Report RINVOQ® - Upadacitinib

Product &	Authorized	Essential therapeutic features										NHS impact
Mechanism of action	indications	Essential therapeutic reatures										INTIS IIII PACE
Wicehallish of action	Licensing status											
Substance: upadacitinib	Authorized Indication:	Summary of clinical EFFICACY: C										Cost of therapy:
Substance: apadaentins	EMA: upadacitinib is	·										28 sustained release tablets of
Brand Name: Rinvog	indicated for the	enrolled pts aged 12 to	upadacitinib 15 mg cost € 722,00 (ex-									
Brana rame: Kiiivoq	treatment of MSAD in	required to discontinue topical corticosteroids [2].										factory price) [4].
Originator/licensee:	adults and	AD Up (NCT03568318) was a randomized, double-blind, placebo-controlled, phase 3 trial that enrolled pts aged 12 to 75 years with MSAD. Pts were randomly assigned										
AbbVie Deutschland	adolescents 12 years	(1:1:1) to receive upadacitinib 15 mg, 30 mg or placebo once daily, all in combination with topical corticosteroids, for 16 weeks [3]. Coprimary endpoints were the										
GmbH & Co. KG	and older who are	proportion of pts who had achieved at least 75% improvement in EASI score from baseline (EASI-75) and the proportion of pts who had achieved a vIGA-AD* response										
Gillori di sorike	candidates for	at week 16 [2,3]. Results are reported in Table 1. All these clinical trials are ongoing and further results will be published [2,3]. Table 1: Continuous efficacy endpoint results at week 16 to 20% of children and 10% of adult										
Classification: NI	systemic therapy [1].	Table 1: Coprimary efficacy er	ndpoint results at wee						AD Up			
	5/5te6 the apy [2].	Coprimary endpoints	Measure Up 1	45 111 1		Measure Up 2		- 1:			in high-income countries [5].	
ATC code: L04AA44	Route of			Upadacitinib mg (n=281)	15 Upadac mg (n=2		Upadacitinib 15 mg (n=276)	Upadacitinib 30 mg (n=282)	g Upadacitini mg (n=300)		adacitinib 30 (n=297)	POSSIBLE PLACE IN THERAPY
ATC COUC. EOTANT	administration: OS	EASI-75 at week 16		111g (11=201)	rrig (ri=2	200)	mg (n=276)	(11=282)	mg (n=300)	mg	(11=297)	A typical MSAD treatment pathway
Orphan Status:	dummistration 05	Adjusted % difference	53,3 (46,4 - 60,2); 63,4 (57,1 - 69,8			46,9 (39,9 - 59,6 (53,1 - 66,2);); 38,1 (30,8 - 45,4); 50,6 (43,8 - 57,4);		6 (42 8 E7 4):	involves emollients and topical	
Eu: No	Licensing status	CI)	vs placebo (95%	p<0.0001	p<0.000		53,9); p<0.0001	p<0.0001	p<0.0001		0.0001	corticosteroids (1 st -line), topical
Us: -	EU CHMP P.O. date:	vIGA-AD response at week 16								,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	calcineurin inhibitors (2 nd -line),	
J 53.	24/06/2021	Adjusted % difference		39,8 (33,2 - 46	4). 53.6.(47	7,2 - 60,0);	34,0 (27,8 -	47,4 (41,0 - 53,7)	; 28,5 (22,1	- 34 9)· 47	6 (41,1 - 54,0);	phototherapy (3 rd -line, for adults
Mechanism of action:	FDA M.A. date: -	CI)	V3 PIGCEDO (3370	p<0.0001	p<0.000		40,2); p<0.0001	p<0.0001	p<0.0001		0.0001	only) and systemic
Upadacitinib is a	1 Di titili il datei	*defined as a vIGA-AD score of 0 [clear] or 1 [almost clear] with ≥2 grades of reduction from baseline. vIGA-AD is based on a 5-point scale ranging from 0 (clear) to 4 (severe).										immunosuppressant therapies (4 th -
selective and reversible	EU Speed Approval	Summary of clinical SAFETY: line). Dupilumab (for pts ≥12 years of										
JAK inhibitor. It	Pathway: No	age) and baricitinib (for adults) are										
preferentially inhibits	FDA Speed Approval	group and 2% in the placeho group) LIRTI (8% vs 10% vs 6%) pasopharyngitis (7% vs 9% vs 5%) headache (6% vs 7% vs 4%), elevation in plasma creating phosphokinase										
signaling by JAK1 or	Pathway: -	loyels (4% vs 5% vs 3%) and warraging of AD (2% vs 1% vs 9%). The most frequently reported TEAEs in AD IIn warragen (10% vs 14% vs 3%), passaphanyagitis (13% vs 18% vs 9%). The most frequently reported TEAEs in AD IIn warragen (10% vs 14% vs 3%), passaphanyagitis (13% vs 18%										
JAK1/3 with functional		13% vs 11%) LIRTI (7% vs 8% vs 7%) oral hernes (3% vs 8% vs 2%) elevation in plasma creatine phosphokinase levels (4% vs 6% vs 2%) headache (5% vs 5%) and to at least one systemic therapy (5%-										
selectivity over cytokine		worsening of AD (4% vs 1% vs 7%). No deaths were reported [2,3]										
receptors that signal via	ABBREVIATIONS:	Table 2: TEAEs in the safety population MASAD in odult the under an analysis of the safety population										
pairs of JAK2. JAK1 is	AD: atopic dermatitis	Upadacitinib 15 mg Upadacitinib 30 mg Placebo						1	MSAD in adult pts who are candidates for systemic therapy [7].			
important in inflame-	AE: adverse event		Measure Up		\D Up	Measure (· ·	Measure Up	Measure Up		ior systemic therapy [7].
matory cytokine signals	CHMP: Committee for Medicinal Products for	Any TEAE	1 (n=281) 176 (63%)	. , ,	n=300)** 200 (67%)	1 (n=285) 209 (73%)	2 (n= 282) 173 (61%)	, ,	1 (n=281) 166 (59%)	2 (n= 278) 146 (53%)	(n=303)** 190 (63%)	OTHER INDICATIONS IN
while JAK2 is important	Human Use	SAE	6 (2%)		' (2%)	8 (3%)	7 (3%)		8 (3%)	8 (3%)	9 (3%)	DEVELOPMENT
for red blood cell	EASI: composite index with	Drop-out due to AEs	4 (1%)		1 (1%)	11 (4%)	7 (3%)		12 (4%)	12 (4%)	7 (2%)	Crohn's disease, giant cell arteritis,
maturation and JAK3	scores ranging from 0 to 72, based on four AD disease	**Combination with topical c	` '	(.,.,	(=,-,	== (,	1 (07-7)	. (=,=,	(,	(,	. (=,-,	ulcerative colitis, vasculitis, axial
signals play a role in	characteristics and the body	Ongoing studies:										spondyloarthritis [8,9].
immune surveillance	area of AD involvement JAK: Janus Kinases		ion: Voc (NCT027	20207 NCT0//10E/	SOO NICTORES	1120\						SAME INDICATION IN FABRIER
and lymphocyte function	M.A.: Marketing	• For the same indication: Yes (NCT03738397, NCT04195698, NCT03661138). • For other indications: Yes LINE(S) OF TREATMENT: /										
[1].	Authorization	• For other indications	s: res									LINE(S) OF TREATMENT.
1-1	MSAD: Moderate-to-Severe Atopic Dermatitis	Discontinued studies (f	or the same indic	cation): Yes (NCTO	4666675, with	ndrawn prior	to enrollment)					OTHER DRUGS IN DEVELOPMENT for
	PCPE: plasma creatine			, ,	ŕ	·	,					the SAME INDICATION
	phosphokinase elevation	References:	- (-)			- 46						Delgocitinib, ruxolitinib, abrocitinib,
	P.O.: Positive Opinion Pts: patients	[1]. https://www.ema.europa.eu/e[2]. Guttman-Yassky E., Teixeira H.I.	D., et al.: Once-daily upada				-severe atopic dermatitis (M	easure Up 1 and Measure Up	2): results from two r	eplicate double-blin	d, randomised controlled	lebrikizumab, ustekinumab,
	URTI: upper respiratory tract	phase 3 trials. Lancet 2021; 397:215		acitinih in combination wit	tonical corticoster	nide in adolescents	and adults with moderate-to	nevere atonic dermatitis (A)) lin): results from a r	andomised double-	olind placeho-controlled	tezepelumab, nemolizumab [10,11].
	infection	phase 3 trial. Lancet 2021; 397:2169-81.										*Coming recognization, No
	SAE: serious adverse event TEAE: treatment-emergent AE	[4].https://gallery.farmadati.it/Home.aspx [5]. Langan S.M., Irvine A.D., et al.: Atopic dermatitis. Lancet 2020; 396: 345–60.										*Service reorganization: No *Possible off label use: Yes
	. 2. 2. deddinent emergent AL	[6].https://www.nice.org.uk/guidance/ta681/resources/baricitinib-for-treating-moderate-to-severe-atopic-dermatitis-pdf-82609375014853										rossible oil label use. Tes
	[7].https://www.ema.europa.eu/en/documents/product-information/adtralza-epar-product-information_en.pdf [8]. https://adisinsight.springer.com/drugs/800037410											
		[9].https://clinicaltrials.gov/ct2/results?cond=&term=&type=&rslt=&recrs=b&recrs=a&recrs=f&recrs=d&recrs=e&age_v=&gndr=&intr=Upadacitinib&titles=&outc=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=2&rsub=&strd_s=&strd_e=∏_s=∏_s=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=2&rsub=&strd_s=&strd_s=&strd_s=&strd_s=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=2&rsub=&strd_s=&strd_s=&strd_s=&strd_s=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=2&rsub=&strd_s=&strd_s=&strd_s=&strd_s=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=2&rsub=&strd_s=&strd_s=&strd_s=&strd_s=&spons=&lead=&id=&cntry=&state=&city=&dist=&locn=&phase=2&rsub=&strd_s=&strd_s=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&strd_s=&spons=&spo										
	[10].https://adisinsight.springer.com/search											
	[11].https://clinicaltrials.gov/ct2/results?cond=Atopic+Dermatitis&term=&type=&rslt=&recrs=b&recrs=b&recrs=d&r											
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