Prevalence and characteristics of metabolic syndrome in adults from the French childhood leukemia survivors’ cohort: a comparison with controls from the French population

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Supplemental methods:

Since 1980, in France, 80% of patients treated for acute leukemia have been included in the L.E.A. cohort.

- **Inclusion criteria in L.E.A.:**
  1. Acute leukemia diagnosis;
  2. Age <18 years at AL diagnosis;
  3. Diagnosis from January 1980;
  4. Treatment of acute leukemia in one of the LEA participating centers;
  5. Residency in France.
  6. Surviving over 12 months after allogeneic HSCT;
  7. Signature of the LEA informed consent by the patient if over 18 or its legal representatives.

- **The L.E.A. medical visits:**
  Data were collected during specific medical visits at predefined dates, the first appointment taking place one year after completion of chemotherapy or one year after hematopoietic stem cell transplantation. Subsequent appointments were every other year during a 10-year post-chemotherapy/post-transplantation follow-up period. After this 10-year period, visits occurred every four years.

- **Outcome measurement**
  Blood pressure was measured with a sphygmomanometer at rest, and systematically double checked in case the patient presented high blood pressure. Abdominal circumference was evaluated at midlength, halfway between the iliac crest and the bottom rib. Blood samples for fasting glucose, triglycerides and HDL-cholesterol were obtained after fasting overnight.
Supplemental figure

Flow chart: included patients from the L.E.A. cohort

3188 participant patients in the LEA cohort (2007-2014)

1462 adult patients older than 18 years (eligible)

1726 patients younger than 18 years (excluded)

437 patients without complete research of metabolic syndrome (eligible not included)

1025 included patients
Supplemental data

- Cumulative incidence of the Metabolic syndrome among L.E.A. patients

Cumulative incidence of metabolic syndrome in L.E.A. patients (n=1025) aged 18 and over (the metabolic syndrome was not systematically investigated under 18).

- The L.E.A. study group
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