

Booking Date	23/06/2023	Patient ID	012306230240	Printed on	03/07/2023
Name	Chandan Lal Shah	Age	67 Years	Sex	- M
Ref By	Vasant Path Lab, Delhi				

**DIAGNOSIS:** MM Panel -2 - del17p, del13q, t(4,14), t(11,14),

**METHODOLOGY:** Fluorescence *in situ* Hybridization (FISH)

**PROBE NAME:** Vysis IGH/FGFR3,DC-DF Translocation Probe Vysis  
Vysis IGH/ CCND1 DC- DF DNA probe  
TP53/CEN 17 SG DC DNA probe  
LSI D13S25 DNA probe

**Interphase Cells Scored:** 100

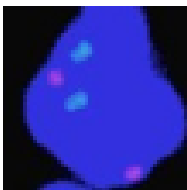
**ISCN:** nucish(FGFR3,IGH)x2[100], (IGH/CCND1)x2[100],(CEN17,p53)x2[100], (D13S25)x2[100]

**Result:** Negative for Multiple Myeloma Probe Panel

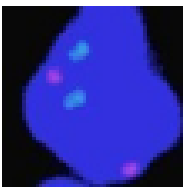
## INTERPRETATION:

Interphase FISH using Multiple Myeloma specific probe panel showed no evidence of abnormality for the IGH/FGFR3, IGH/CCND1, deletion 13q and deletion 17p.

## FISH:



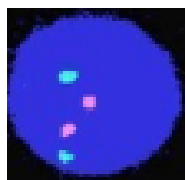
Interphase cell showing two copies of chromosome 14(IGH) (green) and two copies of chromosome 4(FGFR3) (orange).



Interphase cell showing two copies of chromosome 14(IGH) (green) and two copies of chromosome 11(CCND1) (orange).



Interphase cell showing two copies of chromosome 17(green) and two copies of p53 (orange).



Interphase cell showing two copies of chromosome 13q14 (green) and 13qter (green).

## RECOMMENDATION:

Correlation with clinical and pathological findings is recommended. This result should be interpreted in the context of clinical and pathological findings and no clinical decisions should be made solely on the basis of these result.

**Please Note:** Cut-off for detection of monosomy/deletion/trisomy signal pattern in normal individual is 3% for this probe set. Interphase analysis may not detect all structural abnormalities for the chromosomes tested. In addition, chromosome abnormalities from other regions of the genome, which are not tested, cannot be detected by this FISH analysis.

Although the methodology used in this analysis and interpretation is highly accurate, it does not detect all types of chromosome rearrangements. Failure to detect an alteration at any locus does not exclude the diagnosis of any of the disorders.