

Record High & Low Laboratory Values

LAC+USC Medical Center and Keck Hospital

Age	104 years old (Kim-Thuy Truong '13/Ken Lue '12) 24 weeks GA (Christopher Parrish '11)	Osmolal Gap	177 (Sonia Lin '16, Karin Wu '17)
Temperature	107.8°F (Joyce Limurti '13) 79.5°F (David Cao '11)	Calcium	26.6 mg/dL (Alexander Madonis '12) 3.3 mg/dL (Alyssa Lampe '19)
Pulse	12 bpm (Trushna Patel '13)	Magnesium	5.4 mg/dL (Haig Aharonian '14) 0.7 mg/dL (Allison Collen '11)
Blood pressure	280/120 mm Hg (R. Dhawan '12/M. Lam '13)	Phosphorous	28.3 mg/dL (Jordan Rees '19) 0.3 mg/dL (Alexander Madonis '12)
Weight	598 lbs./272 kg (Fernanda Delgado '20)	Alk phos	>6000 U/L (Shida Haghighat '20) 18 U/L (Sati Patel '19)
BMI	92.4 kg/m ² (Caroline Piatek/Rahul Dhawan '12) 10.1 kg/m ² (Bryan Chen '17)	Total Protein	18.2 g/dL (Andrew Young '11) 2.3 g/dL (Alexander Madonis '12)
pH	7.72 (Prabhat Mukerjee '12) 6.65 (Christopher Foss '19)	Albumin	5.4 2 g/dL (Alexander Madonis '12) 0.9 g/dL (Kyndal McKnight '19)
pCO₂	128 mm Hg (J. Cheng '20/J. Tran '20)	AST	16,900 U/L (Alexander Madonis '12) 9 U/L (Alexander Madonis '12, Jason Lucas '15)
Sodium	194 mEq/L (Chan, Yeh '20, Zhang '19) 89 mEq/L (Argin Baghrmian '21)	ALT	>7000U/L (Katherine Yang '21) 4 U/L (Nazish Ahmad '11, Jason Lucas '15)
Potassium	9.9 mEq/L (Matt Johnson '13) 1.5 mEq/L (Jen Mcleod '18, Patrick Chan '20)	Total bilirubin	>70.2 (Analiese DiConti-Gibbs '18) 0.1 (Zaree Babakhanian '11)
Chloride	140 mEq/L (Madonis '12, Prachi Nene '19) 51 mEq/L (Thomas E. Kelly '13)	Direct bilirubin	>50 mg/dL (Analiese DiConti-Gibbs '18)
Bicarbonate	>50 mEq/L, 63 on ABG (Pejman Zargar'19) 4 mEq/L (Nikhil Singh'18)	Indirect bilirubin	15.2 mg/dL (Alexander Madonis '12)
BUN	>280 mg/dL (George Holman '10) <2 mg/dL (Andrew Young '11)	WBC	1095 x 10 ³ /mm ³ (Andrew Lee '21) <0.5 x 10 ³ /mm ³ (Alexander Madonis '12)
Creatinine	34.29 mg/dL (M. Elist '12/N. Motamedi '14) 0.06 mg/dL (Peter Xu '18)	Hgb	22.7 g/dL (Ravi Patel '16, Brian Lee '16) 1.8 g/dL (George Holman '10)
Glucose	1650 mg/dL (Stephen Chen '11) 2 mg/dL (Jason Brotherton '13)	Hematocrit	68.5 % (Ravi Patel '16, Brian Lee '16)
Anion Gap	62 (Christopher Foss '19)	Platelets	2691 x 10 ³ /mm ³ (Jordan Reese '19) 0/mm ³ (Analiese DiConti-Gibbs '18)

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		AMC	32,000 (Alexander Madonis '12)
		AEC	33.1 (Behzad Yashar '12)
MCV	143 fL (Alexander Madonis '12) 48 fL (Kenneth Lue '12)	Abs Retic Count	769.46 x 10 ³ /mm ³ (Ken Stern '17)
RDW	40 % (Christopher Parrish '11)	Retic Count	23.88 % (Bryan Chen '17) 0 % (Alexander Madonis '12)
%Lymphocytes	82% (Arta Bakshandeh '11)	INR	>15.7 (Samuel Tomich '19)
%Monocytes	58% (Alexander Madonis '12)	PT	>120 (Samuel Tomich '19)
%Eosinophils	79 % (Behzad Yashar '12)	Fibrinogen	644 mg/dL (Alexander Madonis '12) 48 mg/dL (Haig Aharonian '14/Amanda Binns '13)
ANC	123 (Jon Cheng '20)	LDH	26,940 IU/L (Alexander Madonis '12)
ALC	82 (Arta Bakshandeh '11)	Ferritin	75,294 ng/mL (Victor Lin '10, Neal Tambe '21) <3 ng/mL (Kenneth Lue '12)
		Serum iron	240 µg/dL (Michael Mullaney '11) 5 µg/dL (Michael Mullaney '11)
		Iron saturation	100% (Alexander Madonis '12) 1% (Michael Mullaney '11)
		Homocysteine	79.2 µmol/L (Alan Naim '16)
		MMA	22,890 µg/dL/L (Alan Naim '16)
		Uric Acid	26.5 mg/dL (Kristina Gowin '12/Sonia Ali '13)
		BNP	>70,000 pg/mL (Stephen Chen '11)
		Tot Cholesterol	1430 mg/dL (Gilmer Youn '12) 39 mg/dL (Jaymica Patel '13)
		Triglyceride	6800 mg/dL (Shida Haghghat '20) 22 mg/dL (Alexander Madonis '12)
		HDL	147 mg/dL (Jon Cheng '20) 3 mg/dL (Alexander Madonis '12)
		LDL	559 mg/dL (Matt Soong '14)

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	1 mg/dL (Jaymica Patel '13)
HgA1c	>19.3% (Tim Vossler '16) 3.5% (Neha Mahajan '16)
TSH	520.3 µU/mL (Roshni Shah/Lawrence Wong '12) <0.01 µU/mL (Alexander Madonis '12)
Total T4	26.1 µg/dL (Alexander Madonis '12)
Free T4	>7.77 ng/dL (Alexander Madonis '12) <0.03 ng/dL (Alexander Madonis '12)
PTH	3,223 pg/mL (Wesley Ghasem '19) 2 pg/mL (Trevor Angell '12)
Vitamin D	105 ng/mL (Alexander Madonis '12) <5 ng/mL (Karen Tsai '20)
F testosterone	411 ng/dL (female pt) (Madonis '12) 3.4 ng/dL (male pt) Alexander Madonis '12)
T testosterone	34 ng/dL (male pt) (Alexander Madonis '12)
Prolactin	2914 ng/mL (Andrew Young '11)

PSA	5679 µg/L (Jaymica Patel '13)
AFP	2.1 >million ng/mL (Chris Ko '18, Jeremy Chang '20)
Serum Ethanol	581 mg/dL (Philip Sheth '20)
Amylase	1080 U/L (Alexander Madonis '12)
Lipase	>6300 U/L (Thara '11, DiConti-Gibbs '18)
Serum Osm	513 mOsm/kg (Sonia Lin '16, Karin Wu '17)
Lactic acid	43.4 mg/dL (Helen Yang '19)
Troponin	119 µg/L (Christiane Abouzeid '16, Meena Zareh '16)
CK	526,000 IU/L (Fernanda Delgao '20)

ESR	>140 mm/h (Alexander Madonis '12)
CRP	708.6 mg/L (Thiri Oo '12)
Procalcitonin	100 ng/mL (Cesar Gonzalez '21)
ANA	1:2560 (Alexander Madonis '12)
Anti-DS DNA	1:10240 (CJ Duffaut '11)
Complement C3	24 mg/dL (Jaymica Patel '13)
Complement C4	2.3 mg/dL (Jaymica Patel '13)
Rheum factor	13,433 IU/mL (Heywan Tesfaye, Helen Shen '20)
Globulin Gap	8.6 (Alexander Madonis '12)
Serum IgE	21,117 mg/dL (Alexander Madonis '12)
Serum IgG	8037 mg/dL (Alexander Madonis '12)
CA-125	686 U/mL (Michael Karp '02)
CA 19-9	18,302 U/mL (Cesar Gonzalez '21)

Urine Potassium	13.2 mEq/L (Alexander Madonis '12)
24 hour Urine Output	7.845 L (Henry Bergquist '20)
Urine Prot/Cr	19.38 (David Hermel '19)

CD4 count	1 cells/mm ³ (Jose Luis Hernandez '12) 2138 cells/mm ³ (Arta Bakshandeh '11)
Crypto AgS	1:2560 (Sam Tomich '19, Jeffrey Tran '20)
HBV DNA	>837,000,000 IU/mL (Helen Shen '20, Chris Ko '18)
HCV RNA	22,622,130 IU/mL (Brian Lee '16)
CSF WBC	3430 cells/µL (Alexander Madonis '12)

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CSF Protein 3300 mg/dL (Omeed Alipour '20)

Lumbar CSF Opening Pressure >55 cm (Christina Yen '18, Sati Patel '19)

Tetracycline: >=16 **Resistant**
Cefotaxime: >=64 **Resistant**
Tigecycline: >=8 **Resistant**
Colistin: 0.125 Susceptible

Ejection Fraction (TTE) 8% (Adam Kreitenberg '13)

Highest Pulmonary Artery Pressure:
145/65 (mean 92) mmHg (Christopher Parrish '11)

Largest Pulmonary Artery Aneurysm: 8 cm (Fernanda Delgado '20)

Most blood products received in one day:
91 units PRBC, 67 units FFP, & 46 units platelets (Erin Newman '12 – surgical patient but cardiology consulted for elevated troponin)

Most family members in a family meeting:
29 people (Pamelyn Close)

Most liters of Go-Lytely given to patient in preparation for Colonoscopy:
37 liters (Alexander Madonis '12)

Highest insulin infusion rate: 544 units/hr
Highest 24 hour insulin requirement: 9,655 units (Daniel DeMoss '16)

Most Resistant Organism: (Alexander Madonis '12)
Acenitobacter-calcoaceticus-baumannii complex

Ampicillin-Sulbactam: >=32 **Resistant**
Cefepime: >=64 **Resistant**
Ceftazidime: >=64 **Resistant**
Ceftriaxone: >=64 **Resistant**
Ciprofloxacin: >=4 **Resistant**
Gentamicin: >=16 **Resistant**
Imipenem: >=16 **Resistant**
Levofloxacin: >=8 **Resistant**
Piperacillin-Tazobactam: >=128 **Resistant**
Tobramycin: >=16 **Resistant**
TMP-SMZ: >=320 **Resistant**