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Descriptive analysis of cases included in the START2 Registry on Antiphospholipid Antibody Positive Individuals

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Aim of the registry

- A prospective cohort study of anti-phospholipid antibodies (aPL)-positive subjects, which will allow to collect evidence on several, still unravelled, clinical and methodological aspects of 'real life' aPL testing.
- Here we report the characteristics of the first 131 cases with particular reference to the obtained aPL profile and consequent treatment.

Characteristics of enrolled individuals

N	131
Age mean (yrs)	52.4
Females n (%)	89 (68)
BMI (mean)	28.5
Race: Non-Caucasian n (%)	4 (3)
Associated autoimmune disease n (%)	31 (24)
SLE	10
Other	21

Carriers and APS

	Carriers	APS
N	40	91
Age-yrs mean (SD)	50.9	53.1
Female sex n (%)	28 (70)	61 (68)
Venous thrombosis n (%)	-	56 (61)
Arterial thrombosis n (%)	-	23 (25)
Both venous and arterial n (%)	.	7 (8)
Obstetric n (%)	-	4 (4)
Not reported	.	1

APL profiles

	Carriers	APS
N	40	91
Age-yrs mean (SD)	50.9	53.1
Female sex n (%)	28 (70)	61 (68)
APL profile		
-triple	8 (20%) (6G,2M)	32 (35%) (21G, 11M)
-double	7 (17%) (4G,3M)	8 (9%) (5G, 3M)
-single	18 (45%) (18 LAC)	27(30%) (2G aCL, 4 M aCL,21 LAC)

5 carriers non classificabili; 9 APS non classificabili

Patients with thrombotic APS clinical criteria

Venous Thromboembolism

- DVT 53 (13 + EP: 4 asympt, 7 sympt, 2 hemodynam)
more than 1 episode n=13 (24%)
 - 46 Lower limbs
 - 1 cerebral vein
 - 1 inferior caval vein
 - 1 retinal vein
 - 1 jugular vein
 - 1 portal vein
 - 2 not reported
- Isolated PE n=3

Patients with thrombotic APS clinical criteria

Arterial thromboembolism n=23

Site:

- Cerebral n=15
- Lower limbs n=5
- Myocardial n=2
- Spleen n=1

Venous and arterial thromboembolism n=7

Confirmation after 12 weeks

	N	Confirmation n (%)
F20	5	5 (100)
F29	4	3 (75)
F6	33	24 (73)
F32	3	2 (66)
F47	17	11 (65)
O96	28	13 (46)

Confirmation after 12 weeks in relation of initial profile

	N	Confirmation n (%)
Triple positive	43	38 (88)
Double positive	15	11 (73)
Single positive	60	39 (65)

Examples of difficult interpretation and failure in confirmation

	aCLG	aCLM	abetaG	abetaM	dRVVT	SCT	After 12 weeks	aCLG	aCLM	abetaG	abetaM	dRVVT	SCT
A	3,7	44	1	181	Neg	Neg		4,5	70	1,7	167	Pos	Neg
B	63	0,8	0,5	0,01	Pos	Pos		49	1,4	0,3	0,4	Neg	Neg
C	5	38	0,9	9,2	Pos	Neg		3,2	38	7,2	8	Pos	Pos

Conclusions

- Real life data of aPL often difficult to interpret (profiles different from those expected)
- Confirmation after 12 weeks low and needs to be analysed in relation to the first positive profile
- Anyone participating in the registry can propose an analysis of data to write a paper. If the project is accepted, the database is available to whoever proposes the study.