

**Patient Report**

Specimen ID: 149-059-0406-0  
Control ID: 41437735440

Acct #: 10452975

Phone: (706) 256-2525

Rte: CO

**SMITH, LISA**  
1802 29TH ST  
VALLEY AL 36854  
(706) 585-0398

East Alabama Endocrinology PC  
1400 Bradley Lake Blvd #7  
COLUMBUS GA 31904

**Patient Details**

DOB: 09/29/1967  
Age(y/m/d): 052/07/29  
Gender: F  
Patient ID:

**Specimen Details**

Date collected: 05/28/2020 0830 Local  
Date received: 05/28/2020  
Date entered: 05/28/2020  
Date reported: 05/29/2020 0507 ET

**Physician Details**

Ordering: B BALIGA  
Referring:  
ID:  
NPI: 1992847669

**General Comments & Additional Information**

**Total Volume:** Not Provided

**Fasting:** Yes

**Ordered Items**

CBC With Differential/Platelet; Comp. Metabolic Panel (14); Lipid Panel With LDL/HDL Ratio; FSH and LH; Hemoglobin A1c; Thyroxine (T4) Free, Direct, S; TSH; Estradiol; Vitamin D, 25-Hydroxy; Triiodothyronine (T3); Vitamin B12; Magnesium; Baliga Family Practice, PC

| TESTS                                 | RESULT | FLAG | UNITS    | REFERENCE INTERVAL | LAB |
|---------------------------------------|--------|------|----------|--------------------|-----|
| <b>CBC With Differential/Platelet</b> |        |      |          |                    |     |
| WBC                                   | 8.7    |      | x10E3/uL | 3.4-10.8           | 01  |
| RBC                                   | 4.23   |      | x10E6/uL | 3.77-5.28          | 01  |
| Hemoglobin                            | 13.5   |      | g/dL     | 11.1-15.9          | 01  |
| Hematocrit                            | 40.8   |      | %        | 34.0-46.6          | 01  |
| MCV                                   | 97     |      | fL       | 79-97              | 01  |
| MCH                                   | 31.9   |      | pg       | 26.6-33.0          | 01  |
| MCHC                                  | 33.1   |      | g/dL     | 31.5-35.7          | 01  |
| RDW                                   | 13.3   |      | %        | 11.7-15.4          | 01  |
| Platelets                             | 237    |      | x10E3/uL | 150-450            | 01  |
| Neutrophils                           | 65     |      | %        | Not Estab.         | 01  |
| Lymphs                                | 23     |      | %        | Not Estab.         | 01  |
| Monocytes                             | 7      |      | %        | Not Estab.         | 01  |
| Eos                                   | 3      |      | %        | Not Estab.         | 01  |
| Basos                                 | 1      |      | %        | Not Estab.         | 01  |
| Neutrophils (Absolute)                | 5.8    |      | x10E3/uL | 1.4-7.0            | 01  |
| Lymphs (Absolute)                     | 2.0    |      | x10E3/uL | 0.7-3.1            | 01  |
| Monocytes (Absolute)                  | 0.6    |      | x10E3/uL | 0.1-0.9            | 01  |
| Eos (Absolute)                        | 0.3    |      | x10E3/uL | 0.0-0.4            | 01  |
| Baso (Absolute)                       | 0.1    |      | x10E3/uL | 0.0-0.2            | 01  |
| Immature Granulocytes                 | 1      |      | %        | Not Estab.         | 01  |
| Immature Grans (Abs)                  | 0.0    |      | x10E3/uL | 0.0-0.1            | 01  |

**Comp. Metabolic Panel (14)**

|                      |      |             |           |    |
|----------------------|------|-------------|-----------|----|
| Glucose              | 99   | mg/dL       | 65-99     | 01 |
| BUN                  | 9    | mg/dL       | 6-24      | 01 |
| Creatinine           | 0.85 | mg/dL       | 0.57-1.00 | 01 |
| eGFR If NonAfricn Am | 79   | mL/min/1.73 | >59       |    |
| eGFR If Africn Am    | 91   | mL/min/1.73 | >59       |    |
| BUN/Creatinine Ratio | 11   |             | 9-23      |    |

Date Issued: 05/29/20 0753 ET

**FINAL REPORT**

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| TESTS                 | RESULT | FLAG | UNITS  | REFERENCE INTERVAL | LAB |
|-----------------------|--------|------|--------|--------------------|-----|
| Sodium                | 140    |      | mmol/L | 134-144            | 01  |
| Potassium             | 3.7    |      | mmol/L | 3.5-5.2            | 01  |
| Chloride              | 105    |      | mmol/L | 96-106             | 01  |
| Carbon Dioxide, Total | 23     |      | mmol/L | 20-29              | 01  |
| Calcium               | 9.0    |      | mg/dL  | 8.7-10.2           | 01  |
| Protein, Total        | 6.6    |      | g/dL   | 6.0-8.5            | 01  |
| Albumin               | 4.1    |      | g/dL   | 3.8-4.9            | 01  |
| Globulin, Total       | 2.5    |      | g/dL   | 1.5-4.5            |     |
| A/G Ratio             | 1.6    |      |        | 1.2-2.2            |     |
| Bilirubin, Total      | 0.4    |      | mg/dL  | 0.0-1.2            | 01  |
| Alkaline Phosphatase  | 52     |      | IU/L   | 39-117             | 01  |
| AST (SGOT)            | 20     |      | IU/L   | 0-40               | 01  |
| ALT (SGPT)            | 21     |      | IU/L   | 0-32               | 01  |

#### Lipid Panel With LDL/HDL Ratio

|                      |     |  |       |         |    |
|----------------------|-----|--|-------|---------|----|
| Cholesterol, Total   | 119 |  | mg/dL | 100-199 | 01 |
| Triglycerides        | 66  |  | mg/dL | 0-149   | 01 |
| HDL Cholesterol      | 57  |  | mg/dL | >39     | 01 |
| VLDL Cholesterol Cal | 13  |  | mg/dL | 5-40    |    |
| LDL Cholesterol Calc | 49  |  | mg/dL | 0-99    |    |
| LDL/HDL Ratio        | 0.9 |  | ratio | 0.0-3.2 |    |
| Please Note:         |     |  |       |         | 01 |

#### LDL/HDL Ratio

|              | Men | Women |
|--------------|-----|-------|
| 1/2 Avg.Risk | 1.0 | 1.5   |
| Avg.Risk     | 3.6 | 3.2   |
| 2X Avg.Risk  | 6.2 | 5.0   |
| 3X Avg.Risk  | 8.0 | 6.1   |

#### FSH and LH

|               |     |  |                  |              |    |
|---------------|-----|--|------------------|--------------|----|
| LH            | 1.2 |  | mIU/mL           |              | 01 |
| Adult Female: |     |  |                  |              |    |
|               |     |  | Follicular phase | 2.4 - 12.6   |    |
|               |     |  | Ovulation phase  | 14.0 - 95.6  |    |
|               |     |  | Luteal phase     | 1.0 - 11.4   |    |
|               |     |  | Postmenopausal   | 7.7 - 58.5   |    |
| FSH           | 2.1 |  | mIU/mL           |              | 01 |
| Adult Female: |     |  |                  |              |    |
|               |     |  | Follicular phase | 3.5 - 12.5   |    |
|               |     |  | Ovulation phase  | 4.7 - 21.5   |    |
|               |     |  | Luteal phase     | 1.7 - 7.7    |    |
|               |     |  | Postmenopausal   | 25.8 - 134.8 |    |

#### Hemoglobin A1c

|                        |     |      |   |         |    |
|------------------------|-----|------|---|---------|----|
| Hemoglobin A1c         | 6.0 | High | % | 4.8-5.6 | 01 |
| Please Note:           |     |      |   |         | 01 |
| Prediabetes: 5.7 - 6.4 |     |      |   |         |    |

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|-------|--------|------|-------|--------------------|-----|
|-------|--------|------|-------|--------------------|-----|

Diabetes: >6.4

Glycemic control for adults with diabetes: <7.0

**Thyroxine (T4) Free, Direct, S**

|                   |      |  |       |           |    |
|-------------------|------|--|-------|-----------|----|
| T4, Free (Direct) | 1.16 |  | ng/dL | 0.82-1.77 | 01 |
|-------------------|------|--|-------|-----------|----|

|     |       |  |        |             |    |
|-----|-------|--|--------|-------------|----|
| TSH | 2.110 |  | uIU/mL | 0.450-4.500 | 01 |
|-----|-------|--|--------|-------------|----|

|           |     |  |       |  |    |
|-----------|-----|--|-------|--|----|
| Estradiol | 6.2 |  | pg/mL |  | 01 |
|-----------|-----|--|-------|--|----|

Adult Female:

Follicular phase 12.5 - 166.0

Ovulation phase 85.8 - 498.0

Luteal phase 43.8 - 211.0

Postmenopausal <6.0 - 54.7

Pregnancy

1st trimester 215.0 - >4300.0

Girls (1-10 years) 6.0 - 27.0

Roche ECLIA methodology

|                       |      |  |       |            |    |
|-----------------------|------|--|-------|------------|----|
| Vitamin D, 25-Hydroxy | 33.9 |  | ng/mL | 30.0-100.0 | 01 |
|-----------------------|------|--|-------|------------|----|

Vitamin D deficiency has been defined by the Institute of Medicine and an Endocrine Society practice guideline as a level of serum 25-OH vitamin D less than 20 ng/mL (1,2). The Endocrine Society went on to further define vitamin D insufficiency as a level between 21 and 29 ng/mL (2).

1. IOM (Institute of Medicine). 2010. Dietary reference intakes for calcium and D. Washington DC: The National Academies Press.
2. Hollick MF, Binkley NC, Bischoff-Ferrari HA, et al. Evaluation, treatment, and prevention of vitamin D deficiency: an Endocrine Society clinical practice guideline. JCEM. 2011 Jul; 96(7):1911-30.

|                       |     |  |       |        |    |
|-----------------------|-----|--|-------|--------|----|
| Triiodothyronine (T3) | 150 |  | ng/dL | 71-180 | 01 |
|-----------------------|-----|--|-------|--------|----|

|             |     |  |       |          |    |
|-------------|-----|--|-------|----------|----|
| Vitamin B12 | 364 |  | pg/mL | 232-1245 | 01 |
|-------------|-----|--|-------|----------|----|

|           |     |  |       |         |    |
|-----------|-----|--|-------|---------|----|
| Magnesium | 2.1 |  | mg/dL | 1.6-2.3 | 01 |
|-----------|-----|--|-------|---------|----|

|       |                                                                          |
|-------|--------------------------------------------------------------------------|
| 01 MB | LabCorp Birmingham<br>1801 First Avenue South, Birmingham, AL 35233-1935 |
|-------|--------------------------------------------------------------------------|

Dir: Brian Ragland, MD

For inquiries, the physician may contact Branch: 800-756-3612 Lab: 205-581-3500