Report EVKEEZA® Evinacumab

Product &	Authorized indications	Essential therapeutic features	NHS impact
Mechanism of	Licensing status		
action		C. C. L. LETTING OV	0 . (=)
Substance:	Authorized Indication:	Summary of clinical EFFICACY:	Cost of Therapy:
evinacumab	EMA: evinacumab is indicated as an	ELIPSE HoFH (NCT03399786) is a double-blind, placebo-controlled, phase 3 trial that enrolled pts ≥12 years of age	The US price for evinacumab (150
Duom d Nomes	adjunct to diet and other LDL-C lowering	with HoFH. 65 pts, who were receiving stable lipid-lowering therapy, were randomized 2:1 to receive evinacumab IV	mg/mL) is 11,265.13 \$ for a 2.3 mL
Brand Name: Evkeeza®	therapies for the treatment of adults and	(15 mg/kg every four weeks) or placebo. After completion of the double-blind period, pts had the option of entering	vial.
EVKeeza	adolescents with HoFH aged ≥12 years [3].	a 24-week open-label study. The primary endpoint was the percent change in the calculated LDL-C level from baseline to week 24 during the	The cost for an infusional therapy calculated for a 74 kg patient (15
Originator/licens	FDA: EVKEEZA is an ANGPTL3 inhibitor	double-blind treatment period. At week 24, pts in the evinacumab group had a 47.1% reduction from baseline in the	mg/kg, four-weeks infusion) is
ee: Regeneron	indicated as an adjunct to other LDL-C	LDL-C level, as compared with a 1.9% increase in the placebo group, for a between-group least-squares mean	45,060.52 \$ [7].
Ireland	lowering therapies for the treatment of	difference of -49.0 percentage points (95% CI, -65.0 to -33.1; p<0.001) [4] [5].	45,000.52 \$ [7].
Designated	adult and pediatric pts with HoFH aged >12	difference of 45.0 percentage points (55% ci, 65.0 to 55.1, p.0.001) [4] [5].	Epidemiology:
Activity Company	years [2].	Summary of clinical SAFETY:	HoFH is a rare disease, with an
(DAC)	years [2].	AEs during the treatment period occurred in 29/44 pts (66%) in the evinacumab group and in 17/21 (81%) of those in	incidence of approximately 1 in
(27.0)	Route of administration: IV	the placebo group.	300,000 to 1 in 1,000,000 people
Classification:		SAEs during the treatment period occurred in 2/44 pts (5%) in the evinacumab group and were reported as urosepsis	worldwide [6][8].
NCE	Licensing status	and a suicide attempt. An influenza-like illness was reported in 5/44 pts (11%) in the evinacumab group and in no pts	
	EU CHMP P.O. date: 22/04/2021	in the placebo group. No pts discontinued either evinacumab or placebo because of an AE; there were no deaths [4]	POSSIBLE PLACE IN THERAPY
ATC code:	FDA M.A. date: 11/02/2021	[6].	Statins are first-line therapy for
C10AX17 [1]	·		treating HoFH. The combination
	EU Speed Approval Pathway: No	Ongoing studies:	with ezetimibe is recommended as
Orphan Status:	FDA Speed Approval Pathway: No	• For the same indication: Yes	second-line of treatment.
Eu: No		For other indications: Yes	Combination therapies with bile
Us: Yes	ABBREVIATIONS:		acid sequestrants, niacin or fibrates
	AEs: Adverse Events	[Phase III, but if it is an O/OE drug, also Phase II]	could represent an option as third
Mechanism of	ANGPTL3: Angiopoietin-like 3		line therapy.
action:	CHMP: Committee for Medicinal Products for	Discontinued studies (for the same indication): No	Lomitapide or evolocumab could
evinacumab binds	Human Use	References:	be used as last option of treatment,
and inhibits	CI: Confidence Interval	1. https://www.whocc.no/ddd/lists of temporary atc ddds and alterations/atc codes/?order by=1	in addition to a basal hypolipidemic
ANGPTL3 that	EL: Endothelial Lipase	2. https://www.accessdata.fda.gov/drugsatfda_docs/label/2021/761181s000lbl.pdf	therapy [9].
plays a role in the	HDL-C: High-density Lipoprotein-Cholesterol	3. https://www.ema.europa.eu/en/medicines/human/summaries-opinion/evkeeza	
regulation of lipid	HoFH: Homozygous Familial	4. Raal F.J., Rosenson R.S. et al.: Evinacumab for Homozygous Familial Hypercholesterolemia; N Engl J Med 2020; 383:711-20.	OTHER INDICATIONS IN
metabolism by	Hypercholesterolaemia	5. https://www.accessdata.fda.gov/drugsatfda_docs/nda/2021/761181Orig1s000MedR.pdf 6. https://clinicaltrials.gov/ct2/show/NCT03399786?term=NCT03399786&draw=2&rank=1	DEVELOPMENT:
inhibiting LPL and	IV: intravenous	6. https://clinicaltrials.gov/ct2/show/NCT03399786?term=NCT03399786&draw=2&rank=1 7. https://www.drugs.com/price-guide/evkeeza	Hypertriglyceridemia [10].
EL. This inhibition leads to reduction	LDL: Low-density Lipoprotein	8. https://www.osservatoriomalattierare.it/malattie-rare/ipercolesterolemia-familiare	SAME INDICATION IN EARLIER
in HDL-C, TG and	LDL-C: Low-density Lipoprotein-Cholesterol	9. https://bur.regione.veneto.it/BurvServices/pubblica/Download.aspx?name=98 Allegato A DDR 98 06-10-	LINE(S) OF TREATMENT: -
LDL-C by	LPL: Lipoprotein Lipase	2016 332625.pdf&type=4&storico=False	LINE(3) OF TREATIVIENT
promoting VLDL	M.A.: Marketing Authorization	10. https://clinicaltrials.gov/ct2/results?cond-&term=&type=Intr&rslt=&recrs=b&recrs=a&recrs=f&recrs=d&age-v=&gndr=&intr=Evinacumab&titles	OTHER DRUGS IN DEVELOPMENT
processing and	P.O.: Positive Opinion	=&outc=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=1&phase=2&rsub=&strd_s=&strd_e=&prcd_s=&prcd_e=&sfpd_s=&sfp	for the SAME INDICATION:
clearance	Pts: patients	d e=&rfpd s=&rfpd e=&lupd s=&lupd e=&sort=	Inclisiran, lerodalcibep, IBI306 [11].
upstream of LDL	SAEs: Serious Adverse Events	11.	