## Report ZEPOSIA® ozanimod

Product &	Authorized indications		NHS impact						
Mechanism of action	Authorized indications Essential therapeutic features Licensing status								NOS IIIIPACE
Substance:ozanimod	Authorized Indication:	Summary of clinical EFFICACY:						Cost of therapy:	
	EMA:Ozanimod is indicated for the	NCT02435992 is a multicenter, randomized clinical study aiming to determine the efficacy of ozanimod as induction and maintenance							The Italian price for a one-month therapy with ozanimod
Brand Name:Zeposia	treatment of adult pts with	therapy in adults with moderately to severely active UC. Pts were required to have received stable doses of oral aminosalicylates or							0.92 mg is 1,855.62 €* [6].
	moderately to severely active UC	glucocorticoids (prednisone at a dose of ≤20 mg per day orbudesonide) or both for at least two weeks before screening endoscopy and to						*Retail price including VAT.	
Originator/licensee:Bristol-	who have had an inadequate	continue receiving the same dose for the duration of the induction period; the glucocorticoid dose had to be tapered once the patient entered the maintenance period. Pts were excluded from the trial if they had not had a response to induction therapy with at least two							
Myers Squibb Pharma EEIG	response, lost response, or were	l l	•	Epidemiology:					
	intolerant to either conventional	biologic agents approved for the treatment of UC, had a clinically relevant cardiac condition, or had a historyof uveitis or macular edema.						<mark>-</mark>	In Italy, the available incidence estimates are generally
Classification:NI	therapy or a biologic agent [2].	<ul> <li>Induction study: Pts were divided in two cohorts: those who had previous exposure with TNF antagonists and, once their percentage reached 30% in cohort one, they were assigned to cohort two. Pts without prior I</li> </ul>					•	based on relatively small populations. A review basedon 16	
470 L 1044430	<b>50.</b> 0 . 1. 640 .			studies reported for the early 2010s incidence rates of UC as					
ATC code:L04AA38	FDA: Ozanimod is a S1P receptor		allocated in cohort one until enrollment was closed, at that time such pts were assigned to cohort two.						10-15 cases per 100,000inhabitants per year [7].
Overhaustatus	modulator indicated for the	Cohort One: Subjects (n=645) were randomized 2:1 to either ozanimod 0.92 mg (n=430) given orally QD or placebo (n=216) for 10 weeks, in a double-blind fashion, beginning with a dosage titration.						POSSIBLE DI ACE IN THERADY	
OrphanStatus: Eu: No	treatment of moderately to severely active UC in adults [3].	Cohort Two: Subjects (n=367) received open-label ozanimod 0.92 mg orally QD for 10 weeks.						POSSIBLE PLACE IN THERAPY  In pts with moderately to severely active UC, the ACG	
Us: No	severely active oc in addits [5].	The primary endpoint was the proportion of pts in clinical remission based on components of MCS*at week 10. The proportion of pts						Clinical Guidelines recommend anti-TNF therapy using	
OS. NO	Route of administration: OS			adalimumab, golimumab, or infliximab for induction of					
Mechanism of action:	Route of administration.	meeting clinical remission in the ozanimod arm was 18% vs. 6% in the placebo arm. The difference between treatments was 12% (95% CI, 8-17; p<0.001) [3-5].							remission. For pts who have previously failed anti-TNF
Ozanimod is a S1P receptor	Licensing status			therapy, tofacitinib is recommended for induction of					
modulator, which binds	EU CHMP P.O. date:14/10/2021	· · · · · · · · · · · · · · · · · · ·							remission [8].
selectively to S1P receptor	FDA M.A. date: 27/05/2021	blind fashion for 42 weeks, for a total of 52 weeks of treatment.							
subtypes 1 and 5. Ozanimod	, , , ,								OTHER INDICATIONS IN DEVELOPMENT: Yes(Multiple
causes lymphocyte retention in	EU Speed Approval Pathway:No	included	I in the maintenance period could enter t	Sclerosis, Crohn Disease) [4].					
lymphoid tissues[1].	FDA Speed Approval Pathway: No	The prim	nary endpoint was the proportion of pts i						
	The proportion of pts meeting clinical remission in the ozanimod arm was 37% vs. 19% in the placebo arm. The difference be								SAME INDICATION IN EARLIER LINE(S) OF TREATMENT: No.
	ABBREVIATIONS:	CG: American Gastroenterological sociation *Clinical remission, assessed through the MCS, isdefined as follows: a rectal-bleeding subscore of 0; a stool-frequency subscore of 1 or less,							
	_								OTHER DRUGS IN DEVELOPMENT for the SAME
									INDICATION: Yes(Ontamalimab, Visilizumab, Efavaleukin
	AEs: Adverse Events ALT: alanine aminotransferase	with a ac	with a decrease of at least 1 point from baseline; an endoscopy subscore of 1 or less (all on scales from 0 to 3 [most severe]).						alfa) [4].  *Service reorganization Y/N: No
	CHMP: Committee for Medicinal	Summar	ov of clinical SAFETY[4 5]:	*Possible off label use Y/N: Yes					
	Products for Human Use	Julilliai	Summary of clinical SAFETY[4,5]:						1 Ossible off label ase 1/14. Tes
	<b>GGT</b> : γ-glutamyltransferase			Induction	period	Maintena	nce period	]	
	MA: Marketing Authorization			Placebo	Ozanimod	Placebo	Ozanimod		
	MCS: Mayo Clinical Score		AEs	38.0%	39.9%	36.6%	49.1%		
	OS: Oral Administration		SAEs	3.2%	5.0%	7.9%	5.2%	1	
	PO: Positive Opinion Pts: Patients		AEs leading to discontinuation	3.2%	3.5%	2.6%	1.3%	1	
	QD: Once Daily		Anemia	5.6%	4.3%	1.8%	1.3%		
	SAEs: Serious Adverse Events		Nasopharyngitis	1.4%	3.1%	1.8%	3.0%	1	References:
	S1P: Sphingosine 1-Phosphate		Headache	1.9%	3.0%	0.4%	3.5%	1	1.https://www.ema.europa.eu/en/documents/overview/zeposia-epar-
	TNF: Tumor Necrosis Factor		Increase of ALT	0	2.1%	0.4%	4.8%		medicine-overview en.pdf 2.https://www.ema.europa.eu/en/medicines/human/summaries-
	UC: Ulcerative Colitis		Arthralgia	1.4%	1.9%	2.6%	3.0%	1	opinion/zeposia-0
	vs.: versus		Increase of GGT	0	1.4%	0.4%	3.0%		3. https://www.accessdata.fda.gov/drugsatfda_docs/label/2021/20989
			Infections	11.6%	11.6%	11.9%	23.0%	1	9s001lbl.pdf 4.https://clinicaltrials.gov/ct2/home
				l .	1	1	1	1	5. https://pubmed.ncbi.nlm.nih.gov/34587385/
		Ongoing	studies:	6. https://gallery.farmadati.it/Home.aspx					
		<ul> <li>For the same indication: Yes</li> <li>For other indications: Yes</li> </ul>							7. https://pubmed.ncbi.nlm.nih.gov/33784448/ 8. https://www.io.nihr.ac.uk/wpcontent/uploads/2019/12/12986-
									TSID 10169-Filgotinib-for-Ulcerative-Colitis-V1.0-NOV2019-NON-
	Discontinued studies (for the same indication): No								<u>CONF.pdf</u>
			•						
	<u> </u>								

Issued on: 12/11/2021