



CHRISTIAN MEDICAL COLLEGE
VELLORE - 4
DEPARTMENT OF HAEMATOLOGY

MEDICAL REPORT
PRELIMINARY REPORT

Name : RINA MODAK

Hospital Number 591784P

Age : 40

Sex : Female

Visit Date : 13-Jan-2022

Address :

MANBAZAR

PURULIA

WEST BENGAL

Pincode : 723132

DIAGNOSIS : MULTIPLE MYELOMA - IgG KAPPA

ISS - III

Del 17 p Negative]

COMPRESSION FRACTURES OF T11-L1 VERTEBRAE

HYPOVITAMINOSIS D

1st CyBorD on 13.12.2021

received 4 doses of bortezomib

4 doses of Cyclophosphamide

completed first cycle daza course today

s/p 10 # radiotherapy

Inj Zolendronic 4 mg on 13.12.2021

2nd CyborD 1st pulse - 13.1.22

HISTORY

Presenting Complaints:

gen weakness and tiredness

ON EXAMINATION

Physical Exam:

Walks with and without supports.

RS-clear

cvs-sls2+

INVESTIGATIONS

13/01/2022	HAEMOGLOBIN	8.8	GM%	
06/01/2022	HAEMOGLOBIN	8.9	GM%	
29/12/2021	HAEMOGLOBIN	8.7	GM%	
27/12/2021	HAEMOGLOBIN	8.2	GM%	
22/12/2021	HAEMOGLOBIN	8.6	GM%	
18/12/2021	HAEMOGLOBIN	8.6	GM%	
13/12/2021	HAEMOGLOBIN	8.5	GM%	
11/12/2021	HAEMOGLOBIN	8.7	GM%	
09/12/2021	HAEMOGLOBIN	8.8	GM%	
10/12/2021	RETICULOCYTE COUNT	0.74	%	0.5 - 2.5
07/12/2021	RETICULOCYTE COUNT	0.97	%	0.5 - 2.5
13/01/2022	PLATELET COUNT	159000	/ cumm	
1,50,000-4,50,000				
06/01/2022	PLATELET COUNT	389000	/ cumm	
1,50,000-4,50,000				
29/12/2021	PLATELET COUNT	155000	/ cumm	
1,50,000-4,50,000				
27/12/2021	PLATELET COUNT	145000	/ cumm	
1,50,000-4,50,000				
22/12/2021	PLATELET COUNT	231000	/ cumm	
1,50,000-4,50,000				

Printout Taken on 13-Jan-2022 16:00

Accredited by the NABH



18/12/2021	PLATELET COUNT	216000	/ cumm
1,50,000-4,50,000			
13/12/2021	PLATELET COUNT	232000	/ cumm
1,50,000-4,50,000			
11/12/2021	PLATELET COUNT	222000	/ cumm
1,50,000-4,50,000			
13/01/2022	WBC TOTAL	4000	/ cumm
4,000-12,000			
06/01/2022	WBC TOTAL	5000	/ cumm
4,000-12,000			
29/12/2021	WBC TOTAL	4200	/ cumm
4,000-12,000			
27/12/2021	WBC TOTAL	4900	/ cumm
4,000-12,000			
22/12/2021	WBC TOTAL	6900	/ cumm
4,000-12,000			
18/12/2021	WBC TOTAL	5400	/ cumm
4,000-12,000			
13/12/2021	WBC TOTAL	5700	/ cumm
4,000-12,000			
13/01/2022	WBC DIFFERENTIAL		
Mr.Charles			
BLASTS			물
PROMYELOCYTES			물
MYELOCYTES			물
METAMYELOCYTES			물
BANDFORMS			물
NEUTROPHILS			물
EOSINOPHILS	71		물
BASOPHILS	1		물
LYMPHOCYTES	0		물
MONOCYTES	18		물
NUCL RED CELLS	10		물
06/01/2022	WBC DIFFERENTIAL	0.2	/100 WBC
BLASTS			물
PROMYELOCYTES			물
MYELOCYTES			물
METAMYELOCYTES			물
BANDFORMS			물
NEUTROPHILS			물
EOSINOPHILS	84		물
BASOPHILS	0		물
LYMPHOCYTES	0		물
MONOCYTES	4		물
NUCL RED CELLS	12		물
29/12/2021	WBC DIFFERENTIAL	0.8	/100 WBC
BLASTS			물
PROMYELOCYTES			물
MYELOCYTES			물
METAMYELOCYTES			물
BANDFORMS			물
NEUTROPHILS			물
EOSINOPHILS	73		물
BASOPHILS	2		물
LYMPHOCYTES	0		물
MONOCYTES	8		물
NUCL RED CELLS	17		물
27/12/2021	WBC DIFFERENTIAL	0.1	/100 WBC
BLASTS			물
PROMYELOCYTES			물
MYELOCYTES			물
METAMYELOCYTES			물
BANDFORMS			물
NEUTROPHILS			물
EOSINOPHILS	77		물
BASOPHILS	0		물
LYMPHOCYTES	0		물
MONOCYTES	7		물
NUCL RED CELLS	16		물
22/12/2021	WBC DIFFERENTIAL	0.1	/100 WBC
BLASTS			물
PROMYELOCYTES			물
MYELOCYTES			물
METAMYELOCYTES			물
BANDFORMS			물
NEUTROPHILS			물
EOSINOPHILS	75		물
	0		물

	BASOPHILS	0	%	
	LYMPHOCYTES	11	%	
	MONOCYTES	14	%	
	NUCL RED CELLS	0.0	/100 WBC	
12/2021	WBC DIFFERENTIAL			
	BLASTS		%	
	PROMYELOCYTES		%	
	MYELOCYTES		%	
	METAMYELOCYTES		%	
	BANDFORMS		%	
	NEUTROPHILS	70	%	
	EOSINOPHILS	1	%	
	BASOPHILS	0	%	
	LYMPHOCYTES	20	%	
	MONOCYTES	9	%	
	NUCL RED CELLS	0.0	/100 WBC	
13/12/2021	WBC DIFFERENTIAL			
	BLASTS		%	
	PROMYELOCYTES		%	
	MYELOCYTES		%	
	METAMYELOCYTES		%	
	BANDFORMS		%	
	NEUTROPHILS	65	%	
	EOSINOPHILS	2	%	
	BASOPHILS	0	%	
	LYMPHOCYTES	22	%	
	MONOCYTES	11	%	
	NUCL RED CELLS	0.1	/100 WBC	
09/12/2021	BONE MARROW			
	Impression: Myeloma (22% plasmacells) By DR RAVEENA			
	RAVEENDRAN/DR ARPANA PALLE			
07/12/2021	CBC PROFILE			
	NE:78, LY:13, MO:9, EO:0, BA:0, Normochromic normocytic BP			
	Mr.Obed Erick William			
	MCV	82.0	fL	80-100
	MCH	27.3	pG	26-34
	MCHC	33.2	%	31.4-36.3
	RDW	15.1	%	11.5-14.5
	TOTAL WBC	8200	/CUMM	
4,000-12,000	HB	10.4	g/dL	M 13-17;F
11-15	PLATELET COUNT	299000	/CUMM	
1,50,000-4,50,000	RBC	3.80	MM/cumm	M
4.4-5.9;F 3.8-5.2	HCT(PCV)	31.1	%	M 40-50;F
35-46	RETICS		%	0.5-2.5
11/12/2021	URINALYSIS ROUTINE	Auto Validated		
	RBC:2-3 /hpf, WBC:16 /hpf, EC:0-1 /hpf, BACT:PRT, YEAST			
	CELLS:NIL, MUCUS:NIL			
	GLUCOSE	Negative		
	BILIRUBIN	Negative		
	KETONE	Negative		
	SPECI.GRAVITY	1.006		1.015 -
1.025	BLOOD	Negative		
	PH	7.0		4.6 - 8.0
	PROTEIN	Negative		
	UROBILINOGEN	normal		
	NITRITE	Negative		
	LEUKOCYTES	2+		
	RBC		MM/cumm	M
4.4-5.9;F 3.8-5.2	WBC			
27/12/2021	LFT			
	BILIRUBIN TOTAL	0.20	mg/dL	< 1.2
	DIRECT	0.10	mg%	
	PROTEIN TOTAL	7.0	g/dL	6.0-8.5
	ALBUMIN	3.3	g/dL	3.5-5.0
	AST (SGOT)	25	U/L	< 40
	ALT (SGPT)	75	U/L	< 41
	ALKALINE PHOSPHATASE	238	U/L	
Adult:40-125, Child<350, Adolescent:Upto 4 X Adult				
18/12/2021	LFT			
	BILIRUBIN TOTAL	0.35	mg/dL	< 1.2

	DIRECT	0.10	mg%	
	PROTEIN TOTAL	7.7	g/dL	
	ALBUMIN	2.9	g/dL	
	AST (SGOT)	61	U/L	
	ALT (SGPT)	120	U/L	
	ALKALINE PHOSPHATASE	133	U/L	
Adult:40-125, Child<350, Adolescent:Upto 4 X Adult				
13/12/2021	LFT			
	BILIRUBIN TOTAL	0.20	mg/dL	
	DIRECT	0.10	mg%	
	PROTEIN TOTAL	10.0 R	g/dL	
	ALBUMIN	2.8	g/dL	
	AST (SGOT)	27	U/L	
	ALT (SGPT)	37	U/L	
	ALKALINE PHOSPHATASE	110	U/L	
Adult:40-125, Child<350, Adolescent:Upto 4 X Adult				
07/12/2021	LFT			
	BILIRUBIN TOTAL	0.69	mg/dL	< 1.2
	DIRECT	0.14	mg%	
	PROTEIN TOTAL	12.1 R	g/dL	6.0-8.5
	ALBUMIN	3.3	g/dL	3.5-5.0
	AST (SGOT)	23	U/L	< 40
	ALT (SGPT)	30	U/L	< 41
	ALKALINE PHOSPHATASE	137	U/L	
Adult:40-125, Child<350, Adolescent:Upto 4 X Adult				
13/01/2022	ALBUMIN	3.9	g/dL	3.5-5.0
12/12/2021	ALBUMIN	2.6	g/dL	3.5-5.0
11/12/2021	ALBUMIN	2.5	g/dL	3.5-5.0
10/12/2021	ALBUMIN	2.5	g/dL	3.5-5.0
09/12/2021	ALBUMIN	2.5	g/dL	3.5-5.0
09/12/2021	ALBUMIN	2.5	g/dL	3.5-5.0
07/12/2021	LDH	171	U/L	135-214
25/12/2021	SODIUM	131	m mol/L	135-145
20/12/2021	POTASSIUM	4.8	m mol/L	3.5-5.0
11/12/2021	POTASSIUM	3.3	m mol/L	3.5-5.0
13/01/2022	CREATININE	0.53	mg%	0.5-1.4
29/12/2021	CREATININE	0.58	mg%	0.5-1.4
27/12/2021	CREATININE	0.57	mg%	0.5-1.4
24/12/2021	CREATININE	0.59	mg%	0.5-1.4
21/12/2021	CREATININE	0.64	mg%	0.5-1.4
20/12/2021	CREATININE	0.61	mg%	0.5-1.4
18/12/2021	CREATININE	0.64	mg%	0.5-1.4
14/12/2021	CREATININE	0.92	mg%	0.5-1.4
13/12/2021	CREATININE	1.01	mg%	0.5-1.4
12/12/2021	CREATININE	1.01	mg%	0.5-1.4
11/12/2021	CREATININE	1.19	mg%	0.5-1.4
10/12/2021	CREATININE	1.29	mg%	0.5-1.4
09/12/2021	CREATININE	1.64	mg%	0.5-1.4
21/12/2021	URIC ACID	1.8	mg%	M:3.4-7.0;
F:2.4-5.7				
13/12/2021	URIC ACID	1.2 R	mg%	M:3.4-7.0;
F:2.4-5.7				
07/12/2021	URIC ACID	10.3 R	mg%	M:3.4-7.0;
F:2.4-5.7				
29/12/2021	GLUCOSE RAN PL	110	mg/dL	<=200
09/12/2021	URINE SPOT BENICE JONES PROTEIN			
Qualitative:BJP NEGATIVE				
FAINT BJP POSITIVE (BICLONAL)				
09/12/2021	ELECTROPHORESIS SERUM			
M-BAND IN THE GAMMA REGION M=4.69 G%				
	ALBUMIN	2.5	g/dL	3.5-5.0
0.42	ALPHA 1		g/dL	0.17 -
1.00	ALPHA 2		g/dL	0.42 -
0.61	BETA 1		g/dL	0.28 -
0.55	BETA 2		g/dL	0.19 -
1.60	GAMA		g/dL	0.67 -
A/G RATIO				
10/12/2021	PROTEIN TOTAL	9.4	g/dL	6.0-8.5
	IRON	57	ug%	M 60-160;
F 40-145				
	TIBC	177	ug%	M 300-400;

50				
2021	MAGNESIUM	1.92	mg/dL	1.6-2.6
2021	SERUM ELECTROLYTES			
	SODIUM	129 R	m mol/L	135-145
	POTASSIUM	3.9	m mol/L	3.5-5.0
	BICARBONATE	26	m mol/L	22-29
12/2021	SERUM ELECTROLYTES			
	SODIUM	130	m mol/L	135-145
	POTASSIUM	4.9	m mol/L	3.5-5.0
	BICARBONATE	21	m mol/L	22-29
18/12/2021	SERUM ELECTROLYTES			
	SODIUM	130	m mol/L	135-145
	POTASSIUM	3.2	m mol/L	3.5-5.0
	BICARBONATE	23	m mol/L	22-29
12/12/2021	SERUM ELECTROLYTES			
	SODIUM	132	m mol/L	135-145
	POTASSIUM	2.9	m mol/L	3.5-5.0
	BICARBONATE	23	m mol/L	22-29
11/12/2021	SERUM ELECTROLYTES			
	SODIUM	129	m mol/L	135-145
	POTASSIUM	3.1	m mol/L	3.5-5.0
	BICARBONATE	26	m mol/L	22-29
10/12/2021	SERUM ELECTROLYTES			
	SODIUM	131	m mol/L	135-145
	POTASSIUM	3.2	m mol/L	3.5-5.0
	BICARBONATE	23	m mol/L	22-29
09/12/2021	SERUM ELECTROLYTES			
	SODIUM	129	m mol/L	135-145
	POTASSIUM	3.5	m mol/L	3.5-5.0
	BICARBONATE	20	m mol/L	22-29
07/12/2021	SERUM ELECTROLYTES			
	SODIUM	120 R	m mol/L	135-145
	POTASSIUM	4.4	m mol/L	3.5-5.0
	BICARBONATE	23	m mol/L	22-29
13/01/2022	CALCIUM AND PHOSPHATE			
	CALCIUM	8.25	mg%	8.3-10.4
	PHOSPHORUS	1.9 R	mg%	2.5-4.6
29/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	7.81	mg%	8.3-10.4
	PHOSPHORUS	2.7	mg%	2.5-4.6
24/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	8.53	mg%	8.3-10.4
	PHOSPHORUS	2.8	mg%	2.5-4.6
21/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	8.81 -R	mg%	8.3-10.4
	PHOSPHORUS	2.9	mg%	2.5-4.6
19/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	7.93-R	mg%	8.3-10.4
	PHOSPHORUS	2.1	mg%	2.5-4.6
18/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	5.81-R	mg%	8.3-10.4
	PHOSPHORUS	0.7-R	mg%	2.5-4.6
14/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	9.97	mg%	8.3-10.4
	PHOSPHORUS	2.5	mg%	2.5-4.6
13/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	10.30	mg%	8.3-10.4
	PHOSPHORUS	2.4	mg%	2.5-4.6
12/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	10.52	mg%	8.3-10.4
	PHOSPHORUS	2.4	mg%	2.5-4.6
11/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	10.48	mg%	8.3-10.4
	PHOSPHORUS	2.6	mg%	2.5-4.6
10/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	11.37	mg%	8.3-10.4
	PHOSPHORUS	3.0	mg%	2.5-4.6
09/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	11.79 R	mg%	8.3-10.4
	PHOSPHORUS	2.3	mg%	2.5-4.6
09/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	11.70	mg%	8.3-10.4
	PHOSPHORUS	3.4	mg%	2.5-4.6
07/12/2021	CALCIUM AND PHOSPHATE			
	CALCIUM	15.8 R	mg%	8.3-10.4
	PHOSPHORUS	5.2	mg%	2.5-4.6
21/12/2021	SERUM OSMOLALITY	284	m mol/kg	275-295

27/12/2021	NA/K	130	m mol/L	
	SODIUM	5.3	m mol/L	
24/12/2021	POTASSIUM			
	NA/K	130	m mol/L	
	SODIUM	4.1	m mol/L	
22/12/2021	POTASSIUM			
	NA/K	132	m mol/L	
	SODIUM	5.3 -R	m mol/L	
21/12/2021	POTASSIUM			
	NA/K	127 -R	m mol/L	
	SODIUM	6.0 -R	m mol/L	
19/12/2021	POTASSIUM			
	NA/K	130	m mol/L	
	SODIUM	5.5 -R	m mol/L	
13/12/2021	POTASSIUM			
	NA/K	133	m mol/L	
	SODIUM	3.9	m mol/L	
07/12/2021	UREA/CREATININE			
	UREA	91	mg/L	13-43
	CREATININE	2.25 R	mg/L	0.5-1.4
10/12/2021	FERRITIN	253.4	ng/ml	M 22-322
F 10-291				
09/12/2021	BETA 2 MICROGLOBULIN	6.33	mg/L	0.8-2.2
13/12/2021	VITAMIN D(25 OH)	26.7	ng/ml	> 30
18/12/2021	KAPPA CHAIN AND LAMBDA CHAIN(FREE)			KAPPA
3.30-19.40; LAMBDA 5.71-26.30				
	KAPPA	9.05	mg/L	3.30-19.4
mg/L				
	LAMBDA	8.20	mg/L	5.71-26.30
mg/L				
	K/L RATIO	1.10		0.26-1.65
09/12/2021	IMMUNOFIXATION ELECTROPHORESIS			
Qualitative	: NORMAL IFE			
	Ig G KAPPA			
13/12/2021	PROCALCITONIN	6.15	ng/ml	
21/12/2021	POTASSIUM STAT (HEPARIN)	5.1	mmol/L	3.2-4.7
11/12/2021	CULTURE BLOOD			
	Final Report-No Growth			
22/12/2021	C/S URINE COMMON			
	OCCASIONAL PUS CELLS, OCCASIONAL EPITH CELLS,			
	FEW GNB , OCCASIONAL OVAL YEAST			
	> 100,000 CFU/ML SIGNIFICANT KLEBSIELLA SPP ALONG WITH			
	[SCANTY] MIXTURE OF ORGANISMS			
	Klebsiella sp.			
Amox/Clavu	Resistant			
Amikacin	Susceptible			
Cefoper +	Susceptible			
Nitrofurantoin	Resistant			
Ertapenem	Susceptible			
Meropenem	Susceptible			
Co-Trimoxazole	--			
Gentamicin	Resistant			
Netilmicin	--			
Piperacillin	Resistant			
Cefpodoxim	Resistant			
Imipenem	--			
Ciprofloxacin	Resistant			
13/12/2021	C/S URINE COMMON			
	NO PUS CELLS, NO BACTERIA			
	> 100,000 CFU/ML SIGNIFICANT ENTEROCOCCUS SPP			
	Enterococcus sp.			
Nitrofurantoin	Resistant			
Teicoplanin	Susceptible			
Ampicillin	Resistant			
Linezolid	Susceptible			
Gentamicin	Resistant			
Vancomycin	Susceptible			
21/12/2021	E.C.G. - OFF TIME/BED SIDE			REPORT UPLOADED
18/12/2021	E.C.G. - OFF TIME/BED SIDE			REPORT UPLOADED
14/12/2021	ECHO - ADULT - CARDIOLOGY			REPORT UPLOADED
16/12/2021	QUALITATIVE PCR FOR SARS COV-2	[ROUTINE]		NEGATIVE
09/12/2021	CMC - SPECIAL BIOPSIES			44431/21
	Myeloma, trephine biopsy.			
	Reported by : Dr. Abha Elizabeth John			
	Reported on : 11/12/2021 09:00:07			
10/12/2021	ARTERIAL BLOOD GAS - MICU			Sample Type - A

arterial			
pH(T)	7.52		
pCO2(T)	29	mmHg	
pO2(T)	89	mmHg	
cNa+	134	mmol/L	135 - 146
cK+	2.9	mmol/L	3.5 - 4.5
cCl-	108	mmol/L	98 - 108
Ca2+	6.68	mg/dL	
Glu	109	mg/dL	
cLac	0.8	mmol/L	0.4 - 1.2
ctHb	8.8	g/dL	12.5 -
BEecf	0.8	mmol/L	
HCO3	23.7	mmol/L	
PO2(I)	21.0	%	
PEEP		mmol/L	
P/F Ratio	424	mmHg	
AG	5	mmol/L	
A-a DO2	24	mmHg	
HCT(PCV)	26	%	M 40-50, F
O2 Hb	95.9	%	
CO Hb	1.1	%	
MetHb	0.9	%	
HHb	2.0	%	
Peak pressure		Cm H2O	
Mean Airway Pressure		Cm H2O	
Tidal volume		mL	
Minute ventilation		L	
SO2c	98.0	%	

DISCUSSION

plan: CyborD x 4 cycles

RECOMMENDATIONS

Tab. dexamethasone 40mg od x 1 day(1/7)
 Tab Cyclophosphamide 400 mg Po Stat (1/7)
 inj. Bortezomib 2mg sc stat(1/7)

Tab Acyclovir 400mg PO twice a day
 Tab Septran Ds 1 tab PO twice a day 2/7
 Candid Mouth paint three times day for 5 days

Tab Shelcal 500mg PO twice a day
 Tab Pantop 40mg PO Once a day
 Tab Emeset 8 mg PO PRN

Tab Paracetamol 1 gm three times a day
 Tab Morphine 5mg PO Q6H
 Syrup cremaffin 20ml Po three times a day
 Tab Dulcolax 10mg as and when required

plan :
 To continue 3 months of CyborD in Bankura sammillani medical college , Bankura in
 hemat / Onco department and review after 3 months

THIS REPORT HAS NOT BEEN FINALISED. PLEASE ENSURE THAT YOU COLLECT YOUR FINAL REPORT

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