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Clinical History: An 8-year-old, mixed breed, male dog was referred to the dermatologist because of cutaneous asymmetrical lesions that suddenly arose on the internal surface of both pinnae a few days after the beginning of a treatment with posaconazole-orbifloxacin-mometasone otologic drops (Posatex MSD) and prednisolone (Vetsolone, Bayer) 0,5 mg/kg per os twice a day to treat an external bilateral bacterial otitis. Lesions progressed involving the perianal area, the scrotum, the lateral aspects of the nares, the lips and the palmo-plantar surfaces of all four limbs. Mild pruritus was noticed. Mild fever was the only systemic sign present for a few days at the time of the onset of the lesions. All the treatments were stopped, including the oral monthly prophylaxis against filariasis (afoxalaner + mylbemicine oxime, Nexgard Spectra, Boehringer). Only an antiseptic bathing (clorexydine 2% shampoo) was prescribed twice weekly and the local application of Thuja drops. Some lesions regressed in a week, but new ones arose.

Laboratory Findings: No abnormalities were observed on CBC, blood chemistry, and thoracic and abdominal radiographs.

Gross and Microscopic Images:

Figure 1: Dog, pinnae, anal region, and base of the tail.
Follow-up questions: Macroscopic lesions, Microscopic lesions, Morphologic diagnosis, Differential diagnosis, Possible Cause.

*The Diagnostic Exercises are an initiative of the Latin Comparative Pathology Group (LCPG), the Latin American subdivision of The Davis-Thompson Foundation. These exercises are contributed by members and non-members from any country of residence. Consider submitting an exercise! A final document containing this material with answers and a brief discussion will be posted on the CL Davis website (http://www.cldavis.org/diagnostic_exercises.html).
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