

(PIDAT) in clinical practice

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Results (2)

Results (3)

- 12% (17/133) change one or more components of their PIDsAT regimen. 41% (7/17) made a change in PI/r, 76% (13/17) changed the non-PI component, 84% (11/13) within class, mainly etravirine to rilpivirine due to pill burden (7/11).
- Outcomes of any switch equals fail analysis shown in table 5.

Table 6: Discontinuations from PIDAT

	Numbers stopping according to regimen (N [%])				
Outcomes	Total	NRTI	NNRTI	INI	CCR5-A
Discontinued PIDAT	32 (24)	7 (31.8%)	13 (17.1%)	3 (50)	9 (31)
Weeks till stop PIDAT, median (range)	-	60 (36, 180)	110 (30, 179)	111 (27, 240)	31 (21, 60)
Viral failure	6	1	1	0	4
VF (Adherence)	4	1	1	1	1
Toxicity	6	0	4	0	2
Switch to PI/r monotherapy	2 ^b	0	2 ^b	0	0
Other	14	5	5	2	2

a - Follow up (FU): M=F, discontinuation prior to time point=F, excludes insufficient FU at time point.
b - 6 patients switched to PI monotherapy, 4 due to toxicity, 2 for simplification

Figure 2: Kaplan-Meier plot of time to discontinuation of each PIDAT regimen

Percentage modified regimen

Time since start of PIDAT (weeks)

P=0.87 (log rank test)

CCR5
INI
NNRTI
PI

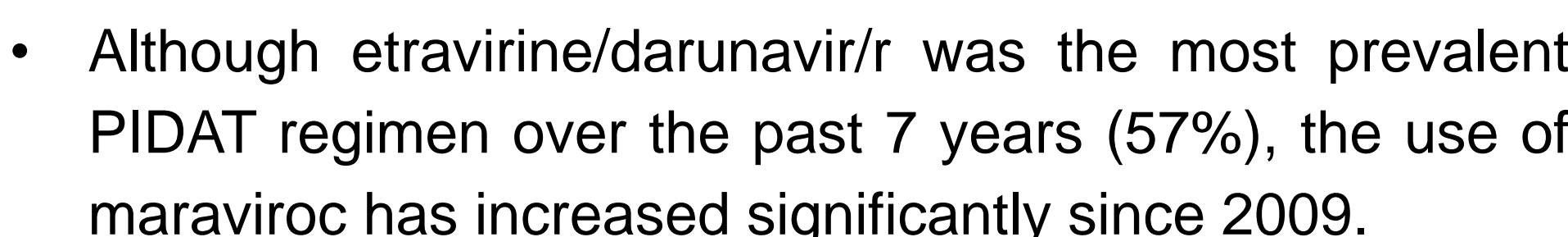
Figure 1: Cumulative total number prescribed PIDAT regimens

Year	NRTI	NNRTI	CCR5	INI
Jan-04	1	2	0	0
Jan-05	1	2	0	0
Jan-06	2	2	0	0
Jan-07	2	4	0	0
Jan-08	4	5	0	0
Jan-09	7	28	1	5
Jan-10	13	69	12	4
Jan-11	22	76	29	6

Discussion

- In the main PIDAT is being utilised for a selected group of patients who are virologically suppressed with good CD4 counts and have extensive prior ART exposure, but not necessarily extensive resistance (table 1).

- There are a wide range of indications for switching to PIDAT, however 29% (39/133) of the defined indications related to ART toxicity.
- Dual-PI based cART was the most common prior regimen (table 2), and likely reflects local prior prescribing practices.



- Maraviroc usage is likely driven by use of genotypic tropism determination, increasing experience with once-daily dosing, and lower pill burden compared to other PIDAT regimens.

- When switching to PIDAT due to viral failure on PI-monotherapy, 7/10 had VL<400c/ml.

- Virological outcomes are difficult to interpret in selected populations in clinical practice due to missing data.

Limitations

S=F (switch=fail): any change in PIDAT regimen, including substitution of drugs
S=F: swicth=failure; M=E: missing excluded

- Retrospective medical notes-based audit
- Relatively small numbers of patients.
- Different PIDAT regimens may not be comparable.

Conclusions

- Indications for PIDAT within our cohort were predominantly rationalisation of more complex regimens, or as a TDF-sparing strategy after renal impairment.
- Longer term outcomes in this selected population appear positive, however prospective clinical trials are required using specific PIDAT regimens in a switch study are required.

Conclusions