WEB TABLE I COEFFICIENT OF DETERMINATION (R^2) FOR LINEAR AND BEST NONLINEAR MODELS FOR UNIVARIATE REGRESSION OF SPIROMETRY PARAMETERS

Parameter	*Girls*						*Boys*					
	Age		*Height*		*Weight*		*Age*		*Height*		*Weight*	
	Linear	*Best Non-linear*	*Linear*	*Best Non-Linear*	*Linear*	*Best Non-Linear*	*Linear*	*Best Non-linear*	*Linear*	*Best Non-Linear*	*Linear*	*Best Non-Linear*
FVC	0.724	0.762 (P)	0.780	0.843 (P)	0.706	0.765 (P)	0.788	0.834 (E)	0.852	0.913 (E)	0.743	0.756 (E)
FEV1	0.752	0.773 (P)	0.783	0.839 (P)	0.684	0.748 (P)	0.794	0.843 (E)	0.837	0.903 (E)	0.702	0.724 (E)
PEFR	0.671	0..734 (P)	0.655	0.735 (P)	0.550	0.634 (P)	0.787	0.838 (E)	0.769	0.837 (E)	0.617	0.699 (P)
FEF50	0.498	0.528 (P)	0.492	0.533 (E)	0.437	0.489 (P)	0.595	0.623 (E)	0.597	0.634 (E)	0.482	0.517 (P)
FEF25	0.390	0.428 (E)	0.406	0.445 (E)	0.299	0.351 (P)	0.474	0.526 (E)	0.473	0.536 (E)	0.358	0.387 (E)
FEF25-75	0.528	0.609 (P)	0.594	0.658 (P)	0.474	0.559 (P)	0.650	0.700 (E)	0.670	0.728 (E)	0.503	0.530 (E)

FVC: Forced vital capacity, FEV1: Forced expiratory volume in the 1 second, PEFR: Peak expiratory flow rate, FEF50 and FEF75: Forced expiratory flow rates at 50% and 75% exhalation of vital capacity, FEF25-75: Mean forced expiratory flow rates over the middle 50% of the vital capacity; Linear Equation $Y = b_0 + b_1 * x$ *; Exponential equation (E) =* $Y = b_0 * e^{b1x}$ *i.e. Ln (Y) = Ln* $(b_0) + b_1 * x$*; Power equation* $Y = b_0 * x^{b1}$ *i.e. Ln (Y) = Ln* $(b_0) + b_1 Ln(x)$*; Y = dependent variable (spirometry parameter),* b_0 *= constant,* b_1 *= coefficient of independent variable x.*