

## Fwd: Bone marrow biopsy results

nellmary mcewan <nellmarym@gmail.com>

Wed 19/07/2023 2:43 PM

To: The Well Collective Studio <hello@thewellcollective.com.au>

Sent from my iPhone

Begin forwarded message:

**From:** nellmary mcewan <nellmarym@gmail.com>

**Date:** 28 June 2023 at 9:13:01 pm AEST

**To:** Dr Joseph Biles <JBiles@qsmmed.com.au>

**Subject: Re: Bone marrow biopsy results**

Thank you

Sent from my iPhone

On 28 Jun 2023, at 7:05 pm, Dr Joseph Biles  
<JBiles@qsmmed.com.au> wrote:

Dr Joe Biles, MBBS, FRACGP  
Provider No: 2328667F  
Professional Centre, 12 Queen St  
PO BOX 76, Murwillumbah 2484

Phone: 0266721244  
Fax: 0266726029

28th June 2023

Nellmary McEwan  
4 Eyles Ave  
Murwillumbah 2482

Dera Nellmary,

Your bone marrow biopsy results are attached.

They are suggestive of monoclonal gammopathy of uncertain  
significance.

The chromosome studies are still pending.

MCEWAN,        NELLMARY

4 EYLES AVE, MURWILLUMBAH. 2484  
**Birthdate:** 18/02/1959 **Sex:** F **Medicare Number:**  
28906522211  
**Your Reference:** **Lab Reference:** 23-56483246-  
BM-0  
**Laboratory:** QML Pathology  
**Addressee:** DR JOSEPH P BILES **Referred by:** DR  
ALEJANDRO ARBELAEZ ACEVEDO  
**Copy to:**  
DR JOSEPH P BILES  
HOSPITAL THE TWEED  
DR ALEJANDRO L ARBELAEZACEVEDO

**Name of Test:** BONE MARROW EXAMINATION  
**Requested:** 23/06/2023 **Collected:** 23/06/2023  
**Reported:** 27/06/2023 11:29

#### BONE MARROW EXAMINATION

Bone Marrow Biopsy: Jamshidi

Performed at: Tweed Cancer Care Unit, Tweed Heads

By: Dr A. Arbelaez Acevedo On: 23 June 2023

Clinical Notes/History:

? Plasma Cell Dyscrasia

#### Laboratory Parameters:

Hb: 126 g/L MCV: 91 fL Platelets: 213 x10 <sup>9</sup> /L WCC: 5.8 x10 <sup>9</sup> /L

Retic: 0.9 %

#### Other Investigations:

11/05/23: EPP IgG Kappa 25 g/L paraprotein. 11/05/23

FLC Kappa 14, Lambda 6, Ratio 2.33

#### Blood Film:

Nil with sample.

Site: Left Posterior Superior Iliac Spine

Consistency of Bone: Firm

Specimen aspirated without difficulty and multiple fragments obtained.

#### BONE MARROW DIFFERENTIAL

Neutrophils:	15 %	Metamyelocytes:	9 %
Lymphocytes:	9 %	Proerythroblasts:	<1 %
Monocytes:	2 %	Basophilic Erythroblasts:	2 %
Eosinophils:	1 %	Polychromatic Erythroblasts:	20 %
Eosino. Myelocytes:	<1 %	Orthochromatic Erythroblasts:	22 %
Myeloblasts:	<1 %	Plasma Cells:	8 %
Promyelocytes:	3 %	Basophils:	<1 %
Myelocytes:	9 %	Myeloid-Erythroid Ratio:	0.9:1

#### BONE MARROW SMEAR

Cellularity: Fragments with mildly hypocellular trails.

Megakaryopoiesis: Low numbers are consistent with the overall  
hypocellularity. Morphology is predominantly  
normal with rare hypolobated forms.

Granulopoiesis: Well represented with normal maturation.

No significant dysplasia.  
Lymphoid Series: Not increased. Morphology is mainly small and mature.  
Plasma cells: Mildly increased (approximately 8 %). Pleomorphic, with predominantly mature morphology, and some immature with more abundant cytoplasm. Mild atypia with single binucleated form seen. Mature forms occasionally with large cytoplasmic inclusions.  
Erythropoiesis: Well represented with mild dyserythropoiesis insufficient for a diagnosis of dysplasia including N:C asynchrony and rare internuclear bridging.  
Iron Stain: Trace amounts only (Grade 1+ of 6). No abnormal sideroblasts.  
Other cells: No non-haematopoietic infiltrate.

**Conclusions/Salient Features:**

- # Mildly hypocellular aspirate.
- # Adequate trilineage haematopoiesis, with mild dyserythropoiesis but no major dysplasia.
- # Mildly increased plasmacytosis (8 %) with mild atypia.
- # Trace iron stores.

**Diagnosis:**

Plasma Cell Dyscrasia most consistent with a diagnosis of non-IgM Monoclonal Gammopathy of Uncertain Significance (Non-IgM MGUS, WHO 2017), however, assessment of the plasma cell burden will be more accurately assessed on review of the trephine histology and immunohistochemistry.

Correlate with trephine histology, cell surface markers and genetic analyses.

**Reported By:**

Dr G. Polkinghorne (Haematology Registrar)  
Dr A. Livings (Haematologist)

Tests Completed: BONE MARROW EXAMINATION

Tests Pending : INTRACYTOPLASMIC ANALYSIS, CHROMOSOMES, BONE MARROW

Tests Pending : LEUKAEMIA MARKER STUDIES

MCEWAN, NELLMARY  
4 EYLES AVE, MURWILLUMBAH. 2484  
**Birthdate:** 18/02/1959 **Sex:** F **Medicare Number:** 28906522211  
**Your Reference:** CMM-0 **Lab Reference:** 23-56483246-  
**Laboratory:** QML Pathology  
**Addressee:** DR JOSEPH P BILES **Referred by:** DR ALEJANDRO ARBELAEZ ACEVEDO  
**Copy to:**

**Name of Test:** MASTER LYMPHOMA/LEUKAEMIA

**Requested:** 23/06/2023 **Collected:** 23/06/2023

**Reported:** 27/06/2023 18:59

#### CELL SURFACE MARKER ANALYSIS

Specimen Submitted : Bone marrow aspirate

Population Reported: Comprehensive Lymphoid Phenotype  
Reported.

T CELL LINEAGE		B CELL LINEAGE	
CD 7	91 %	CD19	7 %
CD 2	92 %	CD10	3 %
CD 5	76 %	CD20	6 %
CD 3	76 %	Smlg	5 %
CD 4	47 %	kappa	3 %
CD 8	25 %	lambda	2 %
CD56	15 %		
CD16	17 %		
CD4:8	1.9		

#### PLASMA CELL INTRACYTOPLASMIC ANALYSIS

kappa light chain	76 %
lambda light chain	16 %
IgG heavy chain	79 %
IgA heavy chain	21 %
IgM heavy chain	13 %

#### Comment:

Of the aspirated marrow cells:

Lymphoid region represents 25 %.

Monocyte region represents 2 %.

Blast region represents 1 %.

Bright CD38 plasma cells represent 1 %.

#### Lymphoid Cells:

The majority of lymphoid cells are T cells. The B cells present are polyclonal. There is no evidence of a B cell lymphoproliferative disorder.

Approximately 35 % of the B cells are CD19+/CD10+ immature B cells

which presumably represent haematogones.

#### Blast Cells:

Myeloid blasts <2 %.

#### Plasma Cells:

Account for 1 % of cells. They appear IgG kappa restricted.

The plasma cell phenotype is:

CD38+, CD138+, CD19-, CD20-, CD56-, CD117+, CD45-, CD200-  
/weak.

CONCLUSION:

Low level Plasma cell dyscrasia.

Further classification requires correlation with morphology, histology, radiology and biochemistry.

Correlate with morphology, histology and cytogenetics/molecular analysis.

Dr P. Higgins [Haematologist]

C6-957; BE03515

Tests Completed:INTRACYTOPLASMIC ANALYSIS, LEUKAEMIA  
MARKER STUDIES

Tests Completed:BONE MARROW EXAMINATION

Tests Pending :CHROMOSOMES, BONE MARROW

Yours sincerely,  
<image002.jpg>

Dr Joe Biles

Patient Name: McEwan , Nellmary DOB: 18/02/1959

Recipient: Date of Report: 28/06/2023