

## **Hepatorenal Syndrome (HRS)**

HRS is the development of renal failure in someone that has chronic liver disease with portal hypertension and ascites. It is caused by reduced systemic vascular resistance and arterial hypotension. It occurs in at least 40% of the patients with cirrhosis and ascites.

There are 2 types of HRS:

- Type 1 - rapid onset and progressive renal impairment
- Type 2 - moderate and stable reduction in the GFR and slower progression.

For more information, see the article by Parke, Martin, and Bunnapradist:

<http://onlinelibrary.wiley.com/doi/10.1002/cld.485/full>

Parke, C. Y., Martin, P. and Bunnapradist, S. Renal dysfunction in cirrhosis. *Clinical Liver Disease*. 2015 5: 150–153.