MAYO CLINIC
Mayo Medical Laboratories

Laboratory Service Report 1-800-533-1710

Patient Name	Patient ID	Age	Gender	Order #
TEST,IMPLEMENTATION TESTING	321	57	F	R1057900
Ordering Phys TESTING				**DOB** 05/23/1956
Client Order # R1057900	**Account Information**			**Report Notes**
Collected 07/31/2013 06:00	C7028846-DLMP Rochester 3050 Superior Drive Rochester, MN 55901			
Printed 08/26/2013 15:59				

Test	Flag	Results	Unit	Reference Value	Perform Site*
AP Special Studies Review					
RECEIVED: 07/31/2013 09:37 **REPORTED:** 08/08/2013 13:29					
Accession Number		HR13-301			MCR
Specimen:					MCR
A:AP Slide Review					
Material:					MCR
2 Blocks, 6 Slides					
SLIDE DISPOSITION:					
Final Diagnosis:					MCR
Molecular Anatomic Pathology Report:					
Reason for referral: Granulosa Cell Tumor					
Specimen source: Ovary					
Result:					
Positive for FOXL2 exon 1 c.402C>G (p.Cys134Trp) mutation by PCR and pyrosequencing. All controls worked appropriately.					
Interpretation:					
The result is consistent with the diagnosis of adult-type granulosa cell tumor. Mayo Clinic validation studies showed the clinical sensitivity is 87% for classic adult-type granulosa cell tumors, but showed a lower detection rate in other granulosa cell tumor morphologies (diffuse-type, luteinized). Of note, rare fibrothecomas and juvenile-type granulosa cell tumors have been reported to have the c.402C>G mutation.					
False-negative results may occur in specimens when tumor cells comprise <40% of the cell population. Tumor cells are routinely enriched by macrodissection to avoid false-negative results.					
Clinical diagnosis and/or therapy should not be based solely on this assay. The results should be considered in conjunction with clinical information, histologic evaluation, and/or additional diagnostic tests.					
Method:					
Mutation analyses were performed using polymerase chain reaction (PCR) and pyrosequencing for the FOXL2 exon 1 c.402C>G (p.Cys134Trp) mutation on DNA extracted from paraffin-embedded tissue.					
Laboratory Developed Test					
Signing Pathologist:		See Below			MCR
Result:8/8/2013 13:28 Interpreted by: Pathologist X. Test, M.D.					
Report electronically signed by Melissa L. Skjeveland					
Transcribed by: mls 8/8/2013 13:28:41					
Beta-Catenin, Mutation Analysis		Performed			MCR
RECEIVED: 07/31/2013 09:37 **REPORTED:** 08/08/2013 13:29					
Slide Review		Performed			MCR

Performing Site Legend on Last Page of Report

* Report times for Mayo performed tests are CST/CDT

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* Performing Site:

MCR	Mayo Clinic Laboratories - Rochester Main Campus 200 First St SW Rochester, MN 55905	Lab Director:

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