renal disease Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Mg free intravenous fluids
Malabsorption syndrome Chronic diarrhea Intestinal resection Reduced sodium reabsorption Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Dietary deficiency
Chronic diarrhea Intestinal resection Reduced sodium reabsorption Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Reduced absorption
Renal loss Reduced sodium reabsorption Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Malabsorption syndrome
Renal loss Reduced sodium reabsorption Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Chronic diarrhea
Renal loss Saline infusion Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Endocrine causes Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Intestinal resection
Diuretics Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Endocrine causes Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus	Renal loss	Reduced sodium reabsorption
Post obstructive nephropathy Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Saline infusion
Post renal transplantation Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Diuretics
Renal disease Dialysis Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus	Renal disease	Post obstructive nephropathy
Diuretic phase of acute renal failure Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Post renal transplantation
Inherited disorders Hypercalcaemia Primary hyperparathyroidism Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Dialysis
Hypercalcaemia Primary hyperparathyroidism Endocrine causes Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Diuretic phase of acute renal failure
Primary hyperparathyroidism Endocrine causes Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Inherited disorders
Endocrine causes Malignant hypercalcaemia Hyperthyroidism Hyperaldosteronism Diabetes mellitus	Endocrine causes	Hypercalcaemia
Hyperthyroidism Hyperaldosteronism Diabetes mellitus		Primary hyperparathyroidism
Hyperaldosteronism Diabetes mellitus		Malignant hypercalcaemia
Diabetes mellitus		Hyperthyroidism
		Hyperaldosteronism
Alcoholism	Diabetes mellitus	
Diuretics	Drugs	Diuretics
Drugs Cytotoxic drugs		Cytotoxic drugs
Antimicrobial agents		Antimicrobial agents
Beta adrenergic agonists		Beta adrenergic agonists