Abstracts

(the presence of lupus anticoagulant, or double or triple aPL positivity, or the presence of persistently high aPLs titers). **Results** A total of 2132 SLE patients with full follow-up data were recruited and 424 (19.9%) showed high-risk aPLs pro-

were recruited and 424 (19.9%) showed high-risk aPLs profiles. 453 (21.2%) patients developed new organ damage during a mean follow-up of 4.40 ± 2.64 years, and 143(31.6%)are cardio-cerebral vascular damage. At baseline, patients with high-risk aPLs profile have a higher rate of neurological involvement (12.5% vs 7.6%, p=0.001). As shown in figure 1, cox regression analysis showed that high-risk aPLs profile can predict new-onset organ damage (HR=1.99, 95% CI, 1.63-2.43, p<0.001) and cardio-cerebral vascular damage (HR=7.83, 95% CI, 5.56-11.03, p<0.001). After adjusted of gender(male), age, smoking history, diabetes mellitus, hypertension, and other SLE related potential confounders, high-risk aPLs profile was still found to be an independent predictor which can predict cardio-cerebral vascular events (HR=7.12, 95% CI, 5.03-10.14, p<0.001) (figure 1).

Conclusions SLE patients with high-risk aPLs profile warrant more care and surveillance of cardio-cerebral vascular events during follow-up.

REFERENCES

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Abstract LSO-009 Figure 1 (A). Cumulative probability of new-onset organ damage in patients with or without high-risk aPLs profile. (B). Cumulative probability of cardio-cerebral vascular damage in patients with or without high-risk aPLs profile. (C). Risk factors of cardio-cerebral vascular damage in SLE patients

150-009 THE IMPACT OF HIGH-RISK ANTIPHOSPHOLIPID

ANTIBODIES PROFILE ON MAJOR ORGAN DAMAGE

CSTAR MULTIPLE PROSPECTIVE COHORT STUDY

Yufang Ding*, Jiuliang Zhao, Qian Wang, Xinping Tian, Mengtao Li, Xiaofeng Zeng.

Background With the improvement in survival, the prevention

of cumulative organ damage has become a major goal in the

management of systemic lupus erythematosus (SLE). Patients

with autoimmune disease suffered from an increasing risk of

cardiovascular disease (23.3 events per 1000 patient-years¹).

Although antiphospholipid (aPLs) antibodies, including anticar-

diolipin antibodies, anti-B2 glycoprotein I, and lupus anticoa-

antiphospholipid syndrome, the role of APLs in SLE patients

was not yet determined. Based on the Chinese SLE treatment

and research (CSTAR) multi-center prospective study, we

aimed to identify the predictive value of high-risk aPLs on

Methods Demographic characteristics, autoantibody profiles,

clinical manifestations, disease activity status, and organ dam-

age were collected at baseline. High-risk aPLs profile was defined according to 2019 EULAR recommendations for APS²

with

vascular

events

in

associated

cumulative organ damage progression in SLE.

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10.1136/lupus-2023-KCR.52

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PROGRESSION IN SYSTEMIC LUPUS ERYTHEMATOSUS: