



SRO-MAIN CAMPUS
401 BICENTENNIAL WAY
SANTA ROSA CA 95403-2149
Encounter Record

HARDEMAN, EDWIN
MRN: [REDACTED]
DOB: [REDACTED] Sex: M
Enc. Date: 02/06/15

Order Results (02/10/15 - 02/13/15) (continued)

SURGICAL PATHOLOGY [561501988] (continued)

Resulted: 02/10/15 1646, Result Status: Final result

Santa Rosa Pathology
401 Bicentennial Way
Santa Rosa, CA 95403
Tel: 707-393-4684 Fax: 707-393-4291
John F. Kunkel, M.D. Laboratory Director



Reviewed by

Turley, Richard (M.D.) on 02/10/15 1703

Resulted: 02/13/15 0835, Result Status: Edited Result - FINAL

IMMUNOHISTOCHEMISTRY [561501989]

Filed on: 03/02/15 0921 Resulting Lab: NCAL PATH INTERFACE

Specimen Information

Type	Source	Collected On
I-1 FULL CONSULT	I-1 CONSULT, FULL	02/06/15 0000

Components

Value	Ref Range	Flag	Comment	Lab
Report, pathology Result:	--			457

Provider: TIFFANY ALYECE CAMARILLO M.D.
Collected: 2/6/2015 Case #: IHC15-1142
Immunohistochemistry Report
Addendum Present
FINAL PATHOLOGIC DIAGNOSIS
RIGHT NECK LYMPH NODE, NEEDLE BIOPSY (SROS15-2109-A1):
- MORPHOLOGIC AND IMMUNOPHENOTYPIC FINDINGS CONSISTENT WITH
DIFFUSE LARGE B-CELL LYMPHOMA (SEE COMMENT)

MITCHELL MITSURU ADACHI M.D.
** Report Electronically Signed by MMA **

Comment
By immunohistochemistry, the large atypical cells are CD20 and PAX5 positive with additional positivity for Bcl2. CD3, CD5, Bcl1, CD10, TdT, CD30, Pan-Cytokeratin, S100, and EBER are negative. The Ki67 proliferation rate is approximately 80% of large cells. The overall morphologic and immunophenotypic findings are consistent with diffuse large B-cell lymphoma. The bcl-6 and MUM-1 positivity is consistent with NON-germinal center B-cell type. FISH studies will be initiated to rule out the possibility of a "double-hit" lymphoma.

Addendum Date Ordered: 3/2/2015 Status: Signed Out
Date Complete: 3/2/2015 By: JOHN M CRUZ
Date Reported: 3/2/2015

TISSUE CHROMOSOME ANALYSIS

Laboratory #: T15-01597 Tissue Type: PARAFFIN

CONFIDENTIAL

HARDEMAN_EDWIN_KAISERPERMANENTE 00099

UNITED STATES DISTRICT COURT
NORTHERN DISTRICT OF CALIFORNIA
TRIAL EXHIBIT 68
Case No. 3:16-cv-0525-VC
Date Entered _____
By _____
Deputy Clerk



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IMMUNOHISTOCHEMISTRY [561501989] (continued)

Resulted: 02/13/15 0835, Result Status: Edited Result -
FINAL

EMBEDDED

Date Obtained: 02/06/15

Date of Report: 02/27/15

Date Received: 02/17/15

Req Prov: Mitchell Adachi

Req Fac: San Francisco

Gen Ctr: San Francisco

Indication: LYMPHOMA (NOS)

Status: Rule out

Other Reasons: SROS15-2109A1, R NECK, CMYC, BCL2, BCL6

IHC15-1142

RESULT

Number of flasks analyzed:

Method: FISH

Number of cells/colonies:

Band Level:

Karyotype: nuc ish(BCL6x2-3) (5'BCL6 sep 3'BCL6x1) [29/100],
(MYCx2) [100], (IGHx2) [100], (BCL2x1) [32/100]

FISH: Positive for BCL6 (3q27) rearrangement in
29% (29/100) of cells and a deletion of BCL2 at
18q21 in 32% (32/100) of cells

INTERPRETATION

Slides with paraffin-embedded tissue were received for
evaluation of BCL2, BCL6, and MYC oncogene rearrangement.
Interphase fluorescence in situ hybridization (FISH) using a
panel of DNA probes (Abbott/Vysis) showed the following
results:

BCL6 rearrangement (3q27): Positive in 29% (29/100) of
cells;

MYC rearrangement (8q24): Negative;

BCL2/IGH fusion or t(14;18) translocation: Negative, BCL2
deletion in 32% of cells.

Rearrangement of the BCL6 is commonly seen in follicular and
diffuse large B-cell lymphoma.

NOTE: The FISH test was developed and its performance
characteristics determined by the TPMG Regional Genetics
Laboratory as required by the CLIA'88 regulations. It has
not been cleared or approved for specific uses by the U.S.
Food and Drug Administration.

The referring pathologist has been notified of these results
through the electronic inbox.

This addendum is issued to report the Tissue Chromosome Analysis by
FISH performed at:

Kaiser Santa Teresa Cytogenetics
5755 Cottle Rd., Bldg 6

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HARDEMAN_EDWIN_KAISERPERMANENTE_00100



THE PERMANENTE
MEDICAL GROUP

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Order Results (02/10/15 - 02/13/15) (continued)

Resulted: 02/13/15 0835, Result Status: Edited Result -
FINAL

IMMUNOHISTOCHEMISTRY [561501989] (continued)

San Jose, CA 95123

Lab Directors: Xu Li, PhD, Lauren Jenkins, PhD

MITCHELL MITSURU ADACHI M.D. *** Report Electronically Signed by
MMA ***

Studies

IMMUNOHISTOCHEMISTRY (SROS15-2109-A1):

CD20 - positive
PAX5 - positive
CD3 - negative, positive internal control
CD5 - negative, positive internal control
Bcl1 - negative, positive internal control
Bcl2 - positive
CD10 - negative, positive on-slide control
TdT - negative, positive on-slide control
CD30 - negative, positive on-slide control
Pan-Cytokeratin (AE1/AE3/CAM5.2) - negative, positive on-slide
control
S100 - negative, positive internal control
Ki67 - positive, 80% of large cells
Bcl-6 -positive
MUM-1 -positive
IN SITU HYBRIDIZATION
Kappa - positive
Lambda - negative, positive internal control
EBV (EBER) - negative, positive on-slide control

[DISCLAIMER: This immunoperoxidase stain/panel was developed and its performance characteristics determined by the Kaiser Regional Immunohistochemistry Laboratory/The Permanente Medical Group, Inc., Northern California. It has not been cleared or approved by the U.S. Food and Drug Administration (FDA). The FDA has determined that such clearance or approval is not necessary. This test is used for clinical purposes. It should not be regarded as investigational or for research. This laboratory is certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA-88) as qualified to perform high complexity clinical laboratory testing. Positive and negative control studies were evaluated and stained appropriately.]

Clinical History

66 year old male with right cervical lymphadenopathy.

Specimen(s) Received

A: I-1 FULL CONSULT - LN RT NECK BX (SROS15-2109-A1)

Patient Name: HARDEMAN, EDWIN

Med. Rec #: 00588359 DOB/Age: 7/20/1948 (Age: 66) Sex: M

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HARDEMAN_EDWIN_KAISERPERMANENTE_00101



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IMMUNOHISTOCHEMISTRY [561501989] (continued)

Facility: Santa Rosa Med Ctr
 Location: HEAD AND NECK SURGERY

San Francisco Pathology
 350 Saint Joseph's Ave
 San Francisco, CA 94115
 Tel: 415-833-6477 Fax: 415-833-3286
 Zuoqin Tang, M.D., Laboratory Director

Reviewed by

Camarillo, Tiffany Alyece (M.D.) on 03/06/15 1151
 Ye, Jeffrey Zheng-Sheng (M.D.) on 03/03/15 0940
 Turley, Richard (M.D.) on 03/02/15 1124

Testing Performed By

Lab - Abbreviation	Name	Director	Address	Valid Date Range
457 - Unknown	KFH SAN FRANCISCO LABORATORY	J. Fang, M.D.	2425 Geary Blvd. SAN FRANCISCO CA 94115	03/01/13 1056 - Present
458 - Unknown	KFH SANTA ROSA LABORATORY	J.F. Kunkel, M.D.	401 Bicentennial Way SANTA ROSA CA 95403	06/14/11 0935 - Present
501 - Unknown	NCAL PATH INTERFACE	Unknown	Unknown	06/23/05 0812 - Present

PATIENT INSTRUCTIONS

All Meds and Administrations

(There are no med orders for this encounter)

Electronically signed by:

Signer	Title	Date	Time
RICHARD TURLEY	MEDICAL DOCTOR	Feb 6, 2015	09:09:06