

Figure 4

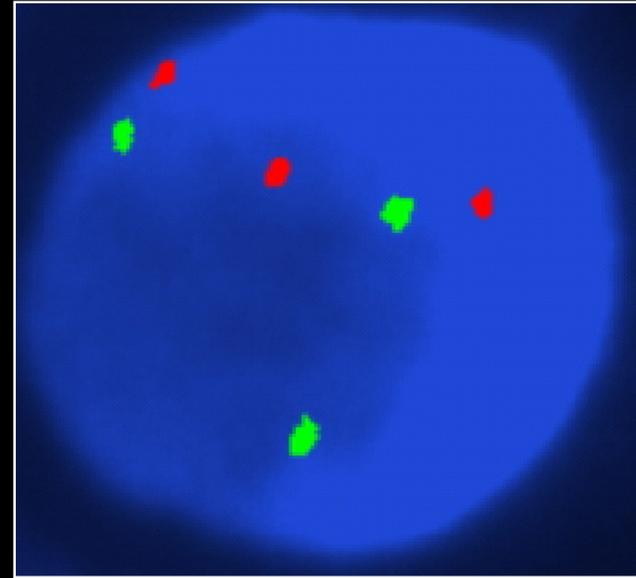


Figure 5

**Molecular Analysis by Polymerase Chain Reaction (PCR):** Molecular studies were performed by Polymerase Chain Reaction and the results were in concurrence with the results of karyotyping and FISH studies.

## FINAL DIAGNOSIS

**A case of Philadelphia chromosome positive Acute Lymphocytic Leukemia (ALL) with trisomy of chromosome 1q – a novel cytogenetic finding**

## DISCUSSION

The balanced translocation between the long arms of chromosomes 9 and 22,  $t(9;22)(q34;q11)$ <sup>1</sup>, leading to the formation of a derivative 22 that contains the fusion product of BCR-ABL gene, namely, the Philadelphia chromosome (Ph). This is the first cytogenetic abnormality associated with a specific human neoplasm. Although the Ph chromosome was first described in Chronic Myeloid Leukemia and is most commonly associated with it (more than 90%), it is also be seen in other hematologic malignancies, including adult ALL (10% to 25%),