

To: Elizabeth Holmes[eholmes@theranos.com]; Daniel Young[dyoung@theranos.com]; Paul Patel[ppatel@theranos.com]
From: Sunny Balwani
Sent: Fri 2/21/2014 10:43:04 PM
Importance: Normal
Subject: FW: Emailing: PA01458_PA01420
Received: Fri 2/21/2014 10:43:06 PM
[Feb17-20lipid_log.xlsx](#)

Does this point to assay change in siemens assay ? we still need to run this on other Advias and see if this is a device issue which could be very much possible...

From: Nicholas Haase
Sent: Friday, February 21, 2014 1:14 PM
To: Adam Rosendorff; Sunny Balwani; Daniel Young
Subject: RE Emailing: PA01458_PA01420

Attached are lipid panel results from patients run between February 17 and now (this date range is the easiest for me to access). Any HDL values below 35 mg/dL are in red. HDL is definitely the only one trending low; in a number of patients with low HDL their other lipid levels are trending high.

For an investigation update, Sam G. and I looked at the kinetic data on Advia 3 (the absorbance is recorded every time the cuvette passes by the light source). We could not see any signal issues for calibrators, patient samples, or multiquals, even for the predicate method. Two lots of reagents have been used, with low HDL levels coming from both lots. We also checked the calibrator and QC values in the Advia, all information is accurate. I spoke with the consumables team, and there have not been any new lots of pCTNs, Lihep, or gel used. The dilution protocol on the Tecan also has not changed.

We've now got the samples from this morning's internal draw and will be diluting those.

Nick H.

From: Adam Rosendorff
Sent: Friday, February 21, 2014 12:08 PM
To: Sunny Balwani; Daniel Young; Nicholas Haase
Subject: RE Emailing: PA01458_PA01420

I'll talk to her- the patient data in the lab report is correctly reported- only her email has incorrect information.

From: Sunny Balwani
Sent: Friday, February 21, 2014 12:07 PM
To: Adam Rosendorff; Daniel Young; Nicholas Haase
Subject: RE Emailing: PA01458_PA01420

Lets check to see how Malissa made this mistake and see if we can simplify the process so it doesn't happen. Thanks.

From: Adam Rosendorff
Sent: Friday, February 21, 2014 12:02 PM
To: Daniel Young; Nicholas Haase; Sunny Balwani
Subject: RE Emailing: PA01458_PA01420

0000000000001458 = [REDACTED] Visit Date 2/17/2014, WAG Palo Alto

0000000000001420 = [REDACTED] Visit Date 2/17/2014, WAG Palo Alto

Yes- I was misinformed- turns out they are separate patients- this is reassuring...

Adam

From: Daniel Young
Sent: Friday, February 21, 2014 11:48 AM
To: Nicholas Haase; Sunny Balwani; Adam Rosendorff
Subject: RE: Emailing: PA01458_PA01420

Thanks. I just told Adam that I suspected that these were not the same samples. That makes sense.

-Daniel

From: Nicholas Haase
Sent: 2/ 21/ 2014 11:44 AM
To: Sunny Balwani; Adam Rosendorff
Cc: Daniel Young
Subject: RE: Emailing: PA01458_PA01420

Adam,

For patient 01458, with an HDL of 34.8 mg/dL, the sample was not re-run - Patient 01420 is a different patient. I looked at the sample shipping spreadsheet and saw entries for both. PA01420 got a lipid panel and ALT tested, while PA01458 had CMP and Lipid panel ordered.

With all re-runs I can see in the Advia log, the re-run is consistent with the original result.

Nick

-----Original Message-----

From: Sunny Balwani
Sent: Friday, February 21, 2014 11:40 AM
To: Adam Rosendorff; Nicholas Haase
Cc: Daniel Young
Subject: RE: Emailing: PA01458_PA01420

There are both for HDL?

-----Original Message-----

From: Adam Rosendorff
Sent: Friday, February 21, 2014 11:34 AM
To: Nicholas Haase
Cc: Daniel Young; Sunny Balwani
Subject: Emailing: PA01458_PA01420

Nick

This patient is of concern to me:

Your message is ready to be sent with the following file or link attachments:

PA01458_PA01420

34.8 mg/dL retested to 70.7 mg/dL (2/17/2014 12:16:59)

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check

your e-mail security settings to determine how attachments are handled.

File Produced in Native Format