REMICADE-maintenance experienced elevations in ALT at > 1 to <3 times the ULN compared to 34% of patients treated with placebo-maintenance. ALT elevations 23 times the ULN were observed in 5% of patients who received REMICADE-maintenance compared vith 4% of patients who received placebornations. ALT elevations 23 times the ULN were observed in 5% of patients who received REMICADE-maintenance compared vith 4% of patients who received placebornations. ALT elevations 23 times the ULN were observed in 2% of patients who received REMICADE compared vith 1% of patients who received placebornations. ALT elevations 23 times the ULN were observed in 2% of patients who received REMICADE compared with 1% of patients who received placebornations. ALT elevations 23 times the ULN were observed in 2% of patients who received REMICADE compared to 15% of patients who received placebornation and 12% very patients who received REMICADE compared to 15% of patients who received REMICADE compared to 15% neuropathy, dizziness; Heart Rate and Rhythm: arrhythmia, bradycardia, cardiac arrest, tachycardia; Liver and Biliary: biliary pain, cholecystitis, cholecystitis, Metabolic and Nutritional: dehydration; Musculoskeletal: intervertebral disk herniation, tendon disorder; Myo-, Endo-, Pericardial, and Coronary Valve: myocardial infarction; Platelet, Bleeding, and Clotting: thrombocytopenia; Neoplasms: basal cell, breast, lymphoma; Psychiatric: confusion, suicide attempt; Red Blood Cell: anemia, hemolytic anemia; Reproductive: menstrual irregularity; Resistance Mechanism: cellulitis, sepsis, serum sickness; Respiratory: adult respiratory distress syndrome, lower respiratory tract infection (including pneumonia), pleural effusion, pleurisy, pulmonary edema, respiratory insufficiency; Skin and Appendages: increased sweating, ulceration; Urinary: renal calculus, renal failure; Vascular (Extracardiac): brain infarction, pulmonary embolism, thrombophlebitis; White Cell and Reticuloendothelial: leukopenia, lymphadenopathy, Post-marketing Adverse Events The following adverse events, some with fatal outcome, have been reported during post-approval use of REMICADE: neutropenia (see WARNINGS, Hematologic Events), interstitial pneumonitis and very rare rapidly progressive disease), idiopathic thrombocytopenic purpura, pericardial effusion, systemic and cutaneous vasculitis, erythema multiforme, Stevens-Johnson Syndrome, toxic epidermal neurologic events have also been observed, see WARNINGS, Neurologic Events) and acute liver failure, jaundice, hepatitis, and enuropathies (additional neurologic events have also been observed, see WARNINGS, Neurologic Events) and acute liver failure, jaundice, hepatitis, and cholestasis (see WARNINGS, Hepatotoxicity). Because these events are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to REMICADE exposure. The following serious adverse events have laber nevertal experience in childre

REFERENCES: 1. Am J Respir Crit Care Med. 2000;161:S221–S247. 2. See latest Centers for Disease Control guidelines and recommendations for tuberculosis testing in immunocompromised patients. 3. Gardam MA, Keystone EC, Menzies R, et al. Anti-tumor necrosis factor agents and tuberculosis risk: mechanisms of action and clinical management. Lancet Infect Dis. 2003;3:148-155
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infusion reactions should be dictated by the signs and symptoms of the reaction. Appropriate personnel and medication should be available to treat anaphylaxis if it occurs.

Group A Strep May Appear With Vasculitis in Children

BY DAMIAN MCNAMARA

Miami Bureau

TORONTO — The presentation of vasculitis in a child may be complicated when the patient has coexisting strep A infection. Taking time to sniff carefully can lead to the correct diagnosis and treatment, Dr. Miriam Weinstein said at the annual conference of the Canadian Dermatology Association.

She described the case of an otherwise healthy 10-year-old boy who presents with an urticaria-like skin eruption of edematous plaques over his entire body and face. Each lesion persists for more than 24 hours and then resolves completely. He also has fever, abdominal pain, and vasculitis of the small to medium arteries. He has had 10 episodes, each lasting approximately 10 days, in the last 3 years. Differential diagnosis included leukocytoclastic vasculitis, but that condition is rare, with no clear reports in the literature. Polyarteritis nodosa was another consideration, although this patient did not have the painful, tender nodules that are often associated with this condition.

The cutaneous form of polyarteritis nodosa (cPAN) primarily affects the skin without systemic involvement such as vas-Microscopic (mPAN), in contrast, often affects small arteries and veins and can feature lung and kidney involvement. "These are different conditions, but they may be part of a spectrum—from mPAN to

PAN," said Dr. Weinstein, medical director of the pediatric dermatology fellowship program at the Hospital for Sick Children in Toronto.

A skin biopsy in this case indicated neutrophilic vasculitis with inflammation.

Group A strep was cultured from his throat when I saw him on the tenth eruption," Dr. Weinstein said. His throat swab findings were negative between episodes.

Determination of the precise diagnosis

was challenging. "He had a recurrent strep infection. This case involved urticarial erupwhich uncommon with strep. He also had some features consistent with mPAN ... vasculitis of small to medium arteries," Dr. Weinstein said.

The final diagnosis was group A β-hemolytic streptococci-induced mPAN with urticarial lesions.

Group A strep infection is often mistaken for Candida, irritant contact dermatitis, or seborrheic dermatitis. It is often treated but persists, Dr. Weinstein said. Frequently there is an odor with group A strep infection that is not present with Candida.

"Don't forget perianal strep. It is more common than reported and often missed," she said. This usually affects patients younger than 10 years. If asked, these kids will have a history of painful bowel movements and perianal itch.

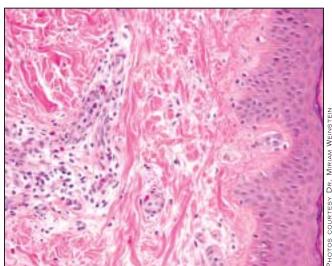
"Often the parents don't know about



Throat swabs were negative between eruptions of a recurrent group A strep infection with vasculitis.

this. It is the first time it's asked," Dr. We-

Both Candida and group A strep can induce psoriasis. Strep is a well-known inducer of psoriasis and psoriasislike conditions. Psoriasiform infectious disease features widespread, acute, well-demarcated, and erythematous plaques with scale. "There are no reports of this in the literature, but many pediatric dermatologists see this," she said.



The child's recurrent group A streptococcus infection with vasculitis was diagnosed on histology findings (above).