POS0739
DEVELOPMENT OF A CONCEPTUAL MODEL TO UNDERSTAND DISEASE BURDEN IN PATIENTS WITH SYSTEMIC LUPUS ERYTHEMATOSUS AND LONG-TERM ORGAN DAMAGE

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Background: Systemic lupus erythematosus (SLE) is a chronic, multisystem, autoimmune disease resulting in increased morbidity and mortality and reduced health-related quality of life (HRQoL). Patients with SLE are at risk of developing irreversible long-term organ damage (LTOD) caused by both disease activity and cumulative medication toxicities. Data regarding the overall disease burden and impact of LTOD in patients with SLE are limited.

Objectives: The primary objective of this qualitative study was to develop a conceptual model to describe the burden experienced by patients with SLE and LTOD.

Methods: This study (GSK Study 209754) was conducted in three phases. First, a targeted literature review was performed to aid the development of an initial draft conceptual model. Key opinion leaders (KOLs) with experience in SLE and LTOD were targeted. A subsequent literature review was performed to aid the development of an initial draft conceptual model to describe the burden experienced by patients with SLE and LTOD. KOLs were then interviewed to assess the clarity, language, comprehensibility, and potential use of the conceptual model, and to help shape the patient interview materials. Finally, one-on-one interviews were performed with patients with SLE and LTOD in any of the 12 organ areas (defined by the Systemic Lupus International Collaborating Clinics/American College of Rheumatology Damage Index [SDDI]), to gather patient perspectives on the common symptoms, functional impacts, treatment experiences, and HRQoL factors associated with LTOD. Data from the interviews were coded and analyzed using NVivo software to identify patterns in responses concerning the key concepts of the overall patient burden of LTOD, and used to identify concepts to include in the model.

Results: The literature review produced the preliminary conceptual model of LTOD. Results of the KOL interviews (n=5 clinicians and n=1 patient advocate) indicated that the preliminary conceptual model broadly captured the patient experience of LTOD. KOLs emphasised the difference between SLE activity (flares) and LTOD; that the preliminary conceptual model broadly captured the patient experience of LTOD. KOLs emphasised the difference between SLE activity (flares) and LTOD; that the preliminary conceptual model broadly captured the patient experience of LTOD. KOLs emphasised the difference between SLE activity (flares) and LTOD; that the preliminary conceptual model broadly captured the patient experience of LTOD. KOLs emphasised the difference between SLE activity (flares) and LTOD; that the preliminary conceptual model broadly captured the patient experience of LTOD. KOLs emphasised the difference between SLE activity (flares) and LTOD; that the preliminary conceptual model broadly captured the patient experience of LTOD.

Conclusion: The findings from this research clearly indicate that the patient burden of LTOD far surpasses that of SLE without LTOD. These data were incorporated into a conceptual model that fully represents the patient experience of LTOD. The model will help researchers, clinicians, and patients to better understand the impact of SLE-related LTOD progression.

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POS0740
EPIDEMIOLOGY AND CLINICAL FEATURES OF OCULAR SARCOIDOSIS. STUDY OF 65 PATIENTS OF A SERIES OF 384 PATIENTS FROM A SINGLE UNIVERSITY HOSPITAL

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Background: Ocular involvement in sarcoidosis can be present in up to 80% of patients. If not treated, it can lead to significant visual complications (1-5).

Objectives: Our aim was to assess the main a) epidemiology and b) clinical features of ocular sarcoidosis in a wide and unselected series from a single university hospital.

Methods: Study of a large cohort (n=384) of all consecutive patients diagnosed with sarcoidosis from January 1, 1999 to December 31, 2019. Finally, 344 patients were included according to the ATS/EURS/WASOG criteria (Eur Respir J 1999;14:735-737).

Results: Of 33 men/32 women) of 344 (18.9%) patients had ocular involvement. Mean age at diagnosis was 45.6±15.9 years. The most frequent extraocular clinical clusters were respiratory (80%), oestoarticular (30.8%) and cutaneous (29.2%) (figure 1). Ocular manifestations and complications are shown in table 1. Uveitis (83.1%), orbital lesions (7.7%) and retinal vasculitis (6.2%) were the most common ocular complications. Median Best Corrected Visual Acuity (BCVA) at diagnosis and after one year of follow-up was 0.6 [0.3-0.8] and 0.9 [0.3-1], respectively. Retinal vasculitis was associated to the worst BCVA outcome, and panuveitis to more frequent and severe complications.

Conclusion: Ocular manifestations, especially uveitis, are frequent in sarcoidosis. A more aggressive and early treatment may be indicated in panuveitis and retinal vasculitis.

REFERENCES:

Figure 1. Clinical clusters of associations in ocular sarcoidosis.

Table 1. Ocular manifestations and associated complications after 1 year of follow-up of 65 patients with ocular sarcoidosis.

Type of ocular affection N (%) Median BCVA at onset [IQR] Median Cataract after 1 year of follow-up [IQR] OP OHT CME ERM

Uveitis, pattern
54 (83.1) 0.6 [0.3-0.8] 0.9 [0.6-1] 18 (27.7) 11 (16.9) 7 (10.8) 7 (10.8) 8 (12.3)
Anterior
31 (47.7) 0.7 [0.3-0.8] 0.9 [0.5-1] 13 (41.9) 2 (6.5) 2 (6.5) 2 (6.5) 2 (6.5)
Panuveitis
16 (24.6) 0.4 [0.2-0.7] 0.4 [0.2-0.5] 5 (31.3) 7 (43.8) 4 (25) (5) 21 (31.3) 21 (31.3)
Intermediate
9 (5.2) 0.5 [0.3-0.9] 0.9 [0.6-1] 2 (22) 1 (22) 0 0 0 0
Orbital lesions
5 (7.7) 0.5 [0.1-0.6] 1 [0-1] 1 [0-1] 1 [0-1] 0 0 0 0
Retinal vasculitis
4 (6.2) 0.6 [0.4-0.8] 0.9 [0.6-1] 0 0 0 0 1 (25)
Dry eye
4 (6.2) 1 0.9 0 0 0 0 0 0
Scleritis
1 0.6 1 0 0 0 0 0 0

Abbreviations: BCVA: Best corrected visual acuity; CME: Cystoid macular edema; ERM: Epiretinal membrane; OP: Optic Papillitis; OHT: Ocular hypertension.