Safe transition from Selexipag to Treprostinil in Patients with Pulmonary Arterial Hypertension at Vilnius Pulmonary



Hypertension Competence center

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20.6

22.2

24.0

24.0

24.0

26.6

26.6

1051.8 ng.

961.6 ng/

-

1484.2 ng

1151.3 ng.

-

-



BNP, 6MWT

ng/L; m

310 m -

339.1 ng/L

308.4 ng/L; 480 m

exipag

ODJECH VES/DACKOKOUND						<u>_</u>		Patient I, weight 81 kg	Ireprostinii	Selexipag	BINP, 6M W I	Fattent III, weight 66 kg	rieprostinii	Sciexipag
Pulmonary arterial hypertension (PAH) patient with insufficient						it with ir	sufficient	Date	Dose, ng/kg/min	Dose, mcg	ng/L; m	Date	Dose, ng/kg/min	Dose, mcg
response to maximized oral triple combination therapy might						ion thera	py might	1 st day	1.25	1200 x 2	-	1 st day	1.25	800 x 2
need transition to parenteral prostacyclin. There are no guidelines							guidelines	2 nd day morning	2.5	1200	-	2 nd day	2.5	600 x 2
describing on how switch from oral selexipag to subcutaneous							cutaneous	evening	3.75	900		3 rd day	3.75	400 x 2
treprostinil should be performed. We present Vilnius Pulmonary							Pulmonary	3 rd day morning	5.25	900	-	4 th day	5	200 x 2
Hypertension Competence centre's experience on transition from							ition from	evening	6.75	600		5 th day	6	-
oral selexipag to subcutaneous treprostinil in patients with PAH							th PAH	4 th day morning	8.25	600	-	6 th day	7.2	-
oral sciemping to subcutations representing in particities with 17411.								evening	9.75	400		7 th day	8	-
A retrospective analysis of our hospital PAH database was								5 th day morning	13.5	200	-	8 th day	9.5	-
							base was	evening	15.0	200		9 th day	9.5	-
performed. Adult patients (age >18 years) with the diagnosis of PAH, who underwent switch from selexipag to treprostinil were included. Baseline demographic, clinical, functional characteristics and clinical outcomes were collected. <u>RESULTS</u>						th the dia	ignosis of	6 th day morning	16.5	200	-	10 th day	9.5	-
						o trepros	tinil were	evening	18.0	-		11 th day	10.7	-
						nical, i	functional	7 th day morning	19.5	-	-	12 th day	10.7	-
						ected.		evening	20.0			13 th day	10.7	-
								8 th day	20.0	-	63.5 ng/L	14 th day	11.0	-
								15 th day	20.8	-	-	15 th day	11.2	-
	Age	Gender	Diagnosis	Targeted medication before	Reached dose of treprosti nil (ng/kg/	Duration of treprostin il therapy	Patient still alive	1 month	22.4	-	-	16 th day	11.4	-
								2 months	30.5	-	-	17 th day	11.4	-
								5 months	37.3	-	485 III 50 5 pg/I	18 th day	11.7	-
No								10 months	51.1	-	50.5 llg/ L	19 th day	11.9	-
								Patient II weight 85 kg	Treprostinil	Selevinag	BNP 6MWT	20 th day	12.2	-
					min)	(months)		Tatient II, weight 05 kg	Iteprostiini	belexipag		21 st day	12.2	-
		Female	IPAH	Bozentan 250 mg, Sildenafil 60 mg, Selexipag 2400 mcg	51.1	15	Yes	Date	Dose, ng/kg/min	Dose, mcg	-	1 month	12.9	-
Ŧ								1 st day	1.25	1400 x 2	-	1.5 months	13.5	-
1	46							2 nd day morning	2.5	1400	1021.1 ng/L	2 month	14.7	-
								evening	5.0	1200		2.5 months	15.3	-
	34	Male	PAH – CHD (ES with complex CHD)	Ambrisentan 10 mg, Sildenafil 60 mg, Selexipag 2800 mcg	26.6	3.5	No	3 rd day morning	7.5	1000	-	3 months	15.9	-
								evening	9.0	700		6 months	22.0	-
п								4 th day morning	10.5	700	-			
								evening	12.0	400		7 months	24.9	-
								5 th day morning	13.5	200	-	9 months	24.9	-
	31	Male	PAH – CHD (ES with complex CHD)	Bozentan 250 mg, Sildenafil 60 mg, Selexipag 1600 mcg	36.1	13	No	evening	15.0	200				
TT								6 th day morning	16.5	200	-	12 months	36.1	-
Ш								evening	18.0	-		13 months – death	36.1	-
								/" day morning	19.5	-	-			
							1 1 0	evening	20.0	-			CONCLUSIO	NS
	ring 2 years pariod three of 17 patients ware switched free													

14th day

27th day

63rd dav

79th day

82nd day

92nd dav

107th day - sudden death

During 3 years period three of 1/ patients were switched from oral to subcutaneous prostacyclin therapy, as triple oral combination therapy was considered insufficient. The selexipag was gradually discontinued while subcutaneous treprostinil was titrated up. We present the treprostinil titration schemes used in our center. During 1-14 months period transition from selexipag to treprostinil improved 6-MWT distance in 2 patients and decreased BNP levels in all patients.

	7 months	24.9	-	-					
	9 months	24.9	-	295.3 ng/L					
				217.7 ng/L					
	12 months	36.1	-	1003.6 ng/L					
	13 months – death	36.1	-	1307.8 ng/L					
	te de la competition								
	CONCLUSIONS								
/L.									
T.	This report describes a beneficial transition from oral								
-	selexing to subcutaneous treprostinil in patients with PAH.								
/L	when oral triple combination therapy is insufficient. The								
/L	prospective larger sample size studies and long-term								
_	follow-up would be	helpful to deter	mine how	to guide this					
				Sando uno					