



























With ICDs:

Impulse control disorder/behaviour related to prolonged release oral and transdermal dopamine agonists: a comparative survey across European centres

A. Rizos¹, I. Koch¹, A. Martin¹, B. Kessel², T. Henriksen³, G. Durner¹, K. Røkenes Karlsen¹, S. Robinson¹, P. Worth⁴, A. Antonini⁵, P. Odin^{6,7}, P. Martinez-Martin⁸, G. Macphee⁹, C. Falup-Pecurariu¹⁰, A. Douiri¹¹, S. Lindvall¹² and K. Ray Chaudhuri^{1,13}

on behalf of EUROPAR and EPDA.

¹King's College Hospital, London, UK; ²Princess Royal University Hospital, Orpington, UK; ³University Hospital of Bispebjerg, Copenhagen, Denmark; 4Norfolk and Norwich University Hospital, Norwich, UK; 5RCCS San Camillo Venice and University of Padua, Venice, Italy; 6Klinikum Reinkenheide, Bremerhaven, Germany; ⁷University Hospital, Lund, Sweden; ⁸Carlos III Institute of Health and Alzheimer Centre Reina Sofia Foundation, Madrid, Spain; 9Southern General Hospital, Glasgow, UK; 10Transsylvania University, Brasov, Romania; 11King's College London, London, UK, ¹²European Parkinson's Disease Association, London, UK; ¹³University Hospital Lewisham, London, UK;

RESULTS 1:

Table 1:

were exposed to oral DA.

OBJECTIVE:

Assessment of tolerability, ICD and other side effects of prolonged release DA's (ropinirole XL (ROP XL), pramipexole PR (PPX PR) and transdermal rotigotine patch (RTG)) across Europe including neurologist and care of the elderly centres.

BACKGROUND:

- · Impulse control disorders (ICD)/behaviours in PD are a key clinical challenge with societal and personal impact.
- ICDs are thought to be related to the use of immediate release dopamine agonists (DA's) in Parkinson's disease (PD).
- Little is known about whether longer acting DA's confer a lower rate of ICD given the risk appears higher with pulsatile pattern of drug delivery.

METHODS:

 Retrospective and prospective audit data from ongoing post marketing surveillance for cases initiated on DA using audit based questionnaire (as per study reported by Appiah-Kubi et al.1)

REFERENCE:

20,0%

¹ Appiah-Kubi L et al., J Applied Research 2003; 3: 356-362

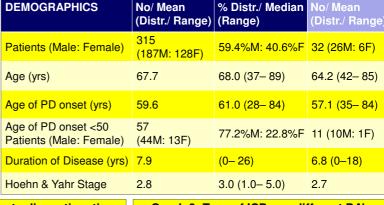
p=0.017

Graph 1: ICD rates on different DA's

p=0.013

Graph 2: ICD's leading to discontinuation No of cases ■ ICDs total ■ICDs leading to discontinuation 18 16 14 12 10 8 6

(pooled)

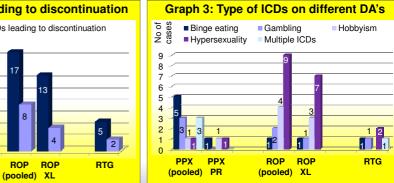


315 cases were recruited and audited. Demographics: Table 1

All cases:

32 cases (10.2%) reported impulse control disorders (ICD), of which 30

All cases:



0.0%	11.1%	4.4%	11.3%	10.8%		3.6%
5,0%	11.1%	4.4%	11.3%	10.8%		3 6%
10,0%						
15,0%					p=0.023	'

Table 2: ICDs	Pooled PPX n=135	PPX PR n=45	Pooled ROP n=150	ROP XL n=120	RTG (n=140)			
Incidence No (%)	15 (11.1%)	2 (4.4%)	17 (11.3%)	13 (10.8%)	5 (3.6%)			
Mean dose (with ICD's)	2.5 mg (3.4 mg)	J	13.2 mg (12.5 mg)	13.3 mg (11.8 mg)	8.6 mg (10.4 mg)			
ICD leading to discontinuation	7 (5.2%)	1 (2.2%)	8 (1,6%)	4 (3.3%)	2 (1.4%)			

ACKNOWLEGMENTS:

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- Rate of ICD with RTG was significantly lower than ROP XL (p = 0.023, exact proportion test) as well as pooled ROP data (long acting + short acting, p = 0.013 and pooled PPX (p = 0.017) (graph 1). For analysis of PPX PR data, numbers are yet too low.
- Discontinuation due to ICD was reported in 53.1% of all ICD cases: 1.4% (2/140) on RTG, 3.3% (4/120) on ROP XL and 2.2% (1/45) on PPX PR (graph 2, table 2).
- 4 cases with ICD on PPX /ROP reported attenuation of ICD when started on RTG patch.
- The type of ICD varies between the different DA's, with hypersexuality being most common with ROP (graph 3).

CONCLUSION: This large scale international ongoing survey suggests differential ICD rates between contemporary prolonged release DA's with the rate being least with rotigotine patch at a mean dose of 8.6mg/24h