

Clinical case study

Diagnosis: Symptomatic sarcoidosis Woman, aged 56 years, with a two-year history of sarcoidosis, experiencing joint pain and stiffness despite ongoing therapy

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This case study is provided for general medical education purposes only and is not a substitute for independent clinical medical judgment. The intent of this case study is to present the experience of an individual patient, which may not represent outcomes in the overall patient population. Response to treatment may vary from patient to patient.

*Acthar Gel is indicated for certain immune-mediated and idiopathic conditions across a range of therapeutic areas and may be appropriate for multiple patient types.

INDICATION

Acthar® Gel is indicated for symptomatic sarcoidosis.

SELECT IMPORTANT SAFETY INFORMATION Contraindications

Acthar is contraindicated:

- For intravenous administration
- In infants under 2 years of age who have suspected congenital infections
- With concomitant administration of live or live attenuated vaccines in patients receiving immunosuppressive doses of Acthar
- In patients with scleroderma, osteoporosis, systemic fungal infections, ocular herpes simplex, recent surgery, history of or the presence of a peptic ulcer, congestive heart failure, uncontrolled hypertension, primary adrenocortical insufficiency, adrenocortical hyperfunction, or sensitivity to proteins of porcine origin

Please see additional Important Safety Information throughout and full Prescribing Information.



History and examination were consistent with tough-to-treat disease

Clinical examination

- Diagnosed with biopsy-proven sarcoidosis
- Pulmonary symptoms included fatigue and shortness of breath during exertion
- Decreased FVC and diffusing capacity
- Classified as moderate restriction
- Referred to rheumatology for active and disabling peripheral symptoms
- Worsening joint pain
- Morning stiffness and swelling in her hands and feet lasted more than 60 minutes and were associated with decreased grip strength and dexterity
- Lab values
- ACE=3 (normal: 9-67)
- CRP=16 (normal: <8)

Treatment history¹

- Initially treated with prednisone (5 mg) and MTX
- Corticosteroids improved lung function and reduced the duration of the morning symptoms to 30 minutes, but the patient required frequent dosing
- Side effects included fatigue, weight gain, bloating, elevated fasting glucose, and hypertension
- Adherence to MTX was poor

SELECT IMPORTANT SAFETY INFORMATION

Warnings and Precautions

- The adverse effects of Acthar are related primarily to its steroidogenic effects
- Acthar may increase susceptibility to new infection or reactivation of latent infections
- Suppression of the hypothalamic-pituitary-adrenal (HPA) axis may occur following prolonged therapy with the potential for adrenal insufficiency after withdrawal of the medication. Adrenal insufficiency may be minimized by tapering of the dose when discontinuing treatment. During recovery of the adrenal gland patients should be protected from the stress (e.g., trauma or surgery) by the use of corticosteroids. Monitor patients for effects of HPA axis suppression after stopping treatment
- Cushing's syndrome may occur during therapy but generally resolves after therapy is stopped. Monitor patients for signs and symptoms
- Acthar can cause elevation of blood pressure, salt and water retention, and hypokalemia. Monitor blood pressure and sodium and potassium levels

Patient required an alternative treatment option

Decision to treat with Acthar Gel¹

- Patient's desire to discontinue MTX and prednisone
- Wanted to avoid potentially hepatotoxic medications due to a biopsy-proven sarcoid of the liver, a history of hepatomegaly, and elevated LFTs prior to treatment with MTX
- Initiated Acthar Gel 80 units twice weekly



Results after Acthar Gel therapy¹

- Pulmonary and peripheral symptoms improved
- Inflammatory marker levels normalized
- CRP=2.5
- Reduction in joint tenderness and swelling
- Grip strength improved; no longer dropping objects
- Discontinued MTX and prednisone
- No new adverse events were observed
- Discontinued Acthar Gel after 12 weeks
- Six weeks later, pain and stiffness returned to peripheral joints
- Re-initiated Acthar Gel 80 units twice weekly
- Continues to report minimal joint pain or swelling

ACE=angiotensin-converting enzyme; CRP=C-reactive protein; FVC=forced vital capacity; LFT=liver function test; MTX=methotrexate.

Clinical outcomes may not be solely attributable to Acthar Gel.

Dosage should be individualized according to the medical condition of each patient. Frequency and dose of the drug should be determined by considering the severity of the disease and the initial response of the patient.

Sudden withdrawal of Acthar Gel after prolonged use may lead to adrenal insufficiency or recurrent symptoms. It may be necessary to taper the dose and increase the injection interval to gradually discontinue the medication.

Reference: 1. Data on file: REF-MNK04525. Mallinckrodt ARD LLC.

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When you take a multi-targeted approach* across patient types

Consider Acthar Gel in the treatment of symptomatic sarcoidosis

Patient type: Tough-to-treat disease

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- Cushing's syndrome may occur during therapy but generally resolves after therapy is stopped. Monitor patients for signs and symptoms
- Acthar can cause elevation of blood pressure, salt and water retention, and hypokalemia. Monitor blood pressure and sodium and potassium levels
- Acthar often acts by masking symptoms of other diseases/ disorders. Monitor patients carefully during and for a period following discontinuation of therapy
- Acthar can cause gastrointestinal (GI) bleeding and gastric ulcer. There is also an increased risk for perforation in patients with certain GI disorders. Monitor for signs of perforation and bleeding

- Acthar may be associated with central nervous system effects ranging from euphoria, insomnia, irritability, mood swings, personality changes, and severe depression to psychosis. Existing conditions may be aggravated
- Patients with comorbid disease may have that disease worsened. Caution should be used when prescribing Acthar in patients with diabetes and myasthenia gravis
- Prolonged use of Acthar may produce cataracts, glaucoma, and secondary ocular infections. Monitor for signs and symptoms
- Acthar is immunogenic and prolonged administration of Acthar may increase the risk of hypersensitivity reactions. Cases of anaphylaxis have been reported in the postmarketing setting. Neutralizing antibodies with chronic administration may lead to loss of endogenous ACTH and Acthar activity
- There may be an enhanced effect in patients with hypothyroidism and in those with cirrhosis of the liver
- Long-term use may have negative effects on growth and physical development in children. Monitor pediatric patients
- Decrease in bone density may occur. Bone density should be monitored in patients on long-term therapy

Adverse Reactions

- Commonly reported postmarketing adverse reactions for Acthar include injection site reaction, asthenic conditions (including fatigue, malaise, asthenia, and lethargy), fluid retention (including peripheral swelling), insomnia, headache, and blood glucose increased
- The most common adverse reactions for the treatment of infantile spasms (IS) are increased risk of infections, convulsions, hypertension, irritability, and pyrexia. Some patients with IS progress to other forms of seizures; IS sometimes masks these seizures, which may become visible once the clinical spasms from IS resolve

Pregnancy

Acthar may cause fetal harm when administered to a pregnant woman

Please see full Prescribing Information.



