

Patient: Rodrigo [REDACTED]

2021-06-08

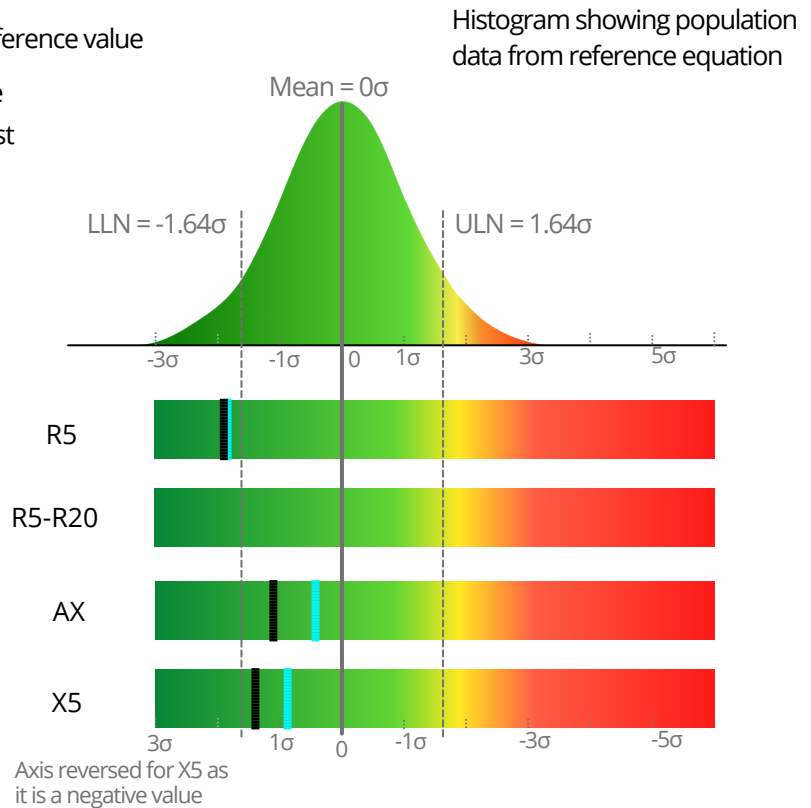
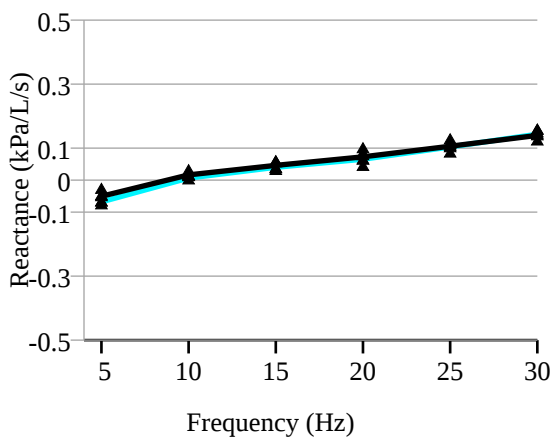
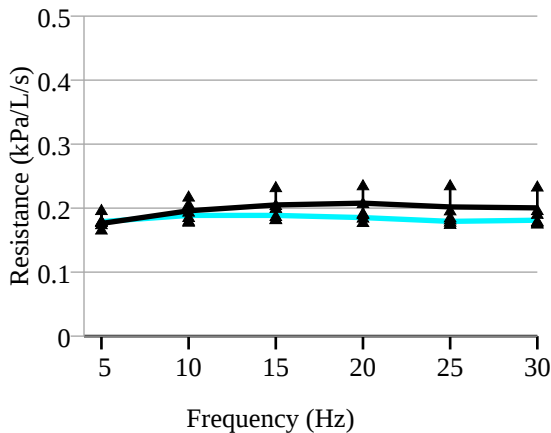
Gender	Male	Patient ID	007_Cognita_Labs
Height	179 cm	Smoking History	
Weight	96 kg	Notes	
Age	35 years	Ethnicity	White
Operator		Reference Equation	Caucasian M:18-84 yrs, F:19-81 yrs_Oostveen

Session ID: Session_19:42:26; 06/08/2021

Average Coherence: 1.05

Parameter	Reference	Pre-test	Pre-test Zscore	Pre-test as %predicted	Post-test	Post-test Zscore	Post-test as %predicted	Pre-Post
R5 kPa/L/s	0.30	0.18	-1.85	59%	0.18	-1.91	59%	-2%
R5-R20 kPa/L/s	0.03	-0.01	n/a	-	-0.03	n/a	-	-
AX kPa/L	0.23	0.17	-0.43	73%	0.10	-1.11	45%	-39%
X5 kPa/L/s	-0.10	-0.07	0.88	69%	-0.05	1.40	51%	26%
Fres Hz	1.18	9.37	8.28	792%	8.32	7.81	703%	-11%

'n/a': The parameter is not available in the reference equation selected



Pre - 1) Time: 7:45 pm; Jun 8; 2021

Inhalation Parameters (kPa/L/s)		Exhalation Parameters (kPa/L/s)		Breathing Parameters	
R _{insp} 5	0.20	R _{exp} 5	0.16	Tidal Volume	665.27 ml
R _{insp} 10	0.20	R _{exp} 10	0.17	Inhalation Time	0.92 s
R _{insp} 15	0.20	R _{exp} 15	0.17	Exhalation Time	1.08 s
R _{insp} 20	0.19	R _{exp} 20	0.16	Respiratory Duty Cycle	0.46
R _{insp} 25	0.19	R _{exp} 25	0.16	Respiratory Rate	30.11 cycles/min
R _{insp} 30	0.19	R _{exp} 30	0.16	Mean Inspiratory Flow	774.19 ml/s
R _{insp} 5 - R _{insp} 20	0.01	R _{exp} 5 - R _{exp} 20	-0.01	Mean Expiratory Flow	577.17 ml/s
X _{insp} 5	-0.02	X _{exp} 5	-0.14	Coherence	1.05
X _{insp} 10	0.03	X _{exp} 10	-0.03		
X _{insp} 15	0.05	X _{exp} 15	0.02		
X _{insp} 20	0.06	X _{exp} 20	0.06		
X _{insp} 25	0.11	X _{exp} 25	0.10		
X _{insp} 30	0.17	X _{exp} 30	0.14		
Fres _{insp}	6.41	Fres _{exp}	12.83		
AX _{insp}	0.02	AX _{exp}	0.52		

Pre - 2) Time: 7:49 pm; Jun 8; 2021

Inhalation Parameters (kPa/L/s)		Exhalation Parameters (kPa/L/s)		Breathing Parameters	
R _{insp} 5	0.21	R _{exp} 5	0.18	Tidal Volume	1068.03 ml
R _{insp} 10	0.22	R _{exp} 10	0.19	Inhalation Time	1.23 s
R _{insp} 15	0.21	R _{exp} 15	0.19	Exhalation Time	1.66 s
R _{insp} 20	0.20	R _{exp} 20	0.18	Respiratory Duty Cycle	0.43
R _{insp} 25	0.19	R _{exp} 25	0.18	Respiratory Rate	20.75 cycles/min
R _{insp} 30	0.20	R _{exp} 30	0.18	Mean Inspiratory Flow	872.08 ml/s
R _{insp} 5 - R _{insp} 20	0.02	R _{exp} 5 - R _{exp} 20	-0.00	Mean Expiratory Flow	639.96 ml/s
X _{insp} 5	-0.05	X _{exp} 5	-0.06	Coherence	1.05
X _{insp} 10	0.02	X _{exp} 10	0.00		
X _{insp} 15	0.04	X _{exp} 15	0.03		
X _{insp} 20	0.05	X _{exp} 20	0.07		
X _{insp} 25	0.10	X _{exp} 25	0.10		
X _{insp} 30	0.15	X _{exp} 30	0.12		
Fres _{insp}	8.30	Fres _{exp}	9.85		
AX _{insp}	0.10	AX _{exp}	0.15		

Pre - 3) Time: 7:53 pm; Jun 8; 2021

Inhalation Parameters (kPa/L/s)		Exhalation Parameters (kPa/L/s)		Breathing Parameters	
$R_{\text{insp } 5}$	0.18	$R_{\text{exp } 5}$	0.15	Tidal Volume	916.16 ml
$R_{\text{insp } 10}$	0.19	$R_{\text{exp } 10}$	0.16	Inhalation Time	0.98 s
$R_{\text{insp } 15}$	0.19	$R_{\text{exp } 15}$	0.18	Exhalation Time	1.42 s
$R_{\text{insp } 20}$	0.20	$R_{\text{exp } 20}$	0.18	Respiratory Duty Cycle	0.41
$R_{\text{insp } 25}$	0.18	$R_{\text{exp } 25}$	0.18	Respiratory Rate	24.99 cycles/min
$R_{\text{insp } 30}$	0.18	$R_{\text{exp } 30}$	0.18	Mean Inspiratory Flow	946.46 ml/s
$R_{\text{insp } 5} - R_{\text{insp } 20}$	-0.02	$R_{\text{exp } 5} - R_{\text{exp } 20}$	-0.03	Mean Expiratory Flow	637.11 ml/s
$X_{\text{insp } 5}$	-0.06	$X_{\text{exp } 5}$	-0.09	Coherence	1.07
$X_{\text{insp } 10}$	0.03	$X_{\text{exp } 10}$	-0.00		
$X_{\text{insp } 15}$	0.07	$X_{\text{exp } 15}$	0.04		
$X_{\text{insp } 20}$	0.08	$X_{\text{exp } 20}$	0.06		
$X_{\text{insp } 25}$	0.11	$X_{\text{exp } 25}$	0.09		
$X_{\text{insp } 30}$	0.15	$X_{\text{exp } 30}$	0.13		
$F_{\text{res } \text{insp}}$	8.14	$F_{\text{res } \text{exp}}$	10.18		
AX_{insp}	0.11	AX_{exp}	0.24		

Post - 1) Time: 7:49 pm; Jun 8; 2021

Inhalation Parameters (kPa/L/s)		Exhalation Parameters (kPa/L/s)		Breathing Parameters	
$R_{insp\ 5}$	0.15	$R_{exp\ 5}$	0.20	Tidal Volume	913.29 ml
$R_{insp\ 10}$	0.21	$R_{exp\ 10}$	0.22	Inhalation Time	0.67 s
$R_{insp\ 15}$	0.23	$R_{exp\ 15}$	0.23	Exhalation Time	1.71 s
$R_{insp\ 20}$	0.23	$R_{exp\ 20}$	0.24	Respiratory Duty Cycle	0.28
$R_{insp\ 25}$	0.24	$R_{exp\ 25}$	0.23	Respiratory Rate	25.16 cycles/min
$R_{insp\ 30}$	0.24	$R_{exp\ 30}$	0.22	Mean Inspiratory Flow	968.37 ml/s
$R_{insp\ 5} - R_{insp\ 20}$	-0.07	$R_{exp\ 5} - R_{exp\ 20}$	-0.04	Mean Expiratory Flow	686.54 ml/s
$X_{insp\ 5}$	0.02	$X_{exp\ 5}$	-0.08	Coherence	1.05
$X_{insp\ 10}$	0.06	$X_{exp\ 10}$	-0.01		
$X_{insp\ 15}$	0.08	$X_{exp\ 15}$	0.04		
$X_{insp\ 20}$	0.12	$X_{exp\ 20}$	0.07		
$X_{insp\ 25}$	0.15	$X_{exp\ 25}$	0.10		
$X_{insp\ 30}$	0.17	$X_{exp\ 30}$	0.14		
$Fres_{insp}$	5.00	$Fres_{exp}$	10.67		
AX_{insp}	-0.02	AX_{exp}	0.25		

Post - 2) Time: 7:56 pm; Jun 8; 2021

Inhalation Parameters (kPa/L/s)		Exhalation Parameters (kPa/L/s)		Breathing Parameters	
$R_{insp\ 5}$	0.19	$R_{exp\ 5}$	0.17	Tidal Volume	1065.85 ml
$R_{insp\ 10}$	0.21	$R_{exp\ 10}$	0.17	Inhalation Time	1.06 s
$R_{insp\ 15}$	0.22	$R_{exp\ 15}$	0.18	Exhalation Time	1.58 s
$R_{insp\ 20}$	0.22	$R_{exp\ 20}$	0.19	Respiratory Duty Cycle	0.40
$R_{insp\ 25}$	0.21	$R_{exp\ 25}$	0.18	Respiratory Rate	22.75 cycles/min
$R_{insp\ 30}$	0.21	$R_{exp\ 30}$	0.18	Mean Inspiratory Flow	1025.83 ml/s
$R_{insp\ 5} - R_{insp\ 20}$	-0.03	$R_{exp\ 5} - R_{exp\ 20}$	-0.02	Mean Expiratory Flow	663.05 ml/s
$X_{insp\ 5}$	-0.06	$X_{exp\ 5}$	-0.08	Coherence	1.05
$X_{insp\ 10}$	0.02	$X_{exp\ 10}$	0.01		
$X_{insp\ 15}$	0.06	$X_{exp\ 15}$	0.05		
$X_{insp\ 20}$	0.09	$X_{exp\ 20}$	0.07		
$X_{insp\ 25}$	0.12	$X_{exp\ 25}$	0.10		
$X_{insp\ 30}$	0.16	$X_{exp\ 30}$	0.14		
$Fres_{insp}$	8.76	$Fres_{exp}$	9.31		
AX_{insp}	0.15	AX_{exp}	0.19		

Post - 3) Time: 8:00 pm; Jun 8; 2021

Inhalation Parameters (kPa/L/s)		Exhalation Parameters (kPa/L/s)		Breathing Parameters	
$R_{\text{insp } 5}$	0.19	$R_{\text{exp } 5}$	0.15	Tidal Volume	942.65 ml
$R_{\text{insp } 10}$	0.20	$R_{\text{exp } 10}$	0.16	Inhalation Time	1.02 s
$R_{\text{insp } 15}$	0.19	$R_{\text{exp } 15}$	0.17	Exhalation Time	1.33 s
$R_{\text{insp } 20}$	0.19	$R_{\text{exp } 20}$	0.17	Respiratory Duty Cycle	0.43
$R_{\text{insp } 25}$	0.19	$R_{\text{exp } 25}$	0.17	Respiratory Rate	25.57 cycles/min
$R_{\text{insp } 30}$	0.19	$R_{\text{exp } 30}$	0.16	Mean Inspiratory Flow	958.97 ml/s
$R_{\text{insp } 5} - R_{\text{insp } 20}$	0.00	$R_{\text{exp } 5} - R_{\text{exp } 20}$	-0.02	Mean Expiratory Flow	684.56 ml/s
$X_{\text{insp } 5}$	-0.05	$X_{\text{exp } 5}$	-0.05	Coherence	1.04
$X_{\text{insp } 10}$	0.01	$X_{\text{exp } 10}$	0.01		
$X_{\text{insp } 15}$	0.02	$X_{\text{exp } 15}$	0.03		
$X_{\text{insp } 20}$	0.03	$X_{\text{exp } 20}$	0.05		
$X_{\text{insp } 25}$	0.08	$X_{\text{exp } 25}$	0.08		
$X_{\text{insp } 30}$	0.12	$X_{\text{exp } 30}$	0.12		
$F_{\text{res } \text{insp}}$	8.90	$F_{\text{res } \text{exp}}$	8.73		
AX_{insp}	0.11	AX_{exp}	0.12		