Serum	2/15/1989	1/18/1990	11/18/1997	9/14/1999	1/20/2000	4/27/2001	9/25/2001	10/28/2002	7/10/2003	9/15/2003	10/19/2004
glucose	101		123	94	80		80	89	83	86	91
			65.0-105								
albumin	4.6		3.9					4.3		4	4.3
			3.9-5								
total protein	7.5		7.1					7.4			7.8
			6.3-8.2					6.3-8.3			6.3-8.3
GLOBULIN											
A/G RATIO											
ggt			14					20			
			8.0-78.0					12.0-43.0			
ldh	128		332.00								
			313-618								
ALKA PHOS	75		62					63			59
			38-126								
ast/sgot	16		20					26		30	28
			5to40					14.0-36.0		14.0-36.0	14.0-36.0
alt/sgpt			20			27		26		27	31
			7to56			9.0-52.0		9.0-52.0		9.0-52.0	9.0-52.0
tbili			0.4					0.2			0.2
			7to18								
direct bili								0			0
								0-.4			.-.4
bun	8	10	9	17	16		16	21		13	20
			7.0-18.0	7.0-20.0	7.0-17.0		7.0-20.0	7-17		7.0-17.0	7.0-17.0
creatinine	0.9	1.3	0.8	0.9	0.8		0.8	0.9		0.9	0.8
			0.7-1.2	0.6-1	.7-1.0		.6-1.0	.7-1.0		.7-1.0	.7-1.0
bun/creat ratio			11.25	18.89	20.00		20	23.33		14	25
eGFR											85
sodium			140	141	140		140	141			142
			137-145	138-146	137-145		138.0-146.0	137.0-145.0			137-145
potassium			4.7	4.4	4.1		4.1	4.2		4.5	4.8
			3.6-5.0	3.5-4.8	3.5-5.0		3.5-4.8	3.5-5		3.5-5.0	3.5-5.0
chloride			101	102	104		104	102			104
			98.0-107.0	100-109	98.0-107.0		100-109	98-107			98.0-107.0
ECO2			28		25		25	29			31
			22.0-31.0		20-30		20.0-31.0	20.0-30.0			20-30
anion gap			16								
phosphorus	3		4								
			2.5-4.5								
calcium	9.9		9.5								9.9
			8.4-10.2								
magnesium											2
											1.6-2.3

Serum	10/29/2004	8/23/2005	5/1/2006	9/25/2006	1/25/2007	3/16/2007	6/21/2007	8/13/2007	8/28/2007	12/11/2007
glucose		93			89	87	93		89	
						70-109 mg/dL	70-110 mg/dL		65-99 mg/dL	
albumin		4.7	4.5		4.7	4.5	4.2			4.3
						3.2-5.2 G/dL	3.2-5.2 G/dL			3.5-5.5 g/dL
total protein						7.1	7.4		6.9	6.4
						5.9-8.4 G/dL	5.9-8.4 G/dL		6-8.5 g/dL	6-8.5 g/dL
GLOBULIN						2.6			2.5	
						1.4-4.4 G/dL			1.5-4.5 g/dL	
A/G RATIO						1.7			1.8	
						.7-2.1			1.1-2.5 g/dL	
ggt								10		
								0-60 IU/L		
ldh										
ALKA PHOS		46	48		58	52	47		51	61
						40-129 U/L			25-150 IU/L	25-150 IU/L
ast/sgot		25	28	24	24	28	28		26	27
						0-31 U/L			0-40 IU/L	0-40 IU/L
alt/sgpt		28	21	22	23	23	23	34	21	21
						5.0-45.0 U/L		0-40 IU/L	0-40 IU/L	0-40 IU/L
tbili		0.4	0.3		0.2	0.4			0.3	0.3
						0.0-1.0 mg/dL			.1-1.2 mg/dL	.1-1.2 mg/dL
direct bili							0.6			0.1
										0-.4 mg/dL
bun	18	17	16	16		18	14		10	
	7.0-17.0					6.0-20.0 mg/dL	6.0-20.0 mg/dL		5-26 mg/dL	
creatinine	0.9	0.8	0.7	0.7	0.6	0.8	0.9		0.9	
	.7-1.0					.5-1.1 mg/dL	.6-1.3 mg/dL		.5-1.5 mg/dL	
bun/creat ratio	20	21	22.9	22.9	28.3	25	16		11	
						10.0-20.0			8-27	
eGFR	74					>60	76.6			
	60					60 mL/min	stage 2 kidney disease			
sodium		141	141	141	140	140	140		139	
						133-145 mmol/L			135-148 mmol/L	
potassium		4.1	4.4	4.6	3.9	4.8	3.6		4.2	
						3.3-5.1 mmol/L	3.3-5.1 mmol/L		3.5-5.5 mmol/L	
chloride		103	105	102	102	103	106		101	
						96-108 mmol/L	96-108		96-109 mmol/L	
ECO2		29.3	30.4	31.9	28.8	29	29		25	
						22.0-30.0 mmol/L	22-30 mmol/L		20-32 mmol/L	
anion gap		8.7	5.6	7.1	9.2	9	5			
						8.0-16.0 mmol/L	4-12 mmol/L			
phosphorus										
calcium		10.1	9.6	10.4		10	9.7		9.7	
						8.4-10.3 mg/dL	8.4-10.3 mg/dL		8.5-10.6 mg/dL	
magnesium										

Serum	3/24/2008	10/8/2008	11/14/2008	1/2/2009	20090116	5/14/2009	8/12/2009	8/24/2009	8/28/2009	9/9/2009
glucose	98	108	103	80	99	99	97	112	92	
	70-110mg/dL		70-110 mg/dL	70-110 mg/dL						
albumin	4	3.8	3.8		5.5		4.6	4	3.9	
	3.3-4.8g/dL				4.2-5.8%					
total protein	6.3	6.8	6.6	5.9	4	6.3	6.8	6.4	6.5	
	6.5-8.2g/dL			6.5-8.2 g/dL						
GLOBULIN					6.7		2.2			
A/G RATIO							2.1			
ggt										
ldh										
ALKA PHOS	48	57				56	42	45	39	
	25-160IU/L									
ast/sgot	50	23	27	25	60	27	19	25	23	
	15-41U/L			15-41 U/L						
alt/sgpt	32	19	22	25	24	19	14	21	19	
	15-63IU/L			15-63 U/L						
tbili	0.7	0.4	0.8	0.8	21		0.5	0.5	0.5	
	.3-1.2mg/dL			.3-1.2 mg/dL						
direct bili					0.9					
bun	9	20	14	19		16	18	12	13	13
	6-24mg/dL			6-24 mg/dL						7-18 mg/dL
creatinine	0.9	1	0.8	0.8	16	0.9	0.8	0.8	0.9	0.7
	.6-1.3mg/dL			.6-1.3 mg/dL						.7-1.2 mg/dL
bun/creat ratio					0.8		23			
eGFR	78.3	65.4	88.7	88.7		73.9		79.7	76.8	
	stage2		mild decreasing GFR	mild decreasing GFR						
sodium	139	138	141	139	88.7	140	140	138	139	140
	135-145mmol/L		135-145 mmol/L	135-145 mmol/L						134-144 mEq/L
potassium	4.4	4	3.9	4.4	138	4.2		4.1	4.2	3.9
	3.3-5.1mmol/L		3.3-5.1 mmol/L	3.3-5.1 mmol/L						3.5-5.1 mEq/L
chloride	103	99	103	104	4.1	104	106	103	1.1	103
	98-108mmol/L		98-108 mmol/L	98-108 mmol/L						96-108 mEq/L
ECO2	30	30	31	30	102	28		27	30	30
	25-33mmol/L		25-33 mmol/L	25-33 mmol/L						22-30 mEq/L
anion gap	6	9	7	5	30	8		8	8	7
	12-Apr		4-12	4-12						4-14 u
phosphorus					6					
calcium	9.6	9.9	9.9	9.3	4.1		9.8	9.4	9.6	9.7
	8.6-10.3mg/dL		8.6-10.3 mg/dL	8.6-10.3 mg/dL						8.6-157 mg/dl
magnesium			1.8		9.9					
			1.3-2.1 mEq/L							

Serum	10/8/2009	11/9/2009	02/09/10	08/10/10	10/07/10	11/22/10	03/14/11	03/22/11	05/03/01	6/24/2011	7/21/2011	11/4/2011
glucose		100	89	90		87	84	88			83	95
			70-110 mgdL									
albumin		3.8	3.9	4.6	4.8	3.9	4.5		4.5	4.5		4.7
			3.4-4.5 g/dL									
total protein		6.1	6.9	6.7	6.9	6.8	6.5	6.8	6.4	6.7		7.1
		6.5-8.2 g/dL	6.4-8.2 g/dL									
GLOBULIN				2.1			2	2		2.2		2.4
A/G RATIO			1.3	2.2		1.3	2.3	2.4		2		2
			1-2.2 calc									
ggt												
ldh												
ALKA PHOS		39	60	56	48	54	59	54	50		68	57
			40-136 U/L									
ast/sgot		22	23	32	27	27	141	59	34	30	20	16
			8-34 U/L									
alt/sgpt		26	50	30	23	47	174	103	50	33	22	12
			20-65 U/L									
tbili		0.6	0.27	0.3	0.3	0.29	0.2	0.3	0.3	0.3	0.3	0.3
			0-1 mg/dL									
direct bili					0.1				0.1			
bun		14	12-16 g/dL	13		15	14	16		14	12	15
			6-20 mg/dL									
creatinine		0.8	0.8	0.79	0.84	0.8	0.84	0.92		0.79	0.86	1
			.6-1.3 mg/dL									
bun/creat ratio				16			17	17			14	
eGFR		84.4	83	>59	>59	83	>59	>59		91	82	68
			>60 ml?min									
sodium		140	141	142		143	139	141		141	141	139
			136-145 mmol/L									
potassium		4.1	3.9	4.3		4.1	4.5	4		4.4	4.2	4.3
			3.5-5 mmol/L									
chloride		105	103	102		104	100	101		105	101	103
			100-109 mmol/L									
ECO2		30	28	25		28		24		29	25	27
			22-34 mmol/L									
anion gap		5	10			11						13.3
			5-14 r									9
phosphorus				3.8								
				2.5-4.5mg/dl								
calcium		9.2	8.8	9.7		8.6	9.2	10.1		10	9.8	
			8.4-10.1 mg/dL									
magnesium												

Serum	3/1/2012	7/2/2012	12/13/2012	1/11/2013	4/22/2013	5/30/2013	7/19/2013	7/26/2013	9/19/2013f	1/20/2014	2/13/2014
glucose	90	91	93		79	90	93		92	84	111
									64-125mg/dL	64-125mg/dL	
albumin	4.4	4.4	3.8	4.7	3.9	4.5	4.8		4.6	4.5	3.8
				3.6-5.1g/dL					3.7-5.2 g/dL	3.7-5.2 g/dL	
total protein	6.5	6.5	6.8	6.9		6.8	6.8		7.1	6.8	7.2
				6.1-8.1g/dL					6.0-8.2 g/dL	6.0-8.2 g/dL	
GLOBULIN	2.1	2.1		2.2		2.3	2		2.5	2.3	
				1.9-3.7g/dL					2.0-3.5 g/dL	2.0-3.5 g/dL	
A/G RATIO	2.1	2.1	1.3	2.1	1.2	2	2.4		1.8	2	1.1
				1.0-2.5					1.0-2.5	1.0-2.5	
ggt											
ldh											
ALKA PHOS	51		87	63	88	55	49		52	57	73
				33-115U/L					30-1.3 U/L	30-1.3 U/L	
ast/sgot	20	19	26	26	24	22	20		17	21	22
				10-35U/L					9-34 U/L	9-34 U/L	
alt/sgpt	12	12	44	21	28	14	16		18	13	26
				6-40U/L					4-50 U/L	4-50 U/L	
tbili	0.4	0.4	0.17	0.3	0.24	0.5	0.5		0.5	0.3	0.23
				.2-1.2mg/dL					.3-1.5mg/dL	.3-1.5mg/dL	
direct bili				0.1							
				<=.2mg/dL							
bun	14	13	13		18	14	13		13	16	17
									7.0-19.0mg/dL	7.0-19.0mg/dL	
creatinine	0.89	0.92	1		0.9	1.2	0.9		0.9	0.9	0.9
									.6-1.5mg/dL	.6-1.5mg/dL	
bun/creat ratio						12	14.3		14.9	18	
									10.0-20.0	10.0-20.0	
eGFR	78	75	>60		>60						>60
sodium	141	141	145		140	138	139		143	140	144
									136-150mmol/L	136-150mmol/L	
potassium	4.4	4.3	4.4		4.1	4.7	4.2		4.4	4.1	4
									37.-5.2mmol/L	37.-5.2mmol/L	
chloride	103	1.4	105		103	104	103		108	104	103
									98-115mmol/L	98-115mmol/L	
ECO2	29	29	29		31	30	31		29		28
									23-34mmol/L	23-34mmol/L	
anion gap	13.4		15		10						17
	9										
phosphorus											
calcium		9.8			9.1	10.03	10.79	10	10.25	9.88	9.1
							8.6-10.2 mg/dL	8.6-10.2 mg/dL	8.30-10.70 mg/dL	8.30-10.70 mg/dL	
magnesium											

Serum	8/14/2014
glucose	91
albumin	3.7
total protein	6.9
GLOBULIN	
A/G RATIO	1.2
ggt	
ldh	
ALKA PHOS	72
ast/sgot	17
alt/sgpt	27
tbili	0.26
direct bili	
bun	1.1
creatinine	9.1
bun/creat ratio	
eGFR	57
sodium	141
potassium	4.4
chloride	105
ECO2	33
anion gap	7
phosphorus	
calcium	
magnesium	