OMCCI
OBSERVATOIRE DES MALADIES CUTANÉES
CHRONIQUES INFLAMMATOIRES

Comparison of patient's profile initiating anticytokines and JAK inhibitors for atopic dermatitis in the OMCCI cohort

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Disclosures

- Anne-Claire Fougerousse: speaker, consultant or investigator for Abbvie, Sanofi, Leo-Pharma, Lilly, Pfizer

- Institutionnal support of Novartis, Sanofi,Lilly, Leo Pharma, Janssen, UCB Pharma, Almirall

OMCCI Cohort

- French prospective real-world multicenter study of chronic inflammatory skin diseases (atopic dermatitis (AD), psoriasis, hidradenitis suppurativa and chronic spontaneous urticaria)

- Objective: to determine and compare the impacts of these conditions on sufferer's lives and therapeutic decisions (follow up 4 years)

- Inclusions started on December 2020 and are ongoing (1810 patients on 8th of June 2022)

OMCCI Cohort- AD collected data

PHYSICIANS' DATA	Inclusion	6 months	12 months	18 months	24 months	30 months	36 months	42 months	48 months
Verification of inclusion criteria	X								
EASI if atopic dermatitis	X		X		X		X		X
Treatment, associated with dermatosis, prescribed over the last 6 months; subject to data collection as part of usual practice and follow-up (including dosage)	X		X		X		X		X
Information if treatment is continued/ discontinued / switch with motivation			X		X		X		X

PATIENT'S DATA	Inclusion	6 months	12 months	18 months	24 months	30 months	36 months	42 months	48 months
Socio-demographic profile	X								
Age at diagnosis	X								
Hospitalizations within the last 6 months	X	X	X	X	X	X	X	X	X
Consultations over the last 6 months	X	X	X	X	X	X	X	X	X
Body areas with AD lesions/ severity	X	X	X	X	X	X	X	X	X
DLQI	X	X	X	X	X	X	X	X	X
SF-12	X	X	X	X	X	X	X	X	X
Absence from work over the last 6 months	X	X	X	X	X	X	X	X	X
Assessment of discomfort	X	X	X	X	X	X	X	X	X
Compliance	X	X	X	X	X	X	X	X	X

Introduction/ Material and Methods

- Therapeutics options for moderate to severe AD in France on June 2022 included dupilumab, baracitinib; tralokinumab and upadacitinib only with early access

- Objective of this preliminary analysis: to compare the profile of patients initiating anticytokines or JAK inhibitors for AD

- Exclusion criteria: prescription of JAKi or anticytokine the 6 months before inclusion in the OMCCI

Results

- 358 patients with moderate to severe AD

➡ 206 fullfiled the inclusion criteria

  - Dupilumab n= 151
  - Baricitinib n= 52
  - Upadacitinib n=2
  - Tralokinumab n=1

	Anticytokine (n=152)	JAKi (n=54)	P value
Mean age (years)	43.0 ± 18.6	32.0 ± 13.7	**<0.001**
Sex female (n,%)	77 (50.7%)	32 (59.3%)	0.277
Marital status: single (n,%)	45 (29.6%)	30 (55.6%)	**0.005**
Mean EASI	21.4 ± 13.7	23.4 ± 13.6	0.279
Mean DLQI	13.3 ± 6.5	11.4 ± 5.6	0.054
Hospitalisation for AD the last 6 months (n,%)	12 (7.9%)	2 (3.7%)	0.364
Mean disease duration (years)	27.6 ± 19.1	20.9 ± 14.1	**0.026**
Mean impact on daily life*	7.4 ± 1.9	7.3 ± 1.6	0.381
Mean impact on family life*	6.0 ± 2.8	5.3 ± 2.7	**0.049**
Mean impact on professional life*	6.0 ± 3.3	7.0 ± 2.4	0.171
Mean score of physical dimension of SF12	47.21 ± 9.32	51.80 ± 5.95	**0.002**
Mean score of mental dimensions of SF12	35.58 ± 10.64	35.58 ± 10.64	0.123

* Visual analogic scale from 0 to 10

Results

- Patients initiating anticytokine
  - greater number of body areas with extensive AD (3.5 ± 2.7 vs 2.3 ± 1.6, p=0.007)
  - extensive AD lesions more frequent for thorax and abdomen, back, buttocks and thighs, legs and feet
- Isolated head and neck involvement numerically more common in patients initiating JAKi (7.5% versus 2.6%)
- Sick leaves due to AD the last 6 months were comparable in the 2 groups
- JAKi initiation declined from February 2022

Discussion

- Dupilumab was initiated in older patients
  - More favorable safety profile
  - More experience with this treatment
  - More data in this age group
- Revision process of JAKi's safety by health authorities had an impact on JAKi's initiation kinetics
- Portuguese recommandations:

Biologic therapy		JAK inhibitors
presence of type 2 comorbidities		need of rapid action on pruritus
hepatic or renal insufficiency		history of eye inflammation
high risk of infection or thrombo-embolic event		concurrent disease in which JAKi are indicated

Torres T et al. Drugs context 2021

Conclusion

- 2 profiles of AD patients according to the treatment choice
- Decision seeming mostly guided by the controversial safety profile of JAKi
- When the PRAC recommendations will be available, the validity of these choices might be questioned