

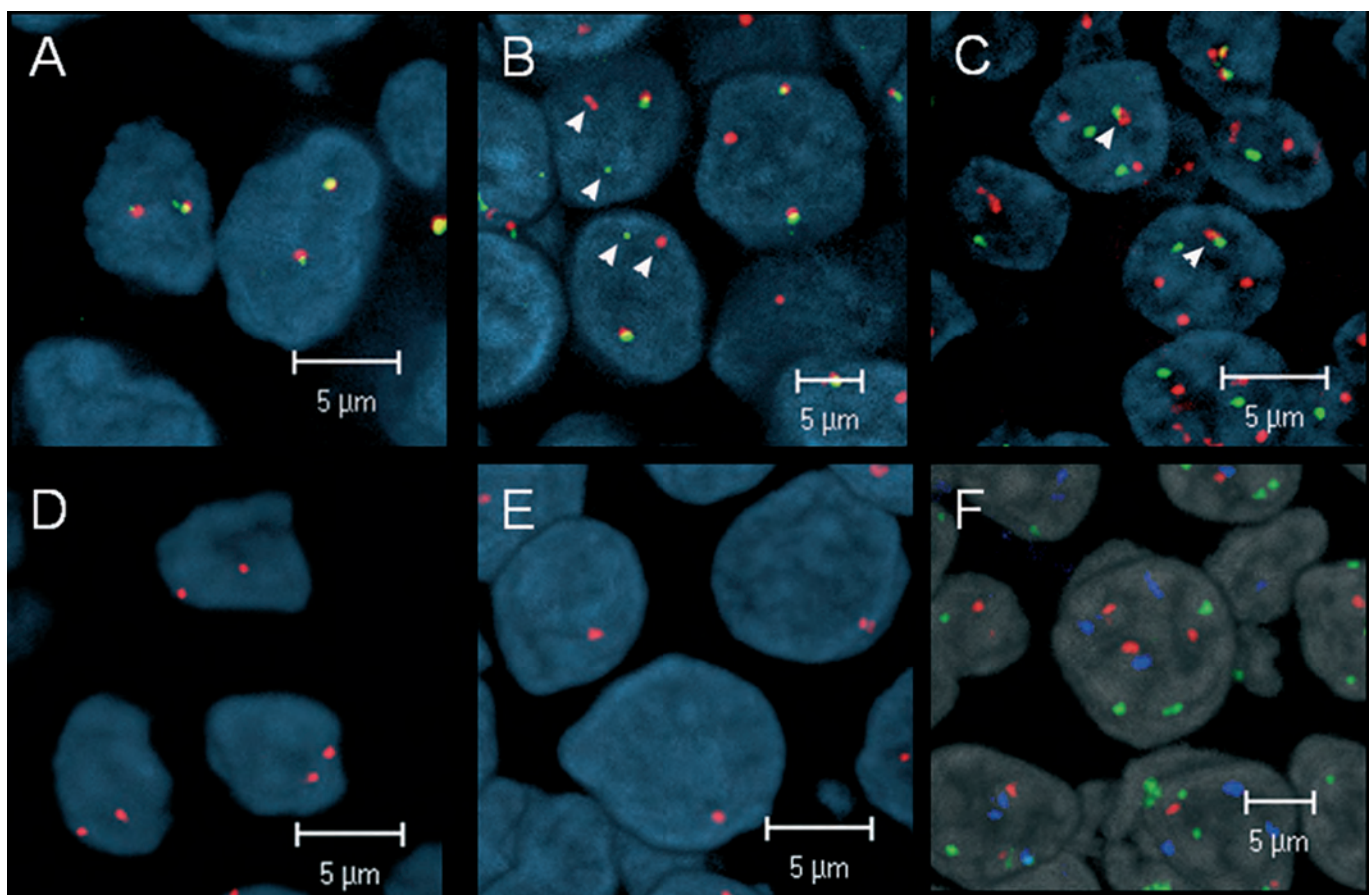
# Primary extramedullary plasmacytoma: similarities with and differences from multiple myeloma revealed by interphase cytogenetics

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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 D5S23/D5S721, 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).