

# 24<sup>th</sup> Annual Resident Poster Day

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## Peripheral T-Cell Lymphoma, Not Otherwise Specified: Diagnostic and Therapeutic Challenges

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Peripheral T-cell lymphomas represent an uncommon and heterogenous subgroup of non-Hodgkin lymphomas. Typical presenting symptoms include fatigue, painless lymphadenopathy, night sweats, weight loss, and various skin manifestations. Our patient was ultimately diagnosed with CD30-positive PTCL-NOS, and his skin rashes were attributed to retention hyperkeratosis rather than his underlying malignancy. However, his case leads to an important discussion about recognizing the diverse cutaneous manifestations including nodules, ulcers, papules, and plaques of PTCL-NOS, which are seen in about 20% of cases. It is important to distinguish these skin manifestations from cutaneous T-cell lymphomas, which can present similarly as progressive or persistent skin lesions in sun-shielded areas, and generally have a more indolent course with different therapies compared to PTCL-NOS. Overall, outcomes are poor in patients with PTCL-NOS, and we proceeded to treat with brentuximab-vedotin administered in combination with cyclophosphamide, doxorubicin, and prednisone (BV+CHP) as shown in the ECHELON-2 Trial, with the goal of autologous stem cell transplant in first remission after chemotherapy.