

HEMATOLOGY ALL METHOD REPORT

Cycle-11/2022

Round -3

Date: 25/05/2022

Lab Code: 2352

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	169	11.6	0.4	0.04	10.8-12.4	11.6	0.0
WBC $\times 10^3/\mu\text{l}$.	169	10.7	2.0	0.19	6.8-14.6	12.4	0.9
RBC $\times 10^6/\mu\text{l}$.	168	4.0	0.1	0.01	3.76-4.24	3.93	-0.7
Hct%	167	35.7	2.3	0.22	31.1-40.3	36.0	0.1
MCV fl.	168	89.3	4.6	0.44	80.1-98.5	91.8	0.5
MCH pg.	168	29.1	0.9	0.09	27.3-31.0	29.6	0.6
MCHC gm/dl	168	32.7	2.1	0.20	28.5-36.8	32.2	-0.2
Platelet $\times 10^3/\mu\text{l}$.	168	252.8	21.0	2.03	210.8-294.8	280	1.3

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	P-63, L-35, M-2	P-61.5-74.4, L-19.3-31.6 Pmyelo-23.4-70.7
Morphology	RBCs show mild anisopoikilocytosis, cells are normocytic normochromic. No immature cells/ inclusions, WBCs are normal in number and morphology, predominantly neutrophils platelets are increased in number, of varying sizes and present predominantly in singles, large platelets noted	Δ Thrombocytosis (125/134) Δ Normocytic/ Normochromic (122/134) Δ Hypersegmented Neutrophils (43/134) Δ Giant Platelets (34/134) Δ Anisocytosis (25/134)
Diagnosis	Normocytic Normochromic blood picture noted with thrombocytosis	Thrombocytosis/ Essential Thrombocythemia/ Myeloproliferative Neoplasm(MPN)/ Reactive Thrombocytosis/ Essential Thrombocytosis

Legends	(*) Excluded From Group Mean	{.} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Doc No. ASS/FR/06/R 01/ Dt. 05.01.2022

Programme Director

Dr. Bandana Mehrotra

****End of Report****

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HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -1

Date: 21/02/2022

Lab Code: 2352

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	113	11.7	0.4	0.05	10.9-12.5	11.5	-0.5
WBC $\times 10^3/\mu\text{L}$	113	9.8	2.7	0.32	4.4-15.2	11.2	0.5
RBC $\times 10^6/\mu\text{L}$	114	4.0	0.2	0.02	3.68-4.28	3.90	-0.5
Hct%	113	35.6	2.8	0.33	30.0-41.2	35.6	0.0
MCV fl.	114	89.5	4.9	0.57	79.8-99.2	91.5	0.4
MCH pg.	113	29.4	1.0	0.12	27.4-31.4	29.0	-0.4
MCHC gm/dl	113	32.8	2.4	0.28	28.0-37.6	32.4	-0.2
Platelet $\times 10^3/\mu\text{L}$	114	259.9	19.3	2.26	221.4-298.4	271	0.6

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	B1-2, Pmyelo-1, Myelo-26, Mmyelo-12, S-15, P-35, L-4, E-2, M-1, B-2, nRBC-2	Myelo-10.8-33.9, P-10.3-42.8, Mmyelo-6.7-19.9, S-5.7-20.2, Pmyelo-1.7-12.4
Morphology	RBCs are normocytic normochromic WBCs are markedly increased in number with shift to left of myeloid series with myelocyte peak. Mild basophilia present, Myeloblast 2%, Platelets are decreased in number	Δ Normocytic/Normochromic (64/107) Δ Thrombocytosis (55/107) Δ Leukocytosis (45/107)
Diagnosis	Myeloproliferative Neoplasm- Chronic Myeloid Leukemia	Chronic Myeloproliferative Disorder likely CML in Chronic Phase/ Chronic Myeloid Leukemia- Chronic Phase

Legends	(*) Excluded From Group Mean	{.} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator



Dr. Sanjay Mehrotra

Programme Director



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HEMATOLOGY

ALL METHOD REPORT

Cycle-11/2022

Round -2

Lab Code: 2352

Date: 05/04/2022

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	151	11.7	0.4	0.04	10.9-12.4	11.8	0.3
WBC $\times 10^3/\mu\text{l}$.	151	10.1	2.4	0.24	5.3-14.8	11.9	0.8
RBC $\times 10^6/\mu\text{l}$.	151	4.0	0.1	0.01	3.77-4.25	3.98	-0.2
Hct%	151	35.2	2.4	0.24	30.5-39.9	35.6	0.2
MCV fl.	151	87.7	4.3	0.44	79.2-96.3	89.4	0.4
MCH pg.	151	29.1	1.0	0.10	27.1-31.0	29.7	0.6
MCHC gm/dl	151	33.0	2.2	0.22	28.7-37.3	33.3	0.1
Platelet $\times 10^3/\mu\text{l}$.	151	260.5	18.5	1.88	223.6-297.5	267	0.4

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear(PBS):

	Your Result	Consensus Result
DLC	Bl-85, Myelo-1, Mmyelo-1, S-1, p-6, L-3, E-1, M-2, nRBC-1	Bl-44.3-69.2, P-8.1-21.8, L-6.8-26.6 Pmyelo-0.1-10.7, M-1.1-5.5
Morphology	RBCs are normocytic normochromic WBCs are increased in number with presence of blasts of myeloid origin with moderate cytoplasm and prominent 2-3 nucleoli. platelets are reduced in number and present singly	Δ Normocytic/Normochromic (107/123) Δ Thrombocytopenia (94/123) Δ Blasts (91/123) Δ Leukocytosis (55/123)
Diagnosis	Acute Leukemia Myeloid origin	Acute Leukemia/ Acute Myeloid Leukemia (AML)

Legends	(*) Excluded From Group Mean	{.} Not Reported	(#)Late Result Submission	(\$)Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Prepared by: SS

Programme Director

Dr. Bandana Mehrotra

End of Report

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RML - Quality Assurance Program (RML - QAP)



HEMATOLOGY

ALL METHOD REPORT

Lab Code: 2352

Cycle 11/2022
Round -5

Date: 07/09/2022

Complete Blood Count (CBC)

Parameters	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index (SDI)
Hb gm/dl	210	11.6	0.5	0.04	10.5-12.6	10.9	-1.4
WBC $\times 10^3/\mu\text{l}$	209	10.6	2.6	0.22	5.5-15.8	13.5	1.1
RBC $\times 10^9/\mu\text{l}$	209	4.0	0.2	0.02	3.67-4.39	3.78	-2.1
Hct%	208	35.3	2.4	0.21	30.5-40.1	32.4	-1.2
MCV fl.	209	87.7	4.7	0.41	78.2-97.1	90.3	0.6
MCH pg.	209	28.8	1.1	0.10	26.5-31.0	30.4	1.5
MCHC gm/dl	209	32.8	2.0	0.17	28.8-36.8	33.7	0.5
Platelet $\times 10^3/\mu\text{l}$	209	268.6	23.2	2.01	222.1-315.0	294	1.1

Interpretation of SDI:

SDI Value (-/+)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Peripheral Blood Smear (PBS):

	Your Result	Consensus Result
DLC	B-77, Pmyelo-1, Myelo-1, Mono-1, S-3, P-10, T-2, E-1, M-1	P-61 0.76.8 L-16.8 30.7 E-1 0.4.4 M-1.5 4.6
Morphology	RBC's are normocytic normochromic occasional microcytic hypochromic cells. WBC's are normal in total number. Blasts of myeloid origin present (7.7%) platelets are reduced in number.	Δ Microcytic/ Microcytosis (140/155) Δ Hypochromic/Hypochromia (133/155) Δ Anisocytosis (108/155) Δ Poikilocytosis (87/155) Δ Thrombocytopenia (65/155)
Diagnosis	Acute Myeloid Leukemia (Sub-leukemic phase)	Microcytic Hypochromic Anemia/ Dimorphic Anemia/ Nutritional Deficiency Anemia/ Iron Deficiency Anemia

Legends	(*) Excluded From Group Mean	[] Not Reported	(#) Late Result Submission	(S) Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Doc No: ASS/FR/06/R01/Dr/05/01/2022

- End of Report -

Programme Director

Dr. Bandana Mehrotra

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HEMATOLOGY

METHOD WISE REPORT

Lab Code: 2352

Cycle-11/2022
Round-5

Date: 07/09/2022

Note: Your lab is not the part of Method Group

Complete Blood Count (CBC)

Parameters	Method Group	No. of Participants	Group Mean	Standard deviation (SD)	Uncertainty of Assign Values	Range (± 2 SD)	Your Value	Standard Deviation Index(SDI)
Hb gm/dl	Photometric	64	11.5	0.5	0.08	10.4-12.6	-	-
WBC $\times 10^3/\mu\text{l}$	Electrical impedance	70	10.8	1.0	0.30	6.7-14.8	-	-
RBC $\times 10^6/\mu\text{l}$	Electrical impedance	81	4.0	0.2	0.03	3.7-4.4	-	-
Hct%	Calculated	39	35.4	1.7	0.34	31.9-38.8	-	-
MCV fl.	Electrical impedance	45	87.2	4.8	0.89	77.7-96.8	-	-
MCH pg.	Calculated	63	28.7	1.1	0.15	26.5-31.0	-	-
MCHC gm/dl	Calculated	87	32.8	1.9	0.25	28.9-36.6	-	-
Platelet $\times 10^3/\mu\text{l}$	Electrical impedance	79	265.8	22.2	3.12	221.4-310.2	-	-

Interpretation of SDI:

SDI Value(+/-)	0 - 0.5	0.6 - 0.9	1.0 - 2.0	2.1 - 2.9	≥ 3
Interpretation	Excellent Performance	Good Performance	Acceptable Performance	Marginal Performance Need Improvement	Unacceptable Performance Needs Urgent action

Legends	(*) Excluded From Group Mean	() Not Reported	(#) Late Result Submission	(\$) Reported in other Unit
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Chief Coordinator

Dr. Sanjay Mehrotra

Checked By:

Prepared By: SSh

Programme Director

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End of Report

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