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Clinically Diagnosed Leukemia Cutis Across Different Leukemia Subtypes: A Seven-Patient Case Series Highlighting Aggressive Disease and Poor Outcomes

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INTRODUCTION :

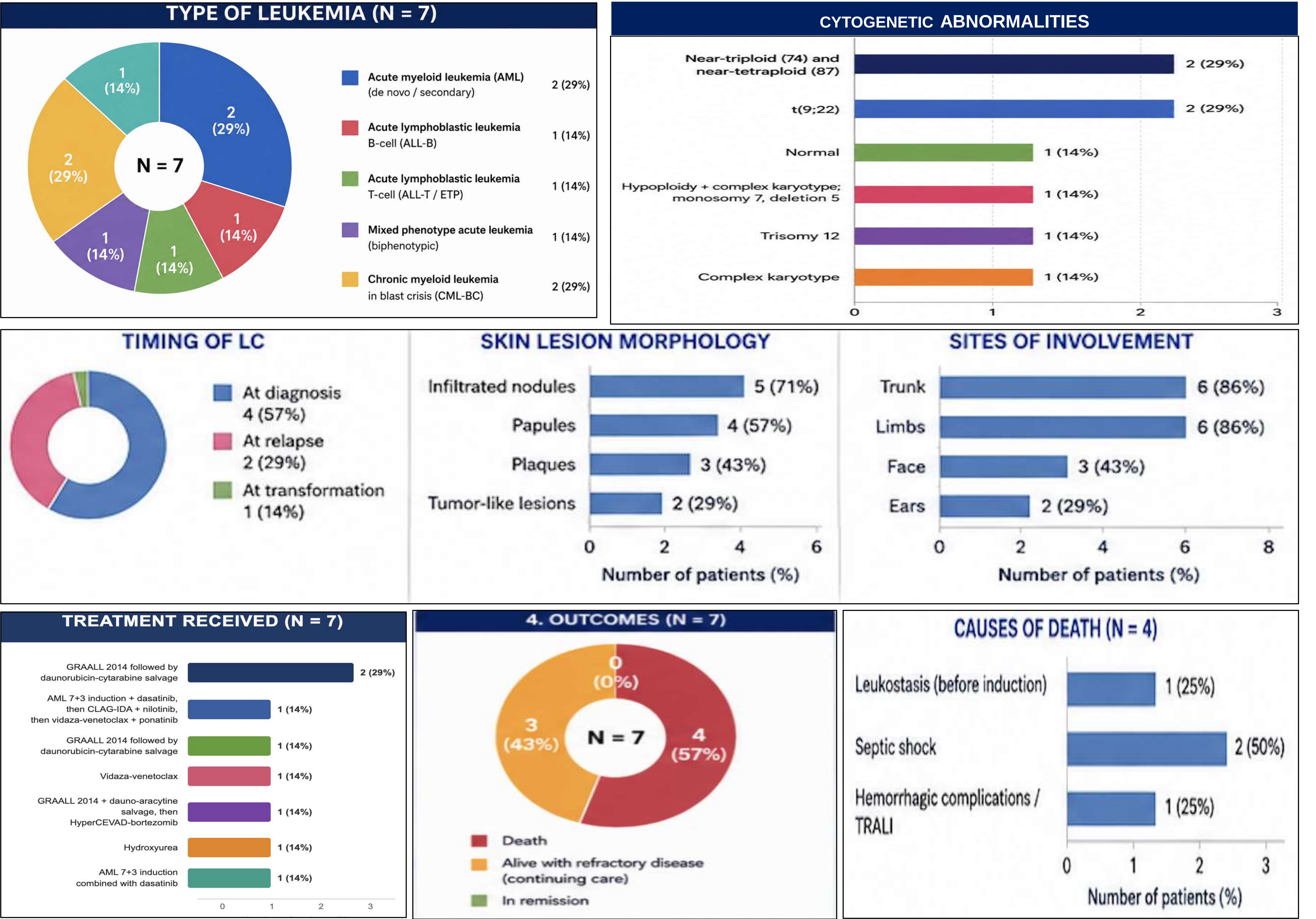
Leukemia cutis (LC) is an uncommon extramedullary manifestation of leukemia resulting from cutaneous infiltration by leukemic cells. It has been associated with aggressive disease biology and poor survival. However, clinical presentations are heterogeneous and data from North African populations remain scarce. and most series rely on histological confirmation, not always feasible in routine practice. We aimed to describe the clinical characteristics and outcomes of patients presenting with clinically diagnosed leukemia cutis in a tertiary hematology center

PATIENTS AND METHODS :

Prospective case series (November 2025–July 2026), including leukemia patients with skin lesions judged clinically consistent with leukemia cutis on joint dermatology–hematology assessment. One patient (ETP-ALL) underwent biopsy to distinguish leukemic infiltration from relapse of a pre-existing cutaneous T-cell lymphoma; no other histological confirmation was performed.

RESULTS :

Seven patients were included (sex ratio H/F 6/1), median age 40 years (22–66).



CONCLUSION :

In this case series, clinically diagnosed leukemia cutis was consistently associated with aggressive hematologic malignancies, treatment resistance, and poor clinical outcomes. Recognition of suspicious cutaneous lesions by dermatologists and hematologists may facilitate early identification of disease progression or transformation. Larger prospective studies incorporating systematic histopathological confirmation are warranted to better define the prognostic significance of leukemia cutis.

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