Reporting Cytogenetic Results on CIBMTR Forms
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Case Study #1

- The following karyotype is from a 55 yo WM with newly diagnosed AML.
- Cytogenetic report- 20 metaphases analyzed

46,XY[16]
Case Study #1

- What to report on the Pre-TED (F2400)...

- Cytogenetic report
  43XY, add(4)(q21), add(5)(q11.2), add(7)(q11.2),
  -11, add(12)(p11.2), add(15)(p11.2), -16, -18,
  add(19)(q13.3), add(22)(p11.2)
Case Study #1

- F2400 AML disease section Q358-418

There are three monosomy chromosomes listed in the report: -11, -16, -18

Q369 would be answered “yes” for -18, while the -11 & -16 would be reported in Q401
Case Study #1

- How to report the rest of the abnormalities:
  add(4), add(5), add(7), add(12), add(15), add(17), add(19) & add(22)

- Q399 would be answered “yes” and all the abnormalities listed above would be reported in Q401
Case Study #2

• The following karyotype is from a 10 yo AAF with relapsed ALL.

• Cytogenetic report- 20 metaphases analyzed
  28, X, +X, +8, +10, +18, +21[7]
  46, XX[13]

  Interpretation: near haploid clone detected

• The report could have been written this way-
  28,XX,-1,-2,-3,-4,-5,-6,-7,-9,-11,-12,-13,-14,-15,-16,-17,-19,-20,-22[7]; 46,XX[13]
Case Study #2

• What to report on the Pre-TED (F2400)….  
  28, X, +X, +8, +10, +18, +21[7]  
  46, XX[13]

• How would you answer Q425 & Q427?  
  A) Yes  
  B) No
Case Study #2

- Keep in mind this karyotype was a “near haploid clone”. What that means is there are two copies of 8 & 21 and not three copies in the case of a trisomy finding.

28, X, +X, +8, +10, +18, +21[7]
46, XX[13]
Case Study #2

- How to report the rest of the abnormalities...
- 1, -2, -3, -4, -5, -6, -7, -9, -11, -12, -13, -14, -15, -16, -17, -19, -20, -22
Case Study #2

• How to report the rest of the abnormalities...
  -1,-2,-3,-4,-5,-6,-9,-11,-12,-13,-14,-15,-16,-17,-19,-20,-22

  Questions 446-448 would be answered “yes”
  • Report all the remaining abnormalities in Q449
CIBMTR Request 😊

• Please attach a copy of the cytogenetic report when you submit the Pre-TED (F2400)