Primary extramedullary plasmacytoma: similarities with and differences from multiple myeloma revealed by interphase cytogenetics

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Supplementary Figure 1

Figure 1. Interphase fluorescence in situ hybridization of extramedullary plasmacytoma. A, B. Hybridization of primary extramedullary plasmacytoma with an IGH break apart probe. Tumor cells without evidence of an IGH break show a two red/two green (yellow) fusion signal pattern. (A, case 17). In the presence of an IGH translocation, one red, one green and one fusion signal is observed (B, case 19, arrows). In C (case 6) FISH analysis with the dual color fusion probe FGFR3/IGH was performed: one yellow fusion signal is clearly visible in several nuclei (arrows) confirming the presence of a t(4:14)(p16;q32). D, E. FISH analysis with the LSI RB1 13q14 (red). Tumor cells without 13q14 loss show two red signals (D, case 11). Case 19 shows deletion of 13q14 (RB1) (E). F. shows FISH analysis with the LSI DSS23/DSS721, CEP9, CEP15 Multi-Color Probe. Case 13 shows three signals of chromosome 5 (green signals), three signals of centromere 9 (blue signals) and three signals of centromere 15 (red signals).