Poster Board # P51

Real-World Treatment Patterns Among Pulmonary Sarcoidosis Patients with Parenchymal Involvement in the US

Introduction

- Pulmonary sarcoidosis treatment guidelines recommend systemic glucocorticoids for first-line treatment, but **glucocorticoid toxicity warrants** careful consideration of treatment selection
- The extent of glucocorticoid utilization as first-line and in later-line treatment is not well documented

Objective

Evaluate treatments used in real-world clinical **management** for pulmonary sarcoidosis patients with parenchymal involvement in the US

Methods

- Pulmonary sarcoidosis patients with parenchymal involvement were identified using ICD-10 diagnosis code for sarcoidosis of the lung without (D86.0) or with (D86.2) lymph involvement in the July 2017 – June 2023 MarketScan Commercial Claims and Encounters database
 - For each patient, the service date of the **first** identified claim in July 2019 – June 2020 with one of these diagnosis codes was defined as the index date
 - Patients without a lung sarcoidosis diagnosis for at least 2 years prior to index were considered the **incident subgroup**
 - Patients with a lung sarcoidosis within 2 years prior to index were the non-incident subgroup
- Use rates among treatments for pulmonary sarcoidosis management were assessed in medical and pharmacy claims for three years following index
 - Drug classes evaluated were glucocorticoids, immunosuppressants, biologics, repository corticotrophin injections, JAK inhibitors, antifibrotics
 - Glucocorticoid use was further distinguished **by route of administration** (ROA): oral, intravenous, subcutaneous, intra-arterial, intramuscular, inhaled, sublingual
 - Each drug class, and the glucocorticoids by ROA, were considered different lines of treatment
 - In combination regimens, drug classes and glucocorticoids by ROA were assessed separately



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