Hospital Garcia de Orta



SERVIÇOS FARMACÊUTICOS **HOSPITAL GARCIA DE ORTA**

BACKGROUND

Hepatitis C virus (HCV) infection is one of chronic liver disease major causes. Due to HCV infection prevalence in European Regions (1.5%)¹, there has been increasing health expenditure in order to HCV eradication.

HEPATITIS C TREATMEMNT: COST AND EFFECTIVENESS

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49 patients			185 patients		
2011	87.8% male	2	2017	75.0% male	
	44.4±7.1 years			52.2±9.9 years	
	40.8% co-infected			28.1% co-infected	
	51.0% genotype 1			64.9% genotype 1	
	12.2% were previously treated		11.4% were pre- treated (4 with		1
_ [73.5% were treated with			Treatments	
	IFN α 2a-RIB and remaining	Ledi	Ledipasvir/Sofosbuvir		71.9%
	with IFNα2b-RIB	Sofo	Sofosbuvir/Velpatasvir		7.6%
		Elba	Elbasvir/Grazoprevir		7.0%
			Sofosbuvir		7.0%
PrOD					3.2%
	or moderate fibrosis (FD≥2).		Daclatasvir+Sofosbuvir		2.3%
			Sofosbuvir+PrOD		0.5%
	Υ.		oistavir	/Paritaprevir/Ritonavir	0.5

PURPOSE

Assess cost, effectiveness and safety of treated HCV patients with pegylated (IFN-RIB) interferon-ribavirin direct compared to new acting antivirals (DAA).

MATERIAL and **METHODS**

Retrospective observational comparative study of two cohort of patients including HCV patients who started and finished treatments with IFN-RIB in 2011 (except above 12) months) and with DAAs in 2017.

IFN-RIB

- Average treatment: - 8.1months/patient
- 70.4% 12 weeks length
- 36.7% treatments were discontinued:
 - Serious adverse reactions
 - Patients non-responders

2011 VS

2017

increasing of

DAA

- Average treatment:
 - 3.5months/patient
- Fewer and lower severity adverse reactions
- 0% treatments were discontinued

4287,7€/patient 14867,1€/patient 1309.2% annually 53.1% success rate 96.8% success rate 2018 prices of treatment/patient 23/49 patients were are half of 2017 posteriorly treated with DAA

Exclusion criteria: deaths, no therapeutic adherence and transfer to another hospital. Data were extracted from electronic records.



Incremental Cost-Effectiveness Ratio (DAA/IFN-RBV) 238,1€/patient successfully treated

CONCLUSION

DAAs treatments have higher effectiveness against HCV infection (>95%), treatments are shorter, more effective and safer than older therapies, despite higher costs.

REFERENCES

1. Centre for Disease Prevention and Control. Systematic review on hepatitis B and C prevalence in the EU/EEA. Stockholm: ECDC; 2016.

24th Congress of the EAHP. 27-29 March 2019 Abstract Number: 1ISG-006

