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Studies have confirmed active and abnormal inflammation in the hematoma cavity of chronic subdural hematoma (CSDH).

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We retrospectively analyzed 245 CSDH patients who received conservative therapy (67 under close follow-up observation, 103 treated with atorvastatin and 75 treated with atorvastatin combined with dexamethasone) from 2014 to 2021 to evaluate the role of major inflammation-associated cells in the prognostic assessment of patients. Univariate and multivariate analyses were performed to assess the potential factors that could indicate the prognosis among the 103 patients who underwent observation only or atorvastatin therapy. Changes in peripheral blood inflammation-associated cells at different time points were compared between patients with good and poor outcomes. Furthermore, the changes in inflammatory cells in 75 patients who received atorvastatin combined with dexamethasone were analyzed.