

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)
Temperature	107.8°F (Joyce Limurti '13) 79.5°F (David Cao '11)
Pulse	12 bpm (Trushna Patel '13)
Blood pressure	280/120 mm Hg (R. Dhawan '12/M. Lam '13)
Weight	257kg (Matt Zabrowski '22, Jason Li '22, Ed Chau '20) 28.5 kg (Matt Zabrowski '22, Jason Li '22, Ed Chau '20)
BMI	92.4 kg/m ² (Caroline Piatek/Rahul Dhawan '12) 10.1 kg/m ² (Bryan Chen '17)
pH	6.79 (Adam Kreitenberg '13) 7.76 (ABG-Owen Huang '21, Henry Bergquist '20)
pCO2	>110 mm Hg (George Holman '10)
Sodium	>180 mEq/L (Jo Fleming '13) 94 mEq/L (George Holman '10)
Potassium	9.9 mEq/L (Matt Johnson '13) 1.9 mEq/L (Shanshan Liu '12)
Chloride	140 mEq/L (Alexander Madonis '12) 51 mEq/L (Thomas E. Kelly '13)
Bicarbonate	>50 mEq/L (Shanshan Liu '12) 4 mEq/L (Joyce Limurti '13)
BUN	>280 mg/dL (George Holman '10) <2 mg/dL (Andrew Young '11)
Creatinine	34.89 mg/dL (Stefan Nguyen '20) 0.19 mg/dL (Alexander Madonis '12)
Glucose	1650 mg/dL (Stephen Chen '11) 2 mg/dL (Jason Brotherton '13)

Anion Gap	56 (Andrew Young '11)
Osmolal Gap	177 (Sonia Lin '16, Karin Wu '17)
Calcium	26.6 mg/dL (Alexander Madonis '12) 4.1 mg/dL (Eddie Thara '11/Yin Zhang '13)
Magnesium	5.4 mg/dL (Haig Aharonian '14) 0.7 mg/dL (Allison Collen '11)
Phosphorous	18.7 mg/dL (Jiken Bhatt '17) 0.3 mg/dL (Alexander Madonis '12)
Alk phos	>4800 U/L (Jaymica Patel '13) 43 U/L (Kenneth Lue '12)
Total Protein	18.9 g/dL (Lydia Chow '21) 2.3 g/dL (Alexander Madonis '12)
Albumin	5.4 g/dL (Alexander Madonis '12) 1.2 g/dL (Alexander Madonis '12)
AST	16,900 U/L (Alexander Madonis '12) 9 U/L (Alexander Madonis '12, Jason Lucas '15)
ALT	5753 U/L (Eric Stone '17) 4 U/L (Nazish Ahmad '11, Jason Lucas '15)
Total bilirubin	54.6 (Anabel Hugh '15) 0.1 (Zaree Babakhanian '11)
Direct bilirubin	59.7 mg/dL (Alexander Klonoff '22)
Indirect bilirubin	15.2 mg/dL (Alexander Madonis '12)
WBC	761 x 10 ³ /mm ³ (Jennifer Sicalo '14) <0.5 x 10 ³ /mm ³ (Alexander Madonis '12)
Hgb	22.7 g/dL (Ravi Patel '16, Brian Lee '16) 1.8 g/dL (George Holman '10)
Hematocrit	68.5 % (Ravi Patel '16, Brian Lee '16)

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Platelets	2,691 x 10 ³ /mm ³ (Jordan Rees '19) 1x 10 ³ /mm ³ (Jose Luis Hernandez '12)	Serum iron	240 µg/dL (Michael Mullaney '11) 5 µg/dL (Michael Mullaney '11)
MCV	143 fL (Alexander Madonis '12) 48 fL (Kenneth Lue '12)	Iron saturation	100% (Alexander Madonis '12) 1% (Michael Mullaney '11)
RDW	40 % (Christopher Parrish '11)	Homocysteine	79.2 µmol/L (Alan Naim '16)
%Lymphocytes	82% (Arta Bakshandeh '11)	MMA	22,890 µg/dL/L (Alan Naim '16)
%Monocytes	58% (Alexander Madonis '12)	Uric Acid	26.5 mg/dL (Krisstina Gowin '12/Sonia Ali '13)
%Eosinophils	79 % (Behzad Yashar '12)	BNP	>70,000 pg/mL (Stephen Chen '11)
ANC	85 (Pradeep Doddamreddy '13)	Tot Cholesterol	1430 mg/dL (Gilmer Youn '12) 39 mg/dL (Jaymica Patel '13)
ALC	82 (Arta Bakshandeh '11)	Triglyceride	6,107 (Matt Zabrowski '22, Naina Lalani '20) 22 mg/dL (Alexander Madonis '12)
AMC	32,000 (Alexander Madonis '12)	HDL	121 mg/dL (Joyce Limurti '13) 3 mg/dL (Alexander Madonis '12)
AEC	33.1 (Behzad Yashar '12)	LDL	559 mg/dL (Matt Soong '14) 1 mg/dL (Jaymica Patel '13)
Abs Retic Count	769.46 x 10 ³ /mm ³ (Ken Stern '17)	HgA1c	>20.1% (Hussain Basrawala '20, Ed Cho '22) 3.9% (Bikram Padda '13)
Retic Count	23.88 % (Bryan Chen '17) 0 % (Alexander Madonis '12)	TSH	2,154 µU/mL (Christina Yen, '18) <0.01 µU/mL (Alexander Madonis '12)
INR	14 (Taib Rawi '10)	Total T4	26.1 µg/dL (Alexander Madonis '12)
PT	>100 (Stephen Chen '11)	Free T4	>7.77 ng/dL (Alexander Madonis '12) <0.03 ng/dL (Alexander Madonis '12)
Fibrinogen	644 mg/dL (Alexander Madonis '12) 48 mg/dL (Haig Aharonian '14/Amanda Binns '13)	PTH	2908 pg/mL (Karen Tsai '20, Michael Dittmar '22), 2 pg/mL (Trevor Angell '12)
LDH	26,940 IU/L (Alexander Madonis '12)	Vitamin D	105 ng/mL (Alexander Madonis '12)
Ferritin	>100,000 (Julian McLain '21) <2 (Samantha Quon '21, Jared Geibig '21, Sophia Ghaus '22)		

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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	2625 µg/L(Jaymica Patel '13)
AFP	1,622,000 ng/mL (Kurtis Kaminishi '14)
CA 19-9	563,000 (Victor Lin '20/Vivian Ning '20/ Ravi Patel '16)
Serum Ethanol	636 mg/dL (Matt Zabrowski '22, Sami Dwabe '22, Katharine Yang '21)
Amylase	1080 U/L(Alexander Madonis '12)
Lipase	>6300 U/L (Eddie Thara '11)
Serum Osm	513 mOsm/kg (Sonia Lin '16, Karin Wu '17)
Lactic acid	32.1 mg/dL (Julian Mclain '21, Christina Vu '22)
Troponin	119 µg/L (Christiane Abouzeid '16, Meena Zareh '16)
CK	264,660 IU/L (Bryan Chen '17)
ESR	>140 mm/h (Alexander Madonis '12)
CRP	708.6 mg/L(Thiri Oo '12)
ANA	1:2560 (Alexander Madonis '12)
Anti-DS DNA	1:10240 (CJ Duffaut '11)
Complement C3	24 mg/dL (Jaymica Patel '13)
Complement C4	<2.0 mg/dL (Julian Mclain, '21)

Rheum factor	497 IU/mL(Alexander Madonis '12)
Globulin Gap	16.3(Lydia Chow '21)
Serum IgE	21,117 mg/dL (Alexander Madonis '12)
Serum IgG	8037 mg/dL (Alexander Madonis '12)
D-dimer	>10,000 ng/mL (Julian Mclain, '21)
CH50	Undetectable (Julian Mclain, '21)
CA-125	686 U/mL (Michael Karp '02)
Urine Potassium	13.2 mEq/L(Alexander Madonis '12)
Procalcitonin	>100 ng/mL (Karen Tsai '20)
CD4 count	1 cells/mm ³ (Jose Luis Hernandez '12) 2138 cells/mm ³ (Arta Bakshandeh '11)
Crypto AgS	1:256 (Alexander Madonis '12)
RPR Titer	1:32,768 (Alexander Klonoff '22)
HBV DNA	>640,200,000 IU/mL (David Cao '10)
HCV RNA	22,622,130 IU/mL (Brian Lee '16)
CSF WBC	3430 cells/µL (Alexander Madonis '12)
CSF Protein	4100 mg/dL (Darren Morris '21)
Fecal Calprotectin	>2000µg/g (Brett McGettigan '22)
Ejection Fraction (TTE)	7% (Lillian Dawit '22, Matt Zabrowski'22)
Cardiac Vegetation Size:	4.3cmx1.5cm (Pierce Bradley '22)
Highest Pulmonary Artery Pressure:	145/65 (mean 92) mmHg (Christopher Parrish '11)

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Diuresis: 36L (Patrick Lee, '22)

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)

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
Tazobactam:	>=128 Resistant
Tobramycin:	>=16 Resistant
Piperacillin-	
TMP-SMZ:	>=320 Resistant
Tetracycline:	>=16 Resistant
Cefotaxime:	>=64 Resistant
Tigecycline:	>=8 Resistant
Colistin:	0.125 Susceptible