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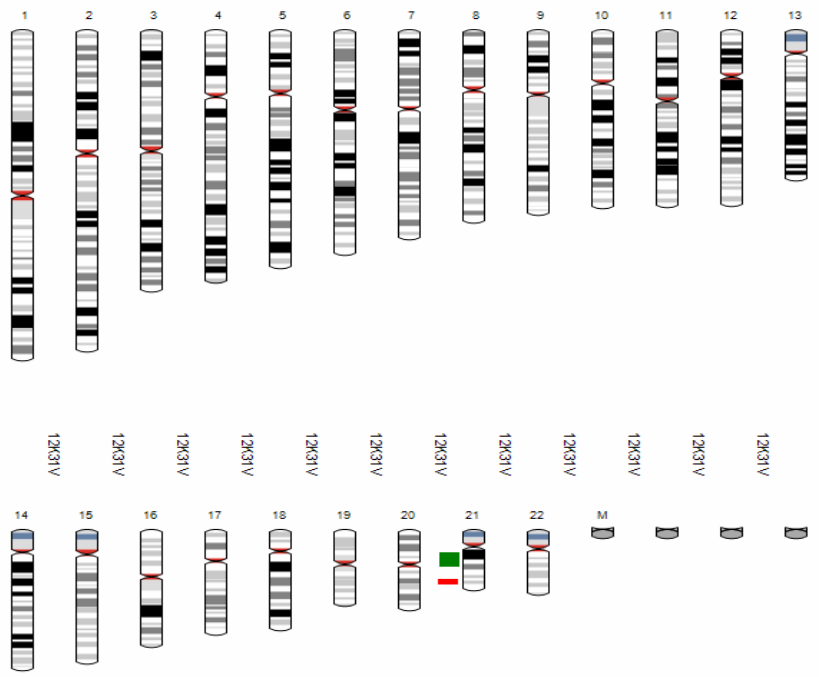
MOLECULAR KARYOTYPING



NOTE: green – duplication/amplification, red – deletion, grey - LOH

Name, surename: Miciulevičius Henrikas

Date of birth:

Diagnosis: C92.00

Assay No.: 14-1PS-8059

Sample code: 14J22K

Specimen: bone marrow

Sample collection date: 2014 09 22

Sample receiving date: 2014 09 22

Ordering physician: J.Rascon

Hospital: Children‘s Hospital, Affiliate of Vilnius University Hospital Santariskiu Klinikos

Researcher: V.Dirsė
Report date: 2014-10-03

Result: arr 21q (36222560-42456593)x3; arr 21q (47538960-48098824)x1

Interpretation:
For analysis of the patient Infinium HD whole-genome genotyping assay with the HumanCytoSNP-12 BeadChip were used (Illumina Inc., San Diego, CA, USA). SNP array detected 21q duplication 6.2 Mb in size and 21q terminal deletion 0.5 Mb in size.
CONCLUSIONS – CYTOCENETIC PROGNOSTIC GROUP: not assessed.
NOTICE: detected 21 duplication encompass *RUNX1* (*AML1*) gene. There are no more clinical relevant oncogenes and leukemia-related genes in detected duplication and deletion. Identified aberrations are not specific for AML/MDS.
For final evaluation of cytogenetic risk group additional clinical criteria are necessary.