Report ZEPATIER® elbasvir/grazoprevir

Product &	Authorized indications	Essential therapeutic features	NHS impact
Mechanism of action	Licensing status	·	
		Summary of clinical EFFICACY: NCT03379506 is a phase Ilb, open-label, multi-cohort study (Cohort 1: n=22, pts aged 12 to <18 years of age; Cohort 2: n=17, pts aged 7 to <12 years of age; and Cohort 3: n=11, pts aged 3 to <7 years of age) investigating the pharmacokinetics, safety and efficacy of elbasvir/grazoprevir FDC in pediatric pts with chronic HCV. Cohort 1 received elbasvir/grazoprevir 30 mg/60 mg pediatric granules once daily for 12 weeks. Cohort 2 received elbasvir/grazoprevir 25 mg/50 mg once daily for 12 weeks. The efficacy endpoint was the percentage of pts with SVR12 after discontinuation of therapy. SVR was defined as HCV-RNA <lloq (0%,="" (100%)="" (13.64%,="" (18.18%,="" (36.36%,="" (4.55%)ptsin="" (76.47%)="" (77.27%)="" (81.82%)="" (9.09%)="" (95%="" (dyspepsia).="" (for="" (in="" (one="" 0%),="" 0%,="" 1="" 1,="" 100.0)="" 100.0).="" 11="" 11.76%,="" 12="" 13="" 17="" 18.18%)[3,4]="" 18.18%,="" 1:="" 2="" 2,="" 22="" 27.27%),="" 2:="" 3="" 3,="" 3.="" 3:="" 5.88%,="" 71.5="" 80.5="" 84.6="" 9="" 90.),="" <="" [3,4].="" abdominal="" achieved="" aeoccurred="" aes="" after="" all="" and="" bronchitis="" ci:="" clinical="" cohort="" common="" completing="" discontinued="" dizziness="" for="" fracture),="" hand="" in="" indication):no="" indication:yes="" indications:no="" infection="" most="" nasopharyngitis="" nausea="" nct03379506="" no="" non-serious="" occurred="" of="" ongoing="" other="" pain="" pts="" pyrexia="" reported="" respectively):headache="" respiratory="" sae="" safety:="" same="" studies="" studies:="" study="" subjects="" summary="" svr12="" td="" the="" therapy.="" to="" tract="" upper="" weeks="" were="" yomiting="" •=""><td>Cost of therapy: In Italy, the price of 28 tablets/pack of elbasvir/grazoprevir 50mg/100mgis 22.342,29€ (retail price) [5].12 week-treatment costs67.026,87 € Epidemiology: In Italy, the incidence of CHC at December 2020 was: - 0/100.000 among children aged 0-14 years old; - 0,04/100.000 among people aged 15-24 years old [6] POSSIBLE PLACE IN THERAPY In adolescents aged 12–17 years or weighing at least 35 kg with chronic HCV, WHO recommends: • sofosbuvir/ledipasvir for 12 weeks (or 24 weeks in pts who are treatment experienced and with compensated cirrhosis) in genotypes 1, 4, 5 and 6; • sofosbuvir/ribavirin for 12 weeks in genotype 2; • sofosbuvir/ribavirin for 12 weeks in genotype 3 [7]. OTHER INDICATIONS IN DEVELOPMENT: - SAME INDICATION IN EARLIER LINE(S) OF TREATMENT:- OTHER DRUGS IN DEVELOPMENT for the SAME INDICATION: Glecaprevir/pibrentasvir [8] *Service reorganization: No *Possible off label use: Yes, for pts aged < 12 years</td></lloq>	Cost of therapy: In Italy, the price of 28 tablets/pack of elbasvir/grazoprevir 50mg/100mgis 22.342,29€ (retail price) [5].12 week-treatment costs67.026,87 € Epidemiology: In Italy, the incidence of CHC at December 2020 was: - 0/100.000 among children aged 0-14 years old; - 0,04/100.000 among people aged 15-24 years old [6] POSSIBLE PLACE IN THERAPY In adolescents aged 12–17 years or weighing at least 35 kg with chronic HCV, WHO recommends: • sofosbuvir/ledipasvir for 12 weeks (or 24 weeks in pts who are treatment experienced and with compensated cirrhosis) in genotypes 1, 4, 5 and 6; • sofosbuvir/ribavirin for 12 weeks in genotype 2; • sofosbuvir/ribavirin for 12 weeks in genotype 3 [7]. OTHER INDICATIONS IN DEVELOPMENT: - SAME INDICATION IN EARLIER LINE(S) OF TREATMENT:- OTHER DRUGS IN DEVELOPMENT for the SAME INDICATION: Glecaprevir/pibrentasvir [8] *Service reorganization: No *Possible off label use: Yes, for pts aged < 12 years
		2. https://www.ema.europa.eu/en/medicines/human/summaries-opinion/zepatier 3. https://clinicaltrials.gov/ct2/show/NCT03379506?term=NCT03379506&draw=2&rank=1 4. https://www.clinicaltrialsregister.eu/ctr-search/trial/2015-003006-16/results 5. https://gallery.farmadati.it/Home.aspx	*Possible off label use: Yes, for pts aged < 12