

iRAT

Parenteral Nutrition

Fluid requirements

Increased in

- Fever
- Diarrhea

Decreased in

Renal failure
Congestive heart failure
Cirrhotic ascites
Pulmonary disease

Special populations

	Fluid	Protein	Carbohydrate	Lipids
Diabetes			X	
Acute renal failure	X	X		
Pulmonary disease	X		X	
Hepatic disease	X	XX	X	X
Cardiac disease	X			