Report Omaveloxolone –SKYCLARYS®

Product &	Authorized indications	Essential therapeutic features			NHS impact	
Mechanism of action	Licensing status					
Substance:omaveloxolone	Authorized Indication:	Summary of clinical EFFICACY:			Cost of therapy:	
	EMA:omaveloxoloneis indicated for the	The part 2 of the MOXIe (NCT02255435) study was an international, double-blind, randomized, pbo-controlled, parallel-group, phase II trial to assess			The cost for Skyclarys® oral capsule 50 mg is	
Brand Name:Skyclarys®	treatment of FA in adults and	the efficacy and safety of omaveloxolone in pts with FA.			around \$32,477 for a supply of 90 capsules [4].	
	adolescents aged <a>16 years [1].	Eligible pts were 16 to 40 years with genetically confirmed FA and baseline mFARS' scores between 20 and 80°, that could complete maximal exercise				
Originator/licensee:Reata		testing on a recumpent stationary bicycle.				Epidemiology:
Ireland Limited	FDA: omaveloxoloneis indicated for the	Isophy were screened, and to see randomly assigned to receive ornaveroson $(n = 51)$ or placedo $(n = 52)$, with 40 ornaveroson patients and 42 placedo patients applied at the full applies of (ES) LSS uses used for primary applies of efficiency and without patients and 42 placedo and 15 pl			The prevalence in the Caucasian population is	
Classification	adolosconts agod 16 years [2]	at least one postbaseline measurement. The primary outcome was change from baseline in mEARS score in those treated with omayeloxolone compared with those on pho after 48 weeks.			estimated at 1/20,000 – 1/50,000 [5].	
Classification.ince	audiescents aged 10-years [2].					
ATC code not vet assigned	Boute of administration: os	The primary concentration of the sector of			ΡΟSSIBLE PLACE IN THERAPY	
Are coucinot yet assigned	Nouce of duministration los	showed a difference between treatment grour	$navelox (0,0) = (1.55 \pm 0.05), 55\% = 2.55\%$	$P_{\rm M}^{\rm M}$ Cl = -4.31 to -0.5) [3].		There is no cure for the EA [5]
Orphan Status:	Licensing status	······································				
Eu: Yes	EU CHMP P.O. date:14/12/2023	P.O. date:14/12/2023 ¹ represent individuals just after the time of presentation at the mildest and several years loss of ambulation at the most severe date:28/02/2023 ² scores range from 0 to 99, with lower scores indicating better neurological function.				
Us: Yes	FDA M.A. date:28/02/2023					OTHER INDICATIONS IN DEVELOPMENT
		randomization was stratified by pes cavus (with and without pes cavus)			Mitochondrial disorders; Ocular inflammation;	
Mechanism of action:	EU Speed Approval Pathway:No	peed Approval Pathway:No Summary of clinical SAFETY				
omaveloxolone activates the	FDA Speed Approval Pathway:Yes	Safety analyses included ARP.				
Nrf2 pathway which is		lone group and pbo (both 100%). Most AE wer	6). Most AE were mild to moderate in intensity.		SAME INDICATION IN EARLIER LINE(S) OF	
involved in the cellular						TREATMENT: No
response to oxidative stress.	ABBREVIATIONS: AF: adverse event	Table 1: Summary of clinical safety				
which omaveloxolone exerts its therapeutic effect in patients with Friedreich's ataxia is unknown, but as Nrf2 activity is reduced in	ALT: alanine aminotransferase ARP: all randomized pts AST: aspartate aminotransferase CI: confidence interval Df: degrees of freedom FA: Friedreich's Ataxia FAS: full analysis set		Pbo (N=52), n (%)	Omaveloxolone (N=51), n (%)	INDICATION: Nomlabofusp [6].	
		Any AE	52 (100%)	51 (100%)		INDICATION.
		Any SAE	3 (6%)	5 (10%)		Nomlabofusp [6].
		Discontinuation due to AE	2 (4%)	4 (8%)		*Comico no constitution. Voc
		AE occurring in > 20% of pts were: contusion, headache, upper respiratory tract infection, excoriation in both groups, and nausea, ALT increased,				*Service reorganization: Yes
patients with Friedreich's		fatigue, diarrhea, abdominal pain and AST increased in omaveloxolone group. Apart from increases in aminotransferases, the excess occurrence of AE in pts receiving omaveloxolone was limited to the first 12 weeks of treatment as pts adjusted to treatment and developed improved drug tolerability. SAEs that occurring in up to 2% of pts were: atrial fibrillation, anemia, ankle fracture, craniocerebral injury, gallbladder disorder, laryngitis, noncardiac chest pain, palpitations, sinus tachycardia, vetricularVtachycardia, viral URTI [3].				Possible off label use.
ataxia, Nrf2 activators may	mFARS: modified Friedreich's Ataxia Rating					
be involved [1].	Nrf2: Nuclear factor (erythroid-derived 2)-like 2 P: p-value					
	Pbo: placebo	Ongoing studies:				
	Pes cavus: multiplanar toot deformity	For the same indication:Yes				
	longitudinal arch Pts: patients	For other indications: Yes				
	SAE: serious adverse event	Discontinued studies (for the same indication):No				
	URII: upper respiratory tract infection					
		References:				
	[1]. https://www.ema.europa.eu/en/medicines/human/EPAR/skyclarys					
		 [2]. https://www.accessdata.fda.gov/drugsatfda_docs/label/2023/2167180rig13000lb.pdf [3]. Lynch DR et al. Safety and Efficacy of Omaveloxolone in Friedreich Ataxia (MOXIe Study). Ann Neurol. 2021 Feb;89(2):212-225. doi: 10.1002/ana.25934. Epub 2020 Nov 5. Erratum in: Ann Neurol. 2023 Dec;94(6):1190. PMID: 33068037; PMCID: PMC7894504. [4].https://www.drugs.com/price-guide/skyclarys [5]. https://www.orpha.net/consor/cgi-bin/OC_Exp.php?Lng=IT&Expert=95 [6]. https://doi.anglib.fd 				
		[6]. https://adisinsight.springer.com/search				
patients with Friedreich's ataxia is unknown, but as Nrf2 activity is reduced in patients with Friedreich's ataxia, Nrf2 activators may be involved [1].	CI: confidence interval Df: degrees of freedom FA: Friedreich's Ataxia FAS: full analysis set mFARS: modified Friedreich's Ataxia Rating Scale Nrf2: Nuclear factor (erythroid-derived 2)-like 2 P: p-value Pbo: placebo Pes cavus: multiplanar foot deformity characterised by an abnormally high medial longitudinal arch Pts: patients SAE: serious adverse event URTI: upper respiratory tract infection	Discontinuation due to AE 2 (4%) 4 (8%) AE occurring in > 20% of pts were: contusion, headache, upper respiratory tract infection, excoriation in both groups, and nausea, ALT increased, fatigue, diarrhea, abdominal pain and AST increased in omaveloxolone group. Apart from increases in aminotransferases, the excess occurrence of AE in pts receiving omaveloxolone was limited to the first 12 weeks of treatment as pts adjusted to treatment and developed improved drug tolerability. SAEs that occurring in up to 2% of pts were: atrial fibrillation, anemia, ankle fracture, craniocerebral injury, gallbladder disorder, laryngitis, noncardiac chest pain, palpitations, sinus tachycardia, vetricular/tachycardia, viral URTI [3]. Ongoing studies: • • For the same indication:Yes • For other indications:Yes Discontinued studies (for the same indication):No References: [1]. https://www.ema.europa.eu/en/medicines/human/EPAR/skyclarys [2]. https://www.excessdata.fda.gov/drugsatfda_docs/label/2023/2167180rig15000lbl.pdf [3]. Lynch DR et al. Safety and Efficacy of Omaveloxolone in Friedreich Ataxia (MOXIe Study). Ann Neurol. 2021 Feb;89(2):212-225. doi: 10.1002/ana.25934. Epub 2020 Nov 5. Erratum in: Ann Neurol. 2022 Dec;94(6):1190. PMID: 33068037; PMCID: PMC7894504. [4].https://www.orgha.net/consor/cgi-bin/OC Exp.php?Lng=IT&Expert=95 [6]. https://adsinsight.springer.com/search				*Service reorganization: Yes *Possible off label use: