

| Patient Information   | Specimen Information   | Client Information  |
|---|--|---|
| <b>EPSTEIN, JEFFREY</b><br><br><b>DOB: 01/20/1953    AGE: 63</b><br>Gender: M<br>Phone: 561.366.0084<br>Patient ID: 19530120MJE | Specimen: KP992895A<br>Requisition: 0842795<br><br>Collected: 11/11/2016 / 11:20 EST<br>Received: 11/14/2016 / 16:33 EST<br>Reported: 11/15/2016 / 15:04 EST | Client #: 78300020    MAIL992<br>MOSKOWITZ, BRUCE W<br>BRUCE MOSKOWITZ, BRUCE MD<br>Attn: APAL NATIONWIDE ACT<br>1411 N FLAGLER DR STE 7100<br>WEST PALM BEACH, FL 33401-3418 |

### SUMMARY OF REPORT CHANGES

Please refer to the body of the report(s) for complete information

| Test Name                                   | In Range | Out Of Range | Reference Range |
|---|----------|--------------|-----------------|
| => <b>REVISED: Change in test result(s)</b> |          |              |                 |
| PTH, INTACT AND CALCIUM                     |          |              |                 |
| CALCIUM                                     | 10.0     |              | 8.6-10.3 mg/dL  |
| C-REACTIVE PROTEIN                          | 0.10     |              | <0.80 mg/dL     |

**PLEASE DISREGARD PREVIOUSLY REPORTED INFORMATION BELOW:  
 ORIGINALLY REPORTED ON 11/14/2016 at 5:15 PM EST**

CALCIUM 8.6-10.3 mg/dL

PERFORMING LABORATORY INFORMATION  
 QUEST DIAGNOSTICS  
 ONE MALCOLM AVENUE  
 TETERBORO, NJ. 07608  
 LABORATORY DIRECTOR:  
 LAWRENCE TSAO, M.D.  
 CLIA NO: 31D0696246

**ORIGINALLY REPORTED ON 11/14/2016 at 5:03 PM EST**

C-REACTIVE PROTEIN <0.80 mg/dL

Please be advised that patients taking Carboxypenicillins may exhibit falsely decreased C-Reactive Protein levels due to an analytical interference in this assay.

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 QUEST DIAGNOSTICS  
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| Test Name                          | In Range                          | Out Of Range  | Reference Range  | Lab |
|------------------------------------|-----------------------------------|---------------|--|-----|
| COMPREHENSIVE METABOLIC PANEL      |                                   |               |  | QHO |
| GLUCOSE                            | 83                                |               | 65-99 mg/dL  |     |
|                                    |                                   |               | Fasting reference interval   |     |
| UREA NITROGEN (BUN)                | 24                                |               | 7-25 mg/dL   |     |
| CREATININE                         | 0.90                              |               | 0.70-1.25 mg/dL  |     |
|                                    |                                   |               | For patients >49 years of age, the reference limit for Creatinine is approximately 13% higher for people identified as African-American. |     |
| eGFR NON-AFR. AMERICAN             | 91                                |               | > OR = 60 mL/min/1.73m2  |     |
| eGFR AFRICAN AMERICAN              | 105                               |               | > OR = 60 mL/min/1.73m2  |     |
| BUN/CREATININE RATIO               | NOT APPLICABLE                    |               | 6-22 (calc)  |     |
| SODIUM                             | 139                               |               | 135-146 mmol/L   |     |
| POTASSIUM                          | 4.4                               |               | 3.5-5.3 mmol/L   |     |
| CHLORIDE                           | 102                               |               | 98-110 mmol/L  |     |
| CARBON DIOXIDE                     | 29                                |               | 20-31 mmol/L   |     |
| CALCIUM                            | 10.0                              |               | 8.6-10.3 mg/dL   |     |
| PROTEIN, TOTAL                     | 7.3                               |               | 6.1-8.1 g/dL   |     |
| ALBUMIN                            | 4.4                               |               | 3.6-5.1 g/dL   |     |
| GLOBULIN                           | 2.9                               |               | 1.9-3.7 g/dL (calc)  |     |
| ALBUMIN/GLOBULIN RATIO             | 1.5                               |               | 1.0-2.5 (calc)   |     |
| BILIRUBIN, TOTAL                   | 0.5                               |               | 0.2-1.2 mg/dL  |     |
| ALKALINE PHOSPHATASE               | 68                                |               | 40-115 U/L   |     |
| AST                                | 20                                |               | 10-35 U/L  |     |
| ALT                                | 20                                |               | 9-46 U/L   |     |
| PTH, INTACT AND CALCIUM            |                                   |               |  | QHO |
| PTH, INTACT                        |                                   |               |  |     |
| <b>PARATHYROID HORMONE, INTACT</b> |                                   | <b>106 H</b>  | 14-64 pg/mL  |     |
| Interpretive Guide                 | Intact PTH                        | Calcium       |  |     |
| -----                              | -----                             | -----         |  |     |
| Normal Parathyroid                 | Normal                            | Normal        |  |     |
| Hypoparathyroidism                 | Low or Low Normal                 | Low           |  |     |
| Hyperparathyroidism                |                                   |               |  |     |
| Primary                            | Normal or High                    | High          |  |     |
| Secondary                          | High                              | Normal or Low |  |     |
| Tertiary                           | High                              | High          |  |     |
| Non-Parathyroid                    |                                   |               |  |     |
| Hypercalcemia                      | Low or Low Normal                 | High          |  |     |
| => CALCIUM                         | 10.0                              |               | 8.6-10.3 mg/dL   | QHO |
|                                    | PERFORMING LABORATORY INFORMATION |               |  |     |
|                                    | QUEST DIAGNOSTICS                 |               |  |     |
|                                    | ONE MALCOLM AVENUE                |               |  |     |
|                                    | TETERBORO, NJ. 07608              |               |  |     |
|                                    | LABORATORY DIRECTOR:              |               |  |     |
|                                    | LAWRENCE TSAO, M.D.               |               |  |     |
|                                    | CLIA NO:31D0696246                |               |  |     |
| SED RATE BY MODIFIED               |                                   |               |  | QHO |

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| Test Name  | In Range | Out Of Range | Reference Range  | Lab |
|--|----------|--------------|------------------|-----|
| WESTERGREN   | 1        |              | < OR = 20 mm/h   |     |
| VITAMIN B12  | 517      |              | 200-1100 pg/mL   | QHO |
| =>C-REACTIVE PROTEIN   | 0.10     |              | <0.80 mg/dL      | QHO |
| Please be advised that patients taking Carboxypenicillins may exhibit falsely decreased C-Reactive Protein levels due to an analytical interference in this assay. |          |              |                  |     |
| PSA, TOTAL   | 0.5      |              | < OR = 4.0 ng/mL | QHO |

This test was performed using the Siemens chemiluminescent method. Values obtained from different assay methods cannot be used interchangeably. PSA levels, regardless of value, should not be interpreted as absolute evidence of the presence or absence of disease.

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**Endocrinology**

| Test Name                | Result | Reference Range | Lab |
|--------------------------|--------|-----------------|-----|
| VITAMIN D,25-OH,TOTAL,IA | 43     | 30-100 ng/mL    | QHO |

Vitamin D Status                      25-OH Vitamin D:

Deficiency:                                      <20 ng/mL  
 Insufficiency:                                    20 - 29 ng/mL  
 Optimal:    > or = 30 ng/mL

For 25-OH Vitamin D testing on patients on D2-supplementation and patients for whom quantitation of D2 and D3 fractions is required, the QuestAssureD(TM) 25-OH VIT D, (D2,D3), LC/MS/MS is recommended: order code 92888 (patients >2yrs).

For more information on this test, go to:  
<http://education.questdiagnostics.com/faq/FAQ163>  
 (This link is being provided for informational/educational purposes only.)

Physician Comments:

**PENDING TESTS:**

TESTOSTERONE,FR(DIALYSIS) AND TOTAL(LC/MS/MS)

**PERFORMING SITE:**

QHO QUEST DIAGNOSTICS HORSHAM, 900 BUSINESS CENTER DRIVE, HORSHAM, PA 19044-3432 Laboratory Director: ANDREW S EDELMAN, MD PHD, CLIA: 39D0204404