

500 Chipeta Way, Salt Lake City, Utah 84108
 phone: (801) 583-2787 toll free: (800) 522-2787
 fax: (801) 583-2712 web: www.aruplab.com
 Jerry W. Hussong, M.D.,
 Chief Medical Officer and Director of
 Laboratories

YAVELOW, LAURA JEAN

(003191)577779
 Female 13 Sep 1950
 Primary Clinician: LARSON, JEANETTE
 ARUP Requisition Num: 577779
 Accession #: 41731959

Inquiry Report

Mission St. Joseph Lab
 509 Biltmore Ave
 Asheville, NC 28801

Printed on: 10 Jul 2014 12:19 PM

REFERENCE

ORDERED TEST	RESULT	RESULT FLAG	INTERVAL	VERIFIED DATE

Accession #: 14174508701				
Collected on: 22 Jun 2014 01:23 PM				

14-3-3 Protein Tau/Theta with Reflex to RT-QuIC Analysis, CSF

14-3-3 Protein Tau/Theta, CSF @ See Note

7/9/14 5:38 PM

We have been performing a Cerebral Spinal Fluid (CSF) test for Creutzfeldt-Jakob disease (CJD) and other prion diseases based on an ELISA immunoassay for the tau protein. The tau test is performed along with the 14-3-3 protein test, which has been used as our primary screening test for several years. Recently, we have added RT-QuIC to test for the prion protein. Due to its high specificity, RT-QuIC results are now reported along with the tau and 14-3-3 protein results.

With reference to the patient Laura Yavelow (your #14-174-508701; our # 02014-1593; DOB 9/13/1950), we found that the patient has a positive tau amount of 4590 pg/ml in CSF (decision point: 500 pg/ml), a positive 14-3-3 protein and a positive RT-QuIC test. Ultimately, in the context of dementia, this finding is consistent with prion disease, probably CJD. The positive predictive value for prion disease with these combined tests is currently 99.2% based on CSF analyses of 293 autopsy-verified cases. However, this patient belongs to a predominantly non-autopsy-verified testing population which may yield a different positive predictive value.

Since the RT-QuIC test was positive and therefore the diagnosis of CJD probable, you will be contacted about this patient in approximately 10 days to follow up. We hope that you or a member of your staff will be available to provide the information. We would also like to make you aware of our free-of-charge autopsy coordination program. Information about the program is available by contacting the laboratory.

These tests were developed and their performance characteristics determined by the NPDPC. These tests have not been cleared or approved by the FDA. These assays should be used in conjunction with other clinical, pathological, and laboratory findings.

Jianxin Xiao B.S.
 Wenquan Zou, Ph.D.
 Aaron P. Poutz, M.S.
 Clive R. Hamlin, Ph.D.
 Performed at: NPDPC
 2085 Adelbert Road, Room 418, Cleveland, Ohio 44106-4907

Location: MM A415

Received on: 24 Jun 2014 12:59 PM

@: 14-3-3 Protein Tau/Theta, CSF Performed at: NPDPC, 2085 Adelbert Road, Room 418, Cleveland, Ohio 44106-4907

The information provided in this report represents the current status of this order. Any addendums will be delivered via your primary reporting process.