

## Clinical Pearl

### Approach to a case of Hepatitis C positive patient in the OPD.

- HCV infection can be cured, it is important to detect and treat the patient early.
- When a patient presents with a HCV positive report send patients HCV RNA (Viral load) test.
- If the Viral load report shows detectable levels, HCV Virus is still present in the host
- If the Viral load report shows Undetectable levels, HCV infection has resolved.
- If patient is more than 18 years of age, start treatment.
- If patients age is more than 18 years- Look for cirrhosis, APRI >2. (APRI is AST to platelet ratio index x100).
- If patient has no liver cirrhosis, start patient on regimen Sofosbuvir + daclatasvir for 12 weeks
- If patient has liver cirrhosis screen further for compensated or Non compensated liver cirrhosis.
- If patient has compensated liver cirrhosis-start on regimen Sofosbuvir + Velpatasvir for 12 weeks
- If patient has Non compensated liver cirrhosis- (Presence of Total bilirubin > 2.5 x ULN + INR >1.5, Encephalopathy, Ascites) start patient on regimen Sofosbuvir + velpatasvir+ ribavirin for 24 weeks

Regime type	Category of patients	Regime recommended	Duration of Treatment
I	Patient without cirrhosis(uncomplicated)	Sofosbuvir(400mg) & Daclatasvir(60mg)*	84 days (12 wks)
II	Patient with cirrhosis-compensated (Child-Pugh A)	Sofosbuvir(400mg) + Velpatasvir(100mg)	84 days(12 wks)
III	Patient with cirrhosis- decompensated (Child-Pugh B and C)**	Sofosbuvir(400mg) + Velpatasvir (100mg) & Ribavirin(600-1200mg**)	84 days(12 wks)
		In Ribavirin intolerant patients - Sofosbuvir(400mg) + Velpatasvir(100mg)	168days ( 24 wks)

\*dose adjustments in PLHIV, renal insufficiency, etc. \*\* Refer to the Model Treatment Center (MTC)

Name of drug	Dosage
Sofosbuvir	400 mg once a day
Daclatasvir	60mg once a day
Sofosbuvir + Velpatasvir	Sofosbuvir(400mg) + Velpatasvir (100mg) once a day
Ribavirin	800-1200 mg (to be decided based on weight, hemoglobin level, renal function and presence of cirrhosis)