

Report Status FINAL

Route 1002 Ordered by:

Arizona Sports and Spine Physicians

3033 W Bell Rd

Suite 101A

Phoenix, AZ 85053

**Sonora Quest
Laboratories™**

A Subsidiary of Laboratory Sciences of Arizona

John Charochak, DO**Patient Information:****CZANSTKE, CHRISTOPHER**

Account: 3219

ID/MR#:

Patient Lab ID: 0236538385

Collected: 05/17/2023 12:00 PM

Received: 05/17/2023 10:07 PM

Reported: 05/18/2023 10:05 PM

Order #: 3219-A07882 / NL88133240**DOB: 08/17/1974** Age: 48Y-9M-0D

Sex: M Fasting: Yes

Patient Phone: 619-888-6166

TEST RESULTS REFERENCE RANGES UNITS PL**HEMATOLOGY****CBC w/ Differential, w/ Platelet**

WBC	9.4	4.0 - 11.0	k/mm3
RBC	4.94	4.30 - 6.00	m/mm3
Hemoglobin	12.4 L	13.0 - 18.0	g/dL
Hematocrit	44.4	40.0 - 53.0	%
MCV	89.9	78.0 - 100.0	fL
MCH	25.1 L	27.0 - 34.0	pg
MCHC	27.9 L	31.0 - 37.0	g/dL
Platelet Count	366	130 - 450	k/mm3
RDW(sd)	52.6 H	38.0 - 49.0	fL
RDW(cv)	16.0 H	11.0 - 15.0	%
MPV	10.9	7.5 - 14.0	fL
Segmented Neutrophils	73.3*		%
Lymphocytes	17.9		%
Monocytes	6.7		%
Eosinophils	1.3		%
Basophils	0.5		%
Absolute Neutrophil	6.87	1.60 - 9.30	k/uL
Absolute Lymphocyte	1.68	0.60 - 5.50	k/uL
Absolute Monocyte	0.63	0.10 - 1.60	k/uL
Absolute Eosinophil	0.12	0.00 - 0.70	k/uL
Absolute Basophil	0.05	0.00 - 0.20	k/uL
Immature Granulocytes	0.3		%
Absolute Immature Granulocytes	0.03	0.00 - 0.10	k/uL
NRBC RE, Nucleated Red Blood Cell	0.0	0.0 - 1.0	%

Percent

*Segmented

Automated Diff

Neutrophils:

CHEMISTRY**TSH with Reflex Free T4**

TSH, High Sensitivity	2.23	0.27 - 4.20	mU/L
-----------------------	------	-------------	------

Iron and TIBC

Iron	20 L *	40 - 190	ug/dL
TIBC	480 H	250 - 400	ug/dL
% Saturation	4 L	15 - 45	%

*Iron:

The normal range is based on fasting specimens drawn before 10:00 AM. Iron levels have a diurnal fluctuation of up to 30%, peaking in the morning hours.

CZANSTKE, CHRISTOPHER Order #: 3219-A07882 / NL88133240 - FINAL Report

L=Low, H=High, C=Critical Abnormal, CL=Critical Low, CH=Critical High, *=Comment

Distribution #: 624021958-624021958



Parent Site SO Sonora Quest Laboratories Result Report Produced by 22 AutoComm On 05/18/2023 10:14 PM All Rights Reserved

Report Status FINAL

Route 1002 Ordered by:

Arizona Sports and Spine Physicians

3033 W Bell Rd

Suite 101A

Phoenix, AZ 85053

**Sonora Quest
Laboratories™**

A Subsidiary of Laboratory Sciences of Arizona

Patient Information:**CZANSTKE, CHRISTOPHER**

Account: 3219

ID/MR#:

Patient Lab ID: 0236538385

Collected: 05/17/2023 12:00 PM

Received: 05/17/2023 10:07 PM

Reported: 05/18/2023 10:05 PM

Order #: 3219-A07882 / NL88133240**DOB: 08/17/1974** Age: 48Y-9M-0D

Sex: M Fasting: Yes

Patient Phone: 619-888-6166

Prostate Specific Ag (PSA), Total 0.4 ≤3.9 ng/mL

The investigative cut-point for PSA is generally considered 4.0 ng/mL with a negative predictive value of 85%. Values between 4.0 and 10.0 ng/mL are considered borderline for additional evaluation, with a positive predictive value of ~25%.

PSA may be increased by a number of factors besides prostate cancer. These include age of patient, benign prostatic hyperplasia (BPH), prostatitis, sexual activity, and urinary retention among others. Obesity is associated with lower levels of PSA.

Due to the slow growth of most prostate cancers, the utility of screening is marginal for most men with life expectancy less than 10 years.

Expected Values for Anatomic Males

Age (y)	PSA (ng/mL)
50 - 59	< 4.0
60 - 69	< 5.5
> 70	< 6.3

Normal results do not eliminate the possibility of prostate cancer.

Results obtained using different methodologies cannot be used interchangeably. This test was performed using the Roche Elecsys total PSA method. The Roche Elecsys assay is a high-sensitivity method that has been FDA approved as an aid, in conjunction with digital rectal examination (DRE), to detect prostate cancer in anatomic males aged 50 years or older. It has been standardized against the Reference Standard/WHO 96/670.

Reference

Measurement of Prostate-Specific Antigen in Serum as a Screening Test for Prostate Cancer. N Engl J Med. 1991; 325:1324

Ferritin	12 L	25 - 506	ng/mL
Vitamin D, 25-Hydroxy, Total	45.9	≥20.0	ng/mL

Vitamin D, 25-OH, Total:

<10 ng/mL Severe Deficiency
 10 - 19 ng/mL Mild/Moderate Deficiency
 20 - 50 ng/mL Optimum
 51 - 150 ng/mL Increased Risk of Hypercalciuria
 >150 ng/mL Possible Toxicity

Reference intervals apply to males and females, all ages.

Clinical decision values based on 2011 report by the Institute of Medicine (US).

Lipid Panel

Cholesterol	218 H	≤199	mg/dL
Triglyceride	137	≤149	mg/dL
Cholesterol/HDL Ratio	7.3 H	≤4.9	
HDL Cholesterol	30 L	≥40	mg/dL
Non-HDL Cholesterol	188 H	≤129	mg/dL
LDL Cholesterol, Calculated	161 H *	≤99	mg/dL
VLDL Cholesterol	27	≤29	mg/dL

CZANSTKE, CHRISTOPHER Order #: 3219-A07882 / NL88133240 - FINAL Report

L=Low, H=High, C=Critical Abnormal, CL=Critical Low, CH=Critical High, *=Comment

Distribution #: 624021958-624021958



Parent Site SO Sonora Quest Laboratories Result Report Produced by 22 AutoComm On 05/18/2023 10:14 PM All Rights Reserved

Report Status FINAL

Route 1002 Ordered by:

Arizona Sports and Spine Physicians

3033 W Bell Rd

Suite 101A

Phoenix, AZ 85053

**Sonora Quest
Laboratories™**

A Subsidiary of Laboratory Sciences of Arizona

John Charochak, DO**Patient Information:****CZANSTKE, CHRISTOPHER**

Account: 3219

ID/MR#:

Patient Lab ID: 0236538385

Collected: 05/17/2023 12:00 PM

Received: 05/17/2023 10:07 PM

Reported: 05/18/2023 10:05 PM

Order #: 3219-A07882 / NL88133240**DOB: 08/17/1974** Age: 48Y-9M-0D

Sex: M Fasting: Yes

Patient Phone: 619-888-6166

*LDL Cholesterol,
Calculated:

LDL-C is calculated by using the Martin-Hopkins equation. (JAMA. 2013;310(19):2061-2068)

For moderately high risk and high risk cardiac patients, reference levels of <100 mg/dL and <70 mg/dL, respectively, should be considered. Circulation 2004; 110:227-239.

ChemPanel Basic (Chem 20)

Glucose	103 H *	70 - 99	mg/dL
Urea Nitrogen (BUN)	23 H	7 - 21	mg/dL
Creatinine	1.38 H *	0.68 - 1.37	mg/dL
eGFRcr CKD-EPI	63*	≥60	mL/min/1.73m2
BUN/Creatinine Ratio	16.7	10.0 - 28.0	
Uric Acid	4.4	3.7 - 7.7	mg/dL
Sodium	138	135 - 145	mmol/L
Potassium	4.6	3.6 - 5.3	mmol/L
Chloride	104	98 - 108	mmol/L
Carbon Dioxide (CO2)	26	20 - 31	mmol/L
Anion Gap	8	4 - 18	
Osmolality, Calculated	286	275 - 295	mOsm/kg
Protein, Total	6.6	6.3 - 8.0	g/dL
Albumin	4.2	3.8 - 5.1	g/dL
Globulin	2.4	1.7 - 3.3	g/dL
Albumin/Globulin Ratio	1.8	1.3 - 2.7	
Calcium	11.3 H	8.7 - 10.4	mg/dL
Phosphorus (Inorganic)	2.8	2.4 - 4.8	mg/dL
Alkaline Phosphatase	53	40 - 140	IU/L
GGT	23*	5 - 91	IU/L
Alanine Aminotransferase	40	5 - 60	IU/L
Aspartate Aminotransferase	29	12 - 47	IU/L
Lactate Dehydrogenase	164	112 - 245	IU/L
Bilirubin, Total	0.2	≤1.3	mg/dL

*Glucose: Glucose reference range reflects fasting state.

*Creatinine: New reference range effective 4/10/2023.

*eGFRcr CKD-EPI: eGFRcr calculated using the CKD-EPI 2021 equation

*GGT: New reference range effective 5/1/2023.

Tests Ordered: Lipid Panel; CBC w/ Differential, w/ Platelet; Prostate Specific Ag (PSA), Total; TSH with Reflex Free T4; Vitamin D, 25-Hydroxy, Total; ChemPanel Basic (Chem 20); Ferritin; Iron and TIBC**Values Outside of Reference Range**

TEST	RESULTS	REFERENCE RANGES	UNITS
Hemoglobin	12.4 L	13.0 - 18.0	g/dL

CZANSTKE, CHRISTOPHER Order #: 3219-A07882 / NL88133240 - FINAL Report

L=Low, H=High, C=Critical Abnormal, CL=Critical Low, CH=Critical High, *=Comment

Distribution #: 624021958-624021958



Parent Site SO Sonora Quest Laboratories Result Report Produced by 22 AutoComm On 05/18/2023 10:14 PM All Rights Reserved

Report Status FINAL

Route 1002 Ordered by:

Arizona Sports and Spine Physicians

3033 W Bell Rd

Suite 101A

Phoenix, AZ 85053

**Sonora Quest
Laboratories™**

A Subsidiary of Laboratory Sciences of Arizona

John Charochak, DO**Patient Information:****CZANSTKE, CHRISTOPHER**

Account: 3219

ID/MR#:

Patient Lab ID: 0236538385

Collected: 05/17/2023 12:00 PM

Received: 05/17/2023 10:07 PM

Reported: 05/18/2023 10:05 PM

Order #: 3219-A07882 / NL88133240**DOB: 08/17/1974** Age: 48Y-9M-0D

Sex: M Fasting: Yes

Patient Phone: 619-888-6166

MCH	25.1 L	27.0 - 34.0	pg
MCHC	27.9 L	31.0 - 37.0	g/dL
RDW(sd)	52.6 H	38.0 - 49.0	fL
RDW(cv)	16.0 H	11.0 - 15.0	%
Iron	20 L	40 - 190	ug/dL
Ferritin	12 L	25 - 506	ng/mL
Cholesterol	218 H	≤199	mg/dL
Cholesterol/HDL Ratio	7.3 H	≤4.9	
HDL Cholesterol	30 L	≥40	mg/dL
Non-HDL Cholesterol	188 H	≤129	mg/dL
LDL Cholesterol, Calculated	161 H	≤99	mg/dL
Glucose	103 H	70 - 99	mg/dL
Urea Nitrogen (BUN)	23 H	7 - 21	mg/dL
Creatinine	1.38 H	0.68 - 1.37	mg/dL
Calcium	11.3 H	8.7 - 10.4	mg/dL
TIBC	480 H	250 - 400	ug/dL
% Saturation	4 L	15 - 45	%

Values listed above may not include all results considered abnormal for this patient (e.g., text-only results, such as those for some pathology/cytology specimens, and results for analytes without established reference ranges will not appear). Always review the entire patient report and correlate all results with the patient's clinical condition.

Unless otherwise noted, testing performed by: Sonora Quest Laboratories, 424 S 56th St, Phoenix, AZ 85034 800.766.6721

End of Report**CZANSTKE, CHRISTOPHER Order #: 3219-A07882 / NL88133240 - FINAL Report**

L=Low, H=High, C=Critical Abnormal, CL=Critical Low, CH=Critical High, *=Comment

Distribution #: 624021958-624021958



Parent Site SO Sonora Quest Laboratories Result Report Produced by 22 AutoComm On 05/18/2023 10:14 PM All Rights Reserved