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Date: August 2020

Report Templates Available for EasyOne Pro/LAB and Easy on-PC

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1 Introduction

The software for Easy on-PC and EasyOne Pro/LAB is equipped by default with a large number of standard report templates. Additional report templates, however, are available for download from ndd’s website: <https://www.ndd.ch/en/support/download/reports-printers.html>

This application note shows examples of all default reports (chapter 2) and additional examples of reports that are available for download (chapter 3).

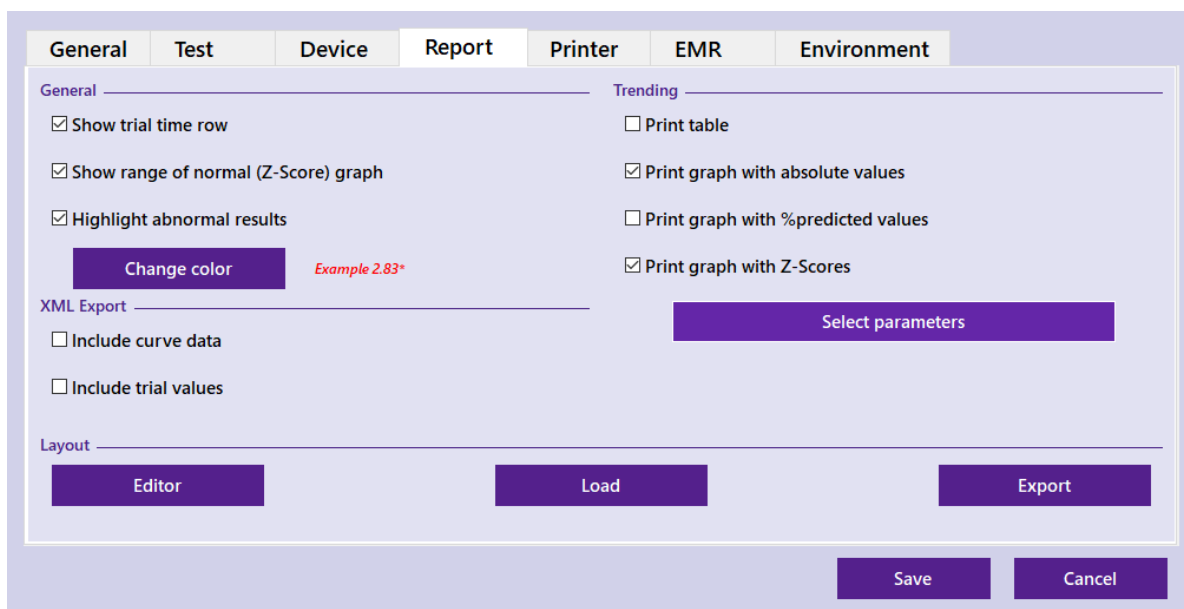
DLCO reports are used in EasyOne Pro/LAB protocols. FRC reports are intended for EasyOne Pro LAB protocols only.

2 General Report Settings

EasyOne Connect allows you to specify basic settings for standard reports. Such general settings include: “Show trial time row”, “Show range of normal (Z-Score) graph”, and “Highlight abnormal results in color”.

You can also customize the trending options for a report and choose to add a table for trended parameters, a graph with absolute values, a graph with %predicted values, and a graph with Z-Scores. Up to four trending parameters can be selected to be included in the standard reports.

Downloaded additional report layouts can be imported in the same configuration section of the EasyOne Connect software.



General settings and trending options available for EasyOne Connect.

Sample report to show the customizations of standard reports:

ndd Medical Technologies

Zurich, Switzerland

PETER, SMITH

ID: 136 Age: 42 (13.10.1977)

Gender	Male	Height	174 cm	Asthma	No
Ethnicity	Caucasian	Weight	78 kg	BMI	25.8
Smoker	No			COPD	--

FVC (ex only)

Your FEV1 / Predicted: 59%

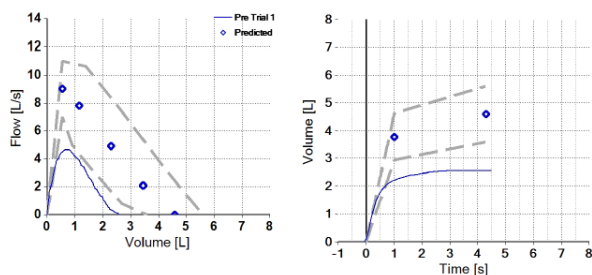
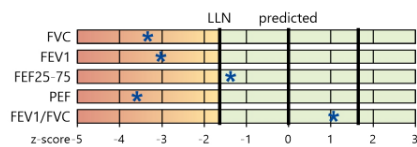
Test Date	04.08.2020 15:23:16	Interpretation	GOLD(2003)/Hardie	Value Selection	Best Trial
Post Time		Predicted	ERS (ECCS/EGKS), 1993	BTPS (IN/EX)	1.00/1.02

Parameter	Pre Best			
	Pred	LLN	Trial 1	%Pred
Time			15:23:18	
FVC [L]	4.59	3.59	2.55*	56
FEV1 [L]	3.77	2.93	2.23*	59
FEV1/FVC	0.796	0.678	0.873	110
FEF25-75 [L/s]	4.27	2.56	2.84	66
PEF [L/s]	9.03	7.04	4.67*	52
FET [s]	-	-	4.3	-

Caution: Poor session quality. Interpret with care.

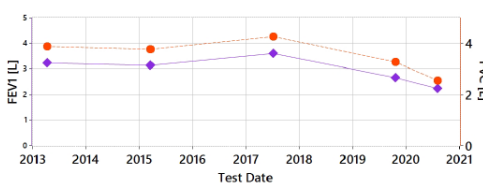
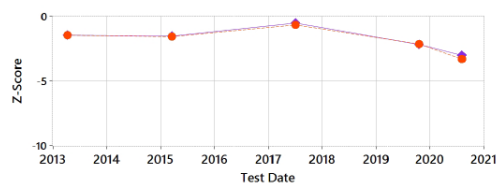
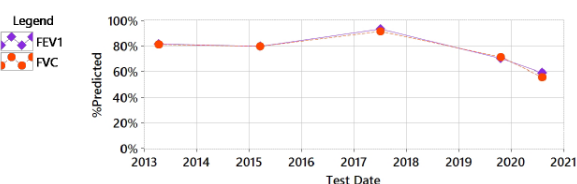
* Indicates value outside normal range or significant post change.

Session Quality	Pre	D - Only one acceptable trial
System Interpretation	Pre	No interpretation, not enough acceptable maneuvers



Trend

	09.04.13	18.03.15	04.07.17	21.10.19	04.08.20
FEV1 [L]	3.24	3.13	3.60	2.65	2.23
%Predicted	81	80	93	70	59
FVC [L]	3.88	3.77	4.26	3.26	2.55
%Predicted	81	80	91	71	56



3 Standard Report Templates

3.1 FVC/FVL, Standard

n dd Medical Technologies
Zurich, Switzerland

Smith, Peter

ID: PSM-11213 Age: 35 (08.11.1983)

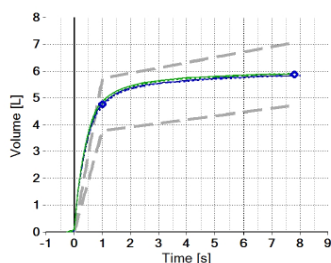
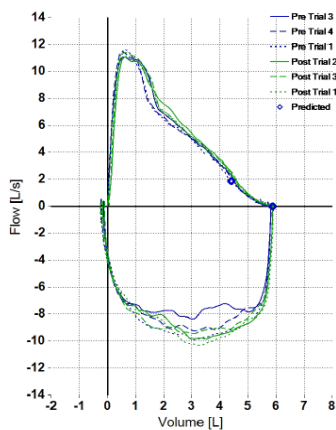
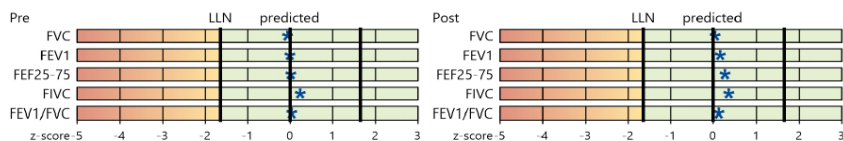
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

FVL (ex/in)

Your FEV1 / Predicted: 100%

Test Date	08.01.2019 14:07:38	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time	08.01.2019 14:10:04	Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

Parameter	Pre					Post					%Pred	Z-Score	%Chg		
	Pred	LLN	Best	Trial 3	Trial 4	Trial 1	Best	Trial 2	Trial 3	Trial 1					
FVC [L]	5.88	4.71	5.83	5.82	5.83	5.82	99	-0.06	5.91	5.89	5.88	5.91	101	0.05	1
FEV1 [L]	4.75	3.77	4.75	4.75	4.73	4.67	100	0.00	4.86	4.86	4.84	4.78	102	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.816	0.810	0.801	100	0.04	0.821	0.825	0.822	0.809	101	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	4.65	4.56	4.35	101	0.03	4.95	4.95	4.78	4.63	107	0.29	6
PEF [L/s]	-	-	11.65	11.08	11.52	11.65	-	-	11.45	11.09	11.45	11.44	-	-	-2
FET [s]	-	-	7.8	7.8	7.3	8.1	-	-	7.7	7.7	7.7	7.9	-	-	-1
FIVC [L]	5.88	4.71	6.05	5.96	6.05	6.01	103	0.24	6.14	6.06	5.98	6.14	105	0.37	2
PIF [L/s]	-	-	9.95	8.37	9.24	9.95	-	-	10.36	9.86	9.46	10.36	-	-	4
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))													
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))													
System Interpretation	Pre	Normal Spirometry													
	Post	Normal Spirometry													



John Doe 03.08.2020

Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

3.2 FVC, Large

ndd Medical Technologies
Zurich, Switzerland

Smith, Peter

ID: PSM-11213 Age: 35 (08.11.1983)

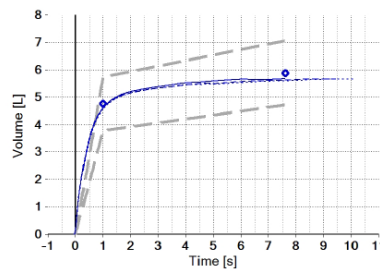
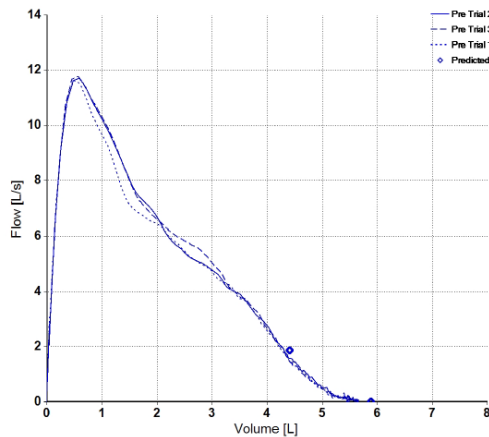
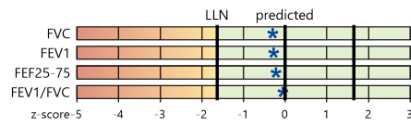
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

FVC (ex only)

Your FEV1 / Predicted: 97%

Test Date	08.01.2019 13:54:07	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time		Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

Parameter	Pre							%Pred	Z-Score	
	Pred	LLN	Best	Trial 2	Trial 3	Trial 1				
FVC [L]	5.88	4.71	5.67	5.67	5.66	5.65	96	-0.29		
FEV1 [L]	4.75	3.77	4.59	4.59	4.59	4.54	97	-0.27		
FEV1/FVC	0.812	0.707	0.809	0.809	0.811	0.804	100	-0.05		
FEF25-75 [L/s]	4.62	2.79	4.38	4.38	4.50	4.31	95	-0.22		
PEF [L/s]	-	-	11.81	11.74	11.81	11.67	-	-		
FET [s]	-	-	7.6	7.6	8.5	9.1	-	-		
Session Quality	Pre	A (FEV1 Var=0.00L (0.0%); FVC Var=0.02L (0.3%))								
System Interpretation	Pre	Normal Spirometry								



3.3 FVC/FVL, Large

n dd Medical Technologies
Zurich, Switzerland

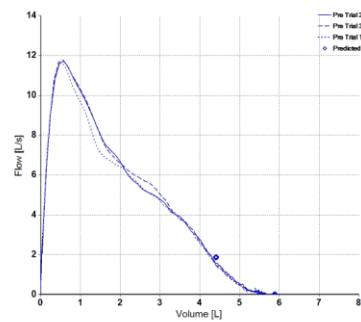
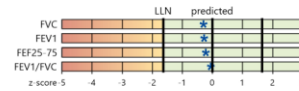
Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

FVC (ex only) Your FEV1 / Predicted: 97%

Test Date	08.01.2019 13:54:07	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time		Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

Parameter	Pred	Pre					%Pred	Z-Score
		LLN	Best	Trial 2	Trial 3	Trial 1		
FVC [L]	5.88	4.71	5.67	5.67	5.66	5.65	96	-0.29
FEV1 [L]	4.75	3.77	4.59	4.59	4.59	4.54	97	-0.27
FEV1/FVC	0.812	0.707	0.809	0.809	0.811	0.804	100	-0.05
FEF25-75 [L/s]	4.62	2.79	4.38	4.38	4.50	4.31	95	-0.22
PEF [L/s]	-	-	11.81	11.74	11.81	11.67	-	-
FET [s]	-	-	7.6	7.6	8.5	9.1	-	-
Session Quality	Pre	A (FEV1 Var=0.00L (0.0%); FVC Var=0.02L (0.3%))						
System Interpretation	Pre	Normal Spirometry						



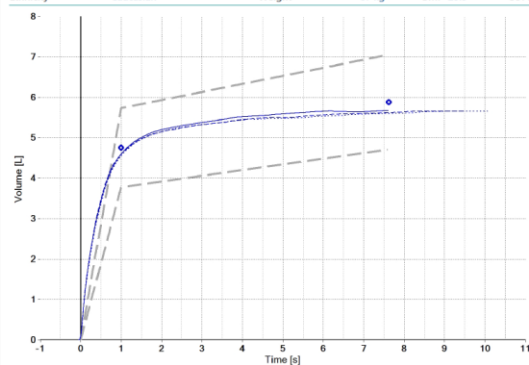
n dd Medizintechnik AG EasyOne Connect [3.7.19/3.5.0.0] (en) / EasyOnePro [4.6.2.27] SN LT-180227/11532

n ddReportForcedLarge 1/2

n dd Medical Technologies
Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
				COPD	No



n dd Medizintechnik AG EasyOne Connect [3.7.19/3.5.0.0] (en) / EasyOnePro [4.6.2.27] SN LT-180227/11532

n ddReportForcedLarge 2/2

3.4 FVC/FVL, Large FV Only

ndd Medical Technologies
Zurich, Switzerland

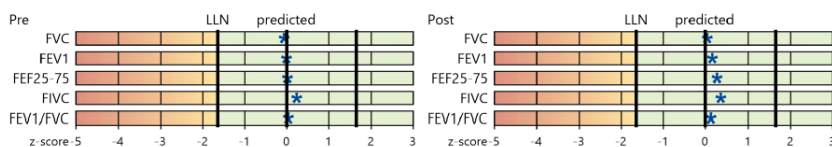
Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg BMI 25.5	COPD	No
Smoker	No				

FVL (ex/in) Your FEV1 / Predicted: 100%

Test Date	08.01.2019 14:07:38	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time	08.01.2019 14:10:04	Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

Parameter	Pre						Post						%Pred	Z-Score	%Chg
	Pred	LLN	Best	Trial 3	Trial 4	Trial 1	Best	Trial 2	Trial 3	Trial 1					
FVC [L]	5.88	4.71	5.83	5.82	5.83	5.82	99	-0.06	5.91	5.89	5.88	5.91	101	0.05	1
FEV1 [L]	4.75	3.77	4.75	4.75	4.73	4.67	100	0.00	4.86	4.86	4.84	4.78	102	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.816	0.810	0.801	100	0.04	0.821	0.825	0.822	0.809	101	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	4.65	4.56	4.35	101	0.03	4.95	4.95	4.78	4.63	107	0.29	6
PEF [L/s]	-	-	11.65	11.08	11.52	11.65	-	-	11.45	11.09	11.45	11.44	-	-	-2
FET [s]	-	-	7.8	7.8	7.3	8.1	-	-	7.7	7.7	7.7	7.9	-	-	-1
FIVC [L]	5.88	4.71	6.05	5.96	6.05	6.01	103	0.24	6.14	6.06	5.98	6.14	105	0.37	2
PIF [L/s]	-	-	9.95	8.37	9.24	9.95	-	-	10.36	9.86	9.46	10.36	-	-	4
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))													
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))													
System Interpretation	Pre	Normal Spirometry													
	Post	Normal Spirometry													

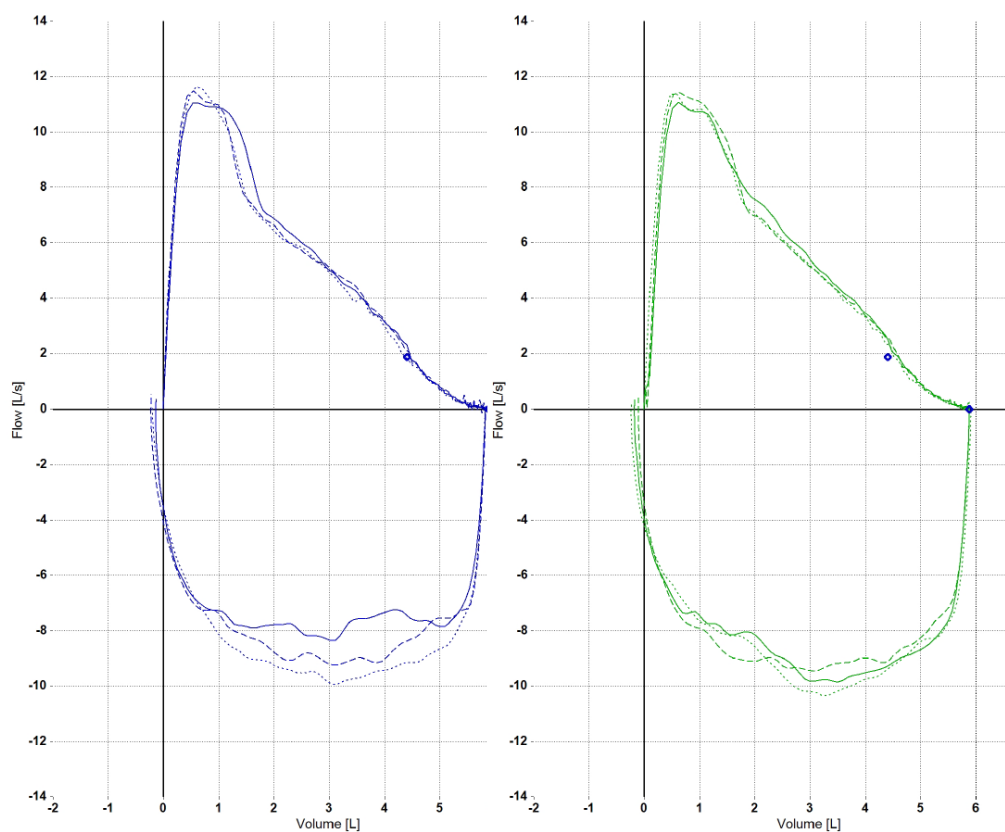


n dd Medical Technologies
Zurich, Switzerland

Smith, Peter

ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
				COPD	No
					Yes
					No



3.5 FVC FVL, Large (FVL pre-post)

ndd Medical Technologies
Zurich, Switzerland

Smith, Peter

ID: PSM-11213 Age: 35 (08.11.1983)

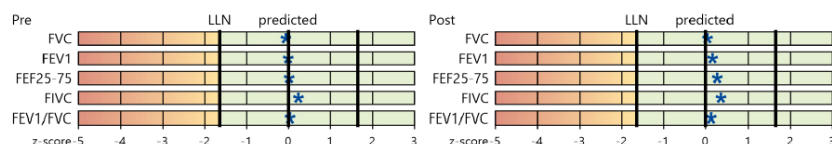
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

FVL (ex/in)

Your FEV1 / Predicted: 100%

Test Date	08.01.2019 14:07:38	Interpretation	GOLD(2008)/Hardie	Value Selection	Best Value
Post Time	08.01.2019 14:10:04	Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

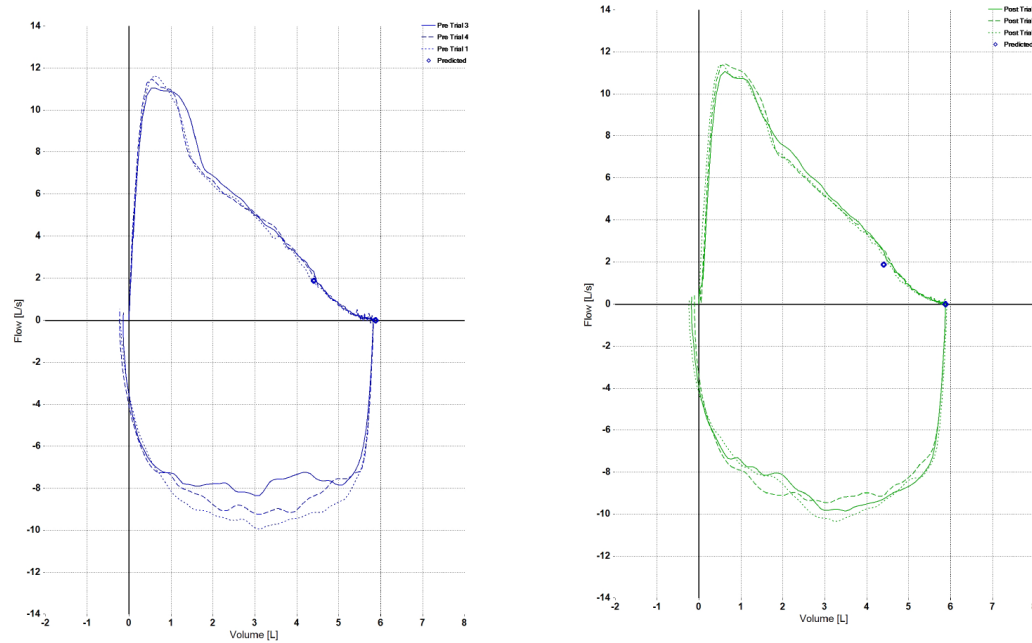
Parameter	Pre						Post						%Pred	Z-Score	%Chg
	Pred	LLN	Best	Trial 3	Trial 4	Trial 1	Best	Trial 2	Trial 3	Trial 1					
FVC [L]	5.88	4.71	5.83	5.82	5.83	5.82	99	-0.06	5.91	5.89	5.88	5.91	101	0.05	1
FEV1 [L]	4.75	3.77	4.75	4.75	4.73	4.67	100	0.00	4.86	4.86	4.84	4.78	102	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.816	0.810	0.801	100	0.04	0.821	0.825	0.822	0.809	101	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	4.65	4.56	4.35	101	0.03	4.95	4.95	4.78	4.63	107	0.29	6
PEF [L/s]	-	-	11.65	11.08	11.52	11.65	-	-	11.45	11.09	11.45	11.44	-	-	-2
FET [s]	-	-	7.8	7.8	7.3	8.1	-	-	7.7	7.7	7.7	7.9	-	-	-1
FIVC [L]	5.88	4.71	6.05	5.96	6.05	6.01	103	0.24	6.14	6.06	5.98	6.14	105	0.37	2
PIF [L/s]	-	-	9.95	8.37	9.24	9.95	-	-	10.36	9.86	9.46	10.36	-	-	4
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))													
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))													
System Interpretation	Pre	Normal Spirometry													
	Post	Normal Spirometry													



n dd Medical Technologies
Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	COPD	No
		BMI	25.5		



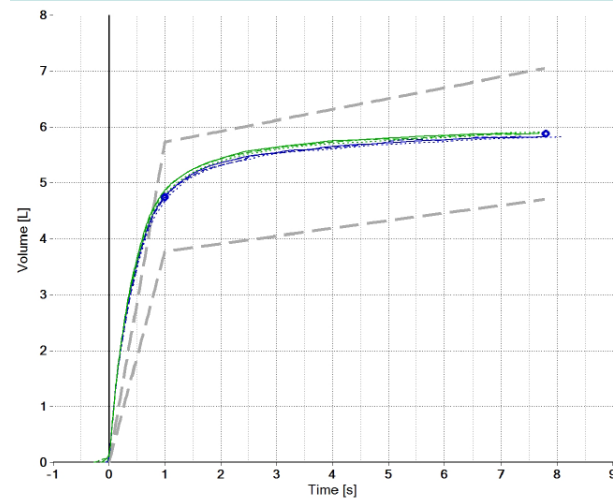
n dd Medizintechnik AG EasyOne Connect [3.7.1.9/3.5.0.5] (en) / PC-Sensor [2.0.0.0] SN 229438

n ddReportForcedLarge 2/3

n dd Medical Technologies
Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	COPD	No
		BMI	25.5		



n dd Medizintechnik AG EasyOne Connect [3.7.1.9/3.5.0.5] (en) / PC-Sensor [2.0.0.0] SN 229438

n ddReportForcedLarge 3/3

3.6 MVV

n dd Medical Technologies

Zurich, Switzerland

Smith, Peter

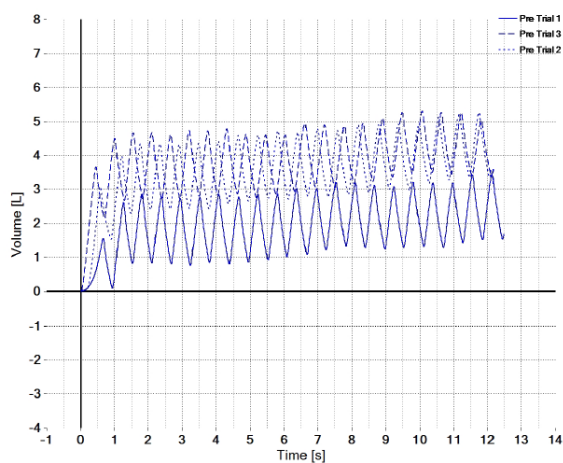
ID: PSM-11213 Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

MVV

Test Date	08.01.2019 14:11:43	Interpretation	--	Value Selection	Best Value
Post Time		Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

Parameter	Pred	LLN	Pre				%Pred	Z-Score
			Best	Trial 1	Trial 3	Trial 2		
MVV [L/min]	154.0	-	190.7	190.7	188.0	186.9	124	-
MVV ₆ [L/min]	-	-	186.5	186.5	191.7	181.2	-	-
MVV time [s]	-	-	12.5	12.5	12.1	12.1	-	-
VT [L]	-	-	1.86	1.88	1.82	1.88	-	-
Rf [1/min]	-	-	96.4	96.4	98.9	94.4	-	-
Session Quality	Pre	-						



3.7 SVC

n dd Medical Technologies

Zurich, Switzerland

Smith, Peter

ID: PSM-11213

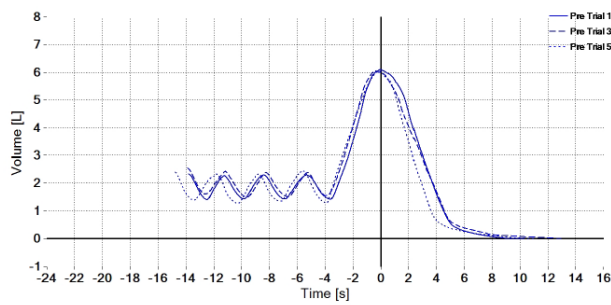
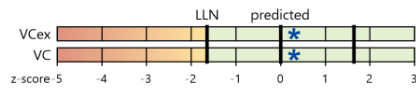
Age: 35 (08.11.1983)

Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

SVC

Test Date	08.01.2019 13:56:48	Interpretation	--	Value Selection	Best Value
Post Time		Predicted	Quanjer (GLI), 2012	BTPS (IN/EX)	1.12/1.02

Parameter	Pred	LLN	Pre				%Pred	Z-Score	
			Best	Trial 1	Trial 3	Trial 5			
VC [L]	5.88	4.71	6.10	6.10	6.05	6.03	104	0.30	
VCex [L]	5.88	4.71	6.10	6.10	6.05	6.03	104	0.30	
VCin [L]	5.88	4.71	-	-	-	-	-	-	
IRV [L]	-	-	3.71	3.81	3.62	3.69	-	-	
IC [L]	-	-	4.63	4.68	4.52	4.70	-	-	
VT [L]	-	-	0.93	0.88	0.89	1.01	-	-	
Rf [1/min]	-	-	21.4	21.4	20.4	19.3	-	-	
Session Quality	Pre	A (VC Var=0.05L (0.8%))							



3.8 DLCO

n dd Medical Technologies

Zurich, Switzerland

Smith, Peter

ID: PSM-11213 Age: 35 (08.11.1983)

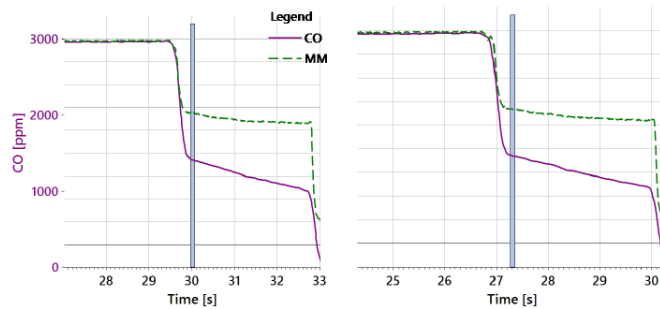
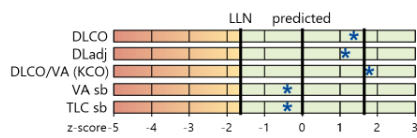
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

DLCO

Test Date	08.01.2019 15:40:36	Interpretation	--	Value Selection	Best Value
Post Time		Predicted	Stanojevic (GLI), 2017	BTPS (IN/EX)	1.12/1.02
				User ID	

Parameter	Pred	LLN	Result	Trial 1	Trial 2	%Pred	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	41.8	40.3	118	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	40.7	39.3	115	1.15
VA sb [L]	7.35	6.02	7.04	7.04	7.05	96	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	5.94	5.71	123	1.80
TLC sb [L]	7.50	6.17	7.19	7.19	7.20	96	-0.38
VI [L]	-	-	6.09	6.15	6.02	-	-
BHT [s]	-	-	-	9.6	9.6	-	-
VT [L]	-	-	-	-	-	-	-

Session Quality B (DLCO Var=1.48ml/min/mmHg (3.6%))



3.9 MBW

n dd Medical Technologies Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

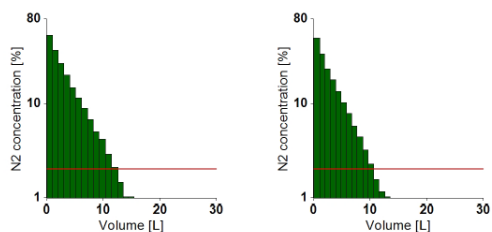
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg BMI 25.5	COPD	No
Smoker	No				

MBW

Test Date	08.01.2019 15:11:18	Interpretation	--	Value Selection	Best Value
Post Time		Predicted	Stanojevic (GLI), 2017	BTPS (IN/EX)	1.11/1.02

Parameter	Pred	LLN	Result	Trial 1	Trial 2	%Pred	Z-Score
FRC mb [L]	-	-	1.81	1.97	1.64	-	-
LCI	6.05	6.59	6.95*	6.83*	7.07*	115	-2.73
CEV [L]	-	-	12.53	13.48	11.58	-	-
Rf [l/min]	-	-	11.4	11.4	11.3	-	-
VT [L]	-	-	0.98	1.02	0.94	-	-

* Indicates value outside normal range or significant post change.
Session Quality A (FRC mb Var=0.17L (9.3%); LCI Var=0.12 (1.7%))



3.10 Summary

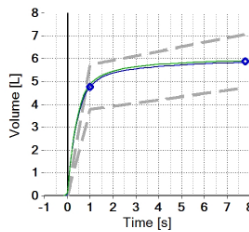
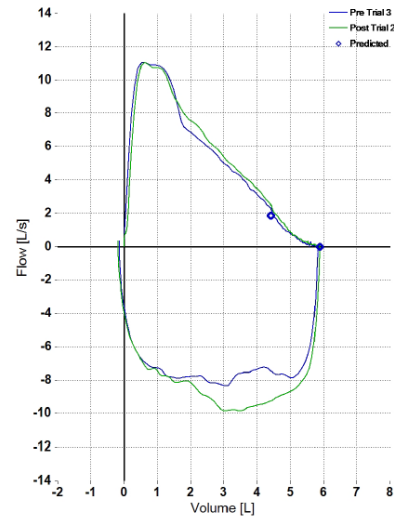
ndd Medical Technologies
Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)
 Gender: Male Height: 184.9 cm Asthma: Yes
 Ethnicity: Caucasian Weight: 87 kg BMI: 25.5 COPD: No
 Smoker: No

FVL (ex/in) Your FEV1 / Predicted: 100%

Test Date: 08.01.2019 14:07:38 Predicted: Quanjer (GLI), 2012

Parameter	Pred	LLN	Pre			Post			%Chg
			Best	%Pred	Z-Score	Best	%Pred	Z-Score	
FVC [L]	5.88	4.71	5.83	99	-0.06	5.91	101	0.05	1
FEV1 [L]	4.75	3.77	4.75	100	0.00	4.86	102	0.18	2
FEV1/FVC	0.812	0.706	0.814	100	0.04	0.821	101	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	101	0.03	4.95	107	0.29	6
PEF [L/s]	-	-	11.65	-	-	11.45	-	-	-2
FET [s]	-	-	7.8	-	-	7.7	-	-	-1
FIVC [L]	5.88	4.71	6.05	103	0.24	6.14	105	0.37	2
PIF [L/s]	-	-	9.95	-	-	10.36	-	-	4
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))							
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))							
System Interpretation	Pre	Normal Spirometry							
	Post	Normal Spirometry							



DLCO

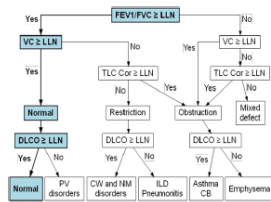
Test Date: 08.01.2019 15:40:36 Predicted: Stanojevic (GLI), 2017

Parameter	Pred	LLN	Result	%Pred	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	118	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	115	1.15
VA sb [L]	7.35	6.02	7.04	96	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	123	1.80
TLC sb [L]	7.50	6.17	7.19	96	-0.38
VI [L]	-	-	6.09	-	-
BHT [s]	-	-	-	-	-
VT [L]	-	-	-	-	-
Session Quality	B (DLCO Var=1.48ml/min/mmHg (3.6%))				

SVC

Test Date: 08.01.2019 13:56:48 Predicted: Quanjer (GLI), 2012

Parameter	Pred	LLN	Best	%Pred	Z-Score
VC [L]	5.88	4.71	6.10	104	0.30
VCex [L]	5.88	4.71	6.10	104	0.30
VCin [L]	5.88	4.71	-	-	-
IRV [L]	-	-	3.71	-	-
IC [L]	-	-	4.63	-	-
VT [L]	-	-	0.93	-	-
Rf [1/min]	-	-	21.4	-	-
Session Quality	Pre	A (VC Var=0.05L (0.8%))			



Comment

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

3.11 Summary 2 pages

n dd Medical Technologies

Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

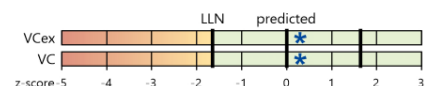
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
Smoker	No			COPD	No

SVC

Test Date: 08.01.2019 13:56:48 Predicted: Quanjer (GLI), 2012

Parameter	Pred	LLN	Pre		
			Best	%Pred	Z-Score
VC [L]	5.88	4.71	6.10	104	0.30
VCex [L]	5.88	4.71	6.10	104	0.30
VCin [L]	5.88	4.71	-	-	-
IRV [L]	-	-	3.71	-	-
IC [L]	-	-	4.63	-	-
VT [L]	-	-	0.93	-	-
Rf [1/min]	-	-	21.4	-	-

Session Quality Pre A (VC Var=0.05L (0.8%))



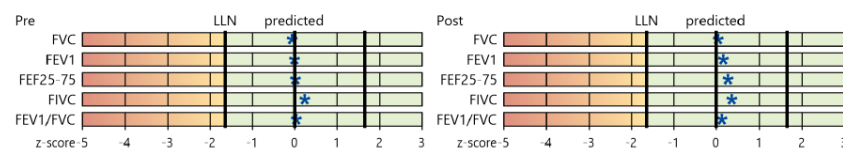
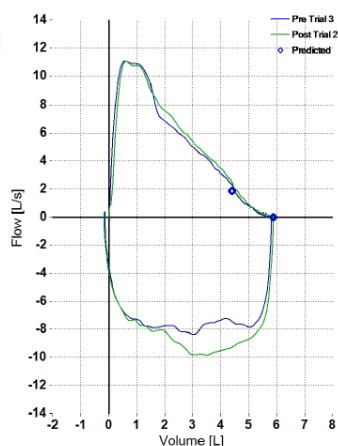
FVL (ex/in)

Your FEV1 / Predicted: 100%

Test Date: 08.01.2019 14:07:38 Predicted: Quanjer (GLI), 2012

Parameter	Pred	LLN	Pre			Post			%Chg
			Best	%Pred	Z-Score	Best	%Pred	Z-Score	
FVC [L]	5.88	4.71	5.83	99	-0.06	5.91	101	0.05	1
FEV1 [L]	4.75	3.77	4.75	100	0.00	4.86	102	0.18	2
FEV1/FVC	0.812	0.706	0.814	100	0.04	0.821	101	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	101	0.03	4.95	107	0.29	6
PEF [L/s]	-	-	11.65	-	-	11.45	-	-	-2
FET [s]	-	-	7.8	-	-	7.7	-	-	-1
FIVC [L]	5.88	4.71	6.05	103	0.24	6.14	105	0.37	2
PIF [L/s]	-	-	9.95	-	-	10.36	-	-	4

Session Quality Pre A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))
 Post A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))
 System Interpretation Pre Normal Spirometry
 Post Normal Spirometry



n dd Medical Technologies
Zurich, Switzerland

Smith, Peter ID: PSM-11213 Age: 35 (08.11.1983)

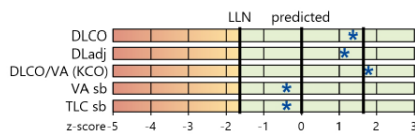
Gender	Male	Height	184.9 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	87 kg	BMI	25.5
				COPD	No

DLCO

Test Date: 08.01.2019 15:40:36 Predicted: Stanojevic (GLI), 2017

Parameter	Pred	LLN	Result	%Pred	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	118	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	115	1.15
VA sb [L]	7.35	6.02	7.04	96	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	123	1.80
TLC sb [L]	7.50	6.17	7.19	96	-0.38
VI [L]	-	-	6.09	-	-
BHT [s]	-	-	-	-	-
VT [L]	-	-	-	-	-

Session Quality B (DLCO Var=1.48ml/min/mmHg (3.6%))



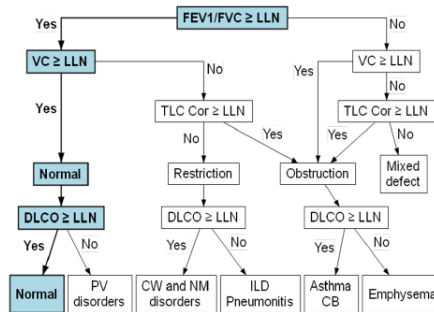
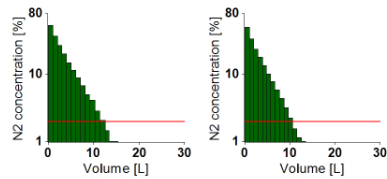
MBW

Test Date: 08.01.2019 15:11:18 Predicted: Stanojevic (GLI), 2017

Parameter	Pred	LLN	Result	%Pred	Z-Score
FRC mb [L]	-	-	1.81	-	-
LCI	6.05	6.59	6.95*	115	-2.73
CEV [L]	-	-	12.53	-	-
Rf [1/min]	-	-	11.4	-	-
VT [L]	-	-	0.98	-	-

* Indicates value outside normal range or significant post change.

Session Quality A (FRC mb Var=0.17L (9.3%); LCI Var=0.12 (1.7%))



System Summary Interpretation

Normal DLCO.

Comment

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

Physician Signature

3.12 Provocation

ndd Medical Technologies Zurich, Switzerland

Smith, Peter

ID: PSM-11213 Age: 44 (08.11.1968)

Gender	Male	Height	182 cm	Asthma	Yes
Ethnicity	Caucasian	Weight	80 kg	BMI	24.2
Smoker	No			COPD	No

Provocation, FVC Tidal

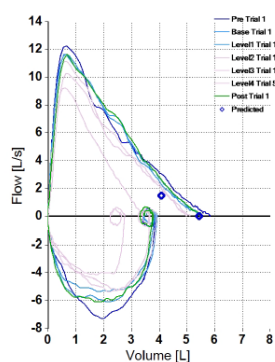
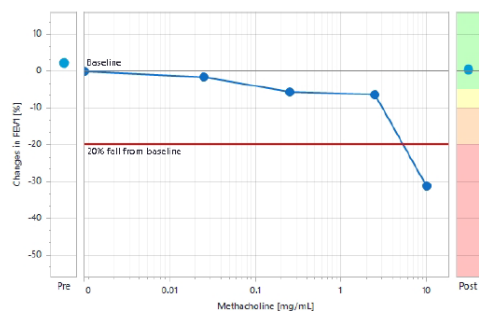
Your FEV1 / Predicted: 112%;

Test Date	11.07.2013 13:06:44	BTPS (IN/EX)	1.12/1.02
Predicted	Quanjer (GLI), 2012		

Provocation - Methacholine (USA PI)

PC20: 5.37 mg/mL

Concentration	Administer Time	FEV1	Test Time	Δ Step [%]	Δ Base [%]
Pre	13:06	4.81 L	13:07		
0 mg/mL	13:07	4.70 L	13:08	-2.2 %	
0.025 mg/mL	13:08	4.63 L	13:08	-1.6 %	-1.6 %
0.25 mg/mL	13:08	4.44 L	13:09	-4.0 %	-5.5 %
2.5 mg/mL	13:09	4.41 L	13:09	-0.8 %	-6.3 %
10 mg/mL	13:09	3.24 L	13:14	-26.6 %	-31.2 %
Post	13:14	4.73 L	13:14		0.6 %



MZ 10.01.2014

Challenge test example

3.13 Trend

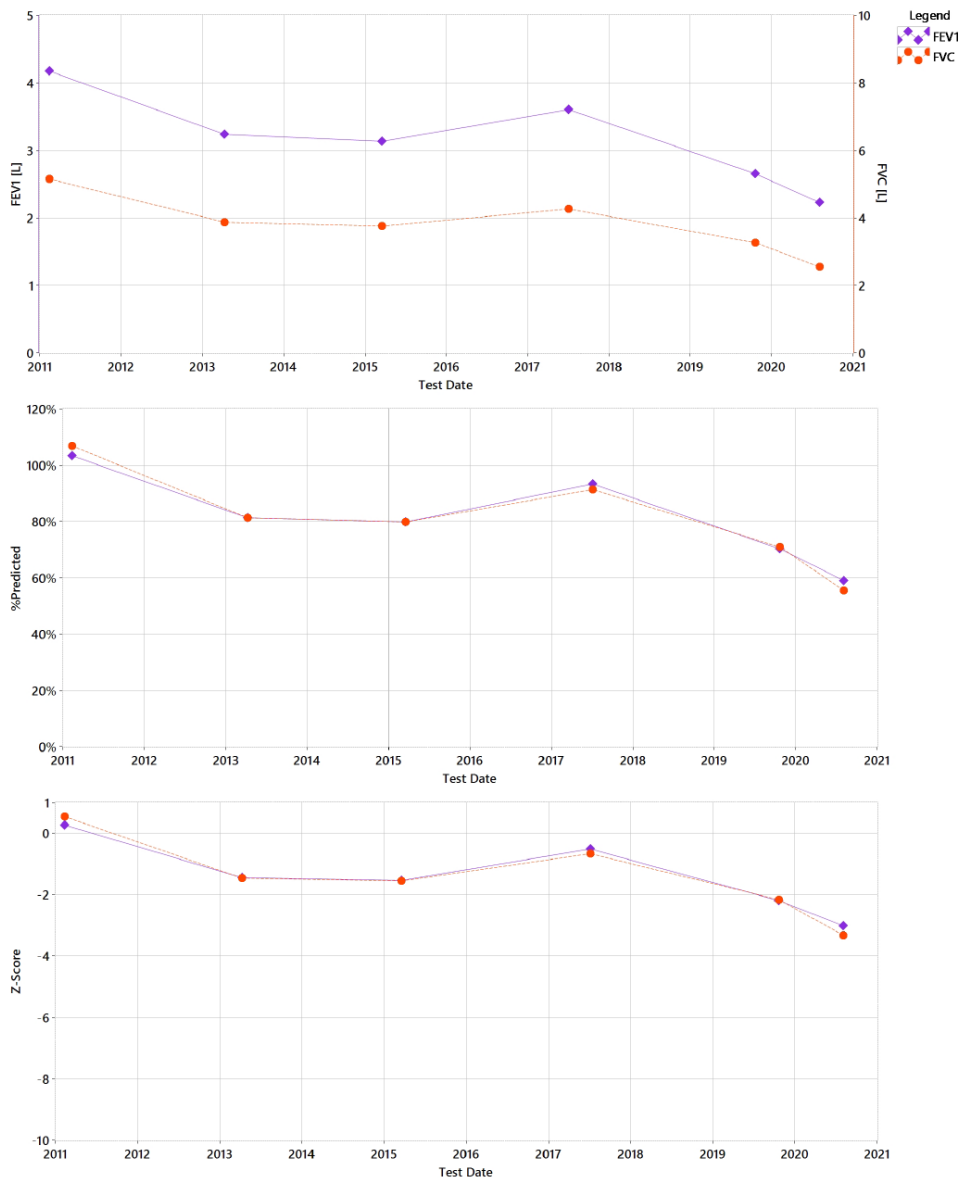
n dd Medical Technologies
Zurich, Switzerland

PETER, SMITH

ID: 136 Age: 42 (13.10.1977)

Gender	Male	Height	174 cm	Asthma	No
Ethnicity	Caucasian	Weight	78 kg	BMI	25.8
Smoker	No			COPD	--

Trend



4 Additional Report Templates

4.1 Forced – Spiro shows Fletcher always

ndd Medical Technologies
Zurich, Switzerland

Patient Information

Name: Smith, Peter
ID: PSM-11213
Age: 35 (08.11.1983)
Height: 184.9 cm
Weight: 87 kg BMI: 25.5
Gender: Male
Ethnicity: Caucasian
Asthma: Yes
Smoker: No

Test Information

Test Type: FVL (ex/in)
Test Date: 08.01.2019 14:07:38
Post Time: 08.01.2019 14:10:04
Interpretation: GOLD(2008)/Hardie
Predicted: Quanjer (GLI), 2012
Value Selection: Best Value
BTPS (IN/EX): 1.12/1.02
User ID:

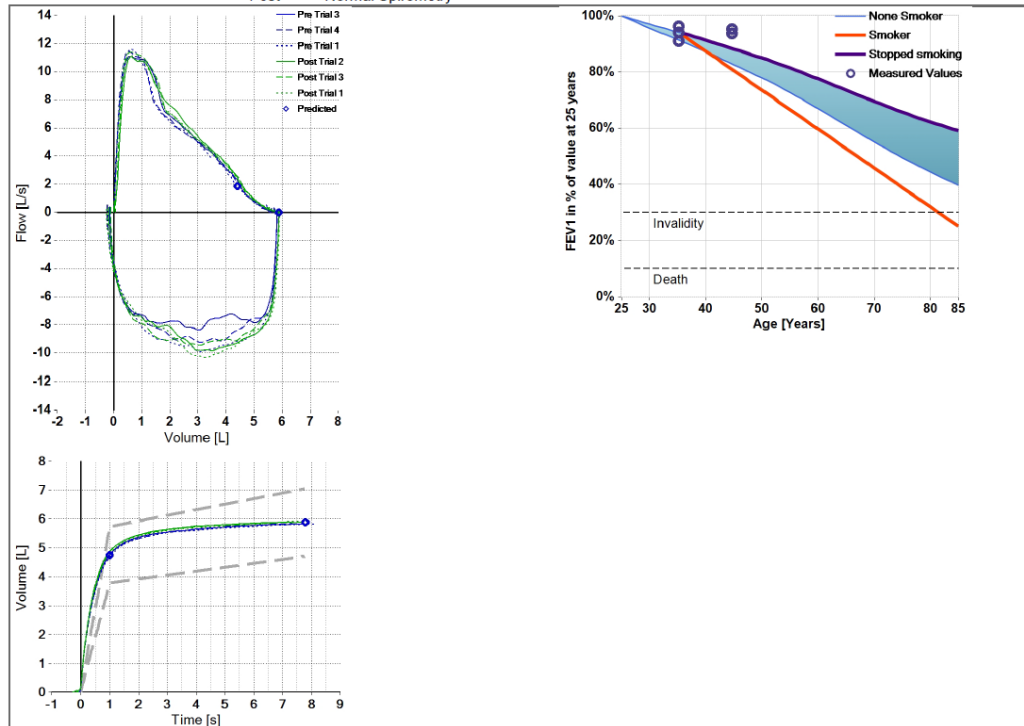
Test Result

Your FEV1 / Predicted: 100%

Parameter	Pred	Pre				Post				Z-Score	%Chg		
		LLN	Best	Trial 3	Trial 4	Best	Trial 2	Trial 3	Trial 1				
FVC [L]	5.88	4.71	5.83	5.82	5.83	5.82	-0.06	5.91	5.89	5.88	5.91	0.05	1
FEV1 [L]	4.75	3.77	4.75	4.75	4.73	4.67	0.00	4.86	4.86	4.84	4.78	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.816	0.810	0.801	0.04	0.821	0.825	0.822	0.809	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	4.65	4.56	4.35	0.03	4.95	4.95	4.78	4.63	0.29	6
PEF [L/s]	-	-	11.65	11.08	11.52	11.65	-	11.45	11.09	11.45	11.44	-	-2
FET [s]	-	-	7.8	7.8	7.3	8.1	-	7.7	7.7	7.7	7.9	-	-1
FIVC [L]	5.88	4.71	6.05	5.96	6.05	6.01	0.24	6.14	6.06	5.98	6.14	0.37	2
PIF [L/s]	-	-	9.95	8.37	9.24	9.95	-	10.36	9.86	9.46	10.36	-	4
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))											
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))											

System Interpretation

Pre Normal Spirometry
Post Normal Spirometry



Last Reviewer: John Doe 03.08.2020
Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.2 NIOSH-CWHSP Report

ndd Medical Technologies
Zurich, Switzerland

Name Smith, Peter ID PSM-11213 Test Date 08.01.2019 14:07:38

Name	Smith, Peter	Test Date	08.01.2019 14:07:38
ID	PSM-11213	Last Calibration Check	
Age	35 (08.11.1983)	Device Information	PC-Sensor [2.0.0.0]
Gender	Male	Device Information	SN 229438
Height	184.9 cm	BTPS (IN/EX)	1.12/1.02
Weight	87 kg	Predicted	Quanjer (GLI), 2012
Ethnicity	Caucasian	Ordered by	
Smoker	No	Referred by	
Comment		User ID	

Parameter	Pred	LLN	Pre			Z-Score	
			Best	Trial 3	Trial 4		Trial 1
FVC [L]	5.88	4.71	5.83	5.82	5.83	5.82	-0.06
FEV1 [L]	4.75	3.77	4.75	4.75	4.73	4.67	0.00
FEV1/FVC	0.812	0.706	0.814	0.816	0.810	0.801	0.04
FEF25-75 [L/s]	4.62	2.78	4.65	4.65	4.56	4.35	0.03
FEV6 [L]	-	-	5.77	5.77	5.76	5.73	-
FEV1/FEV6	-	-	0.824	0.824	0.820	0.813	-
PEF [L/s]	-	-	11.65	11.08	11.52	11.65	-
FET [s]	-	-	7.8	7.8	7.3	8.1	-
BEV [L]	-	-	-	0.09	0.08	0.09	-
Amb. Pressure [hPa]	-	-	-	966	966	966	-
Amb. Temperature [°F]	-	-	-	68	68	68	-
Amb. Humidity [%]	-	-	-	50	50	50	-
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))					
System Interpretation	Pre	Normal Spirometry					

John Doe 03.08.2020

Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.3 DLCO – Quality Off

ndd Medical Technologies
Zurich, Switzerland

Patient Information

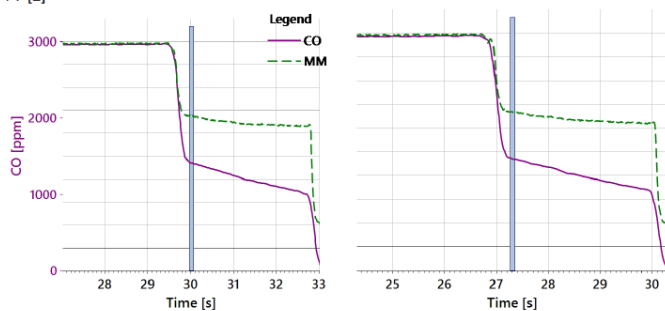
Name Smith, Peter
ID PSM-11213
Age 35 (08.11.1983)
Height 184.9 cm
Weight 87 kg
BMI 25.5
Gender Male
Ethnicity Caucasian
Smoker No

Test Information

Test Type DLCO
Test Date 08.01.2019 15:40:36
Post Time
Interpretation --
Predicted Stanojevic (GLI), 2017
Value Selection Best Value
BTPS (IN/EX) 1.12/1.02

Test Result

Parameter	Pred	LLN	Result	Trial 1	Trial 2	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	41.8	40.3	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	40.7	39.3	1.15
VA sb [L]	7.35	6.02	7.04	7.04	7.05	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	5.94	5.71	1.80
TLC sb [L]	7.50	6.17	7.19	7.19	7.20	-0.38
VI [L]	-	-	6.09	6.15	6.02	-
BHT [s]	-	-	-	9.6	9.6	-
VT [L]	-	-	-	-	-	-



4.4 DLCO – t35

ndd Medical Technologies
Zurich, Switzerland

Patient Information

Name Smith, Peter
ID PSM-11213
Age 35 (08.11.1983)
Height 184.9 cm
Weight 87 kg
BMI 25.5
Gender Male
Ethnicity Caucasian
Smoker No

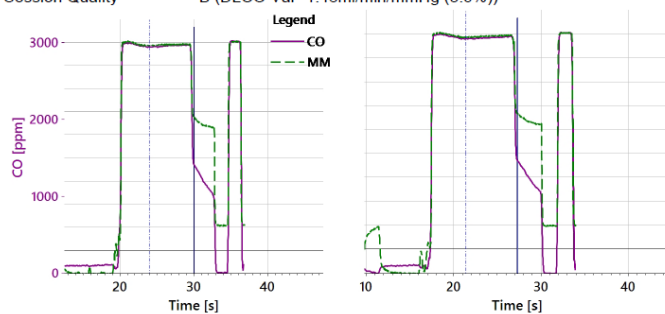
Test Information

Test Type DLCO
Test Date 08.01.2019 15:40:36
Post Time
Interpretation --
Predicted Stanojevic (GLI), 2017
Value Selection Best Value
BTPS (IN/EX) 1.12/1.02

Test Result

Parameter	Pred	LLN	Result	Trial 1	Trial 2	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	41.8	40.3	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	40.7	39.3	1.15
VA sb [L]	7.35	6.02	7.04	7.04	7.05	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	5.94	5.71	1.80
TLC sb [L]	7.50	6.17	7.19	7.19	7.20	-0.38
VI [L]	-	-	6.09	6.15	6.02	-
BHT [s]	-	-	-	9.6	9.6	-
VT [L]	-	-	-	-	-	-

Session Quality B (DLCO Var=1.48ml/min/mmHg (3.6%))



4.5 DLCO – without Graphics

n dd Medical Technologies
Zurich, Switzerland

Patient Information

Name Smith, Peter
ID PSM-11213
Age 35 (08.11.1983)
Height 184.9 cm
Weight 87 kg
BMI 25.5
Gender Male
Ethnicity Caucasian
Smoker No

Test Information

Test Type DLCO
Test Date 08.01.2019 15:40:36
Post Time
Interpretation --
Predicted Stanojevic (GLI), 2017
Value Selection Best Value
BTPS (IN/EX) 1.12/1.02

Test Result

Parameter	Pred	LLN	Result	Trial 1	Trial 2	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	41.8	40.3	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	40.7	39.3	1.15
VA sb [L]	7.35	6.02	7.04	7.04	7.05	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	5.94	5.71	1.80
TLC sb [L]	7.50	6.17	7.19	7.19	7.20	-0.38
VI [L]	-	-	6.09	6.15	6.02	-
BHT [s]	-	-	-	9.6	9.6	-
VT [L]	-	-	-	-	-	-
Session Quality	B (DLCO Var=1.48ml/min/mmHg (3.6%))					

4.6 FRC – Detail Report

n dd Medical Technologies
Zurich, Switzerland

Patient Information

Name Smith, Peter
 ID PSM-11213
 Age 35 (08.11.1983)
 Height 184.9 cm
 Weight 87 kg BMI 25.5
 Gender Male
 Ethnicity Caucasian

Test Information

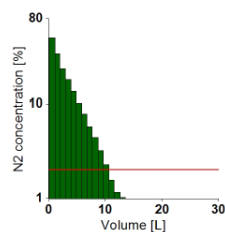
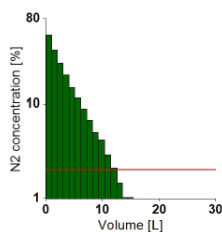
Test Type MBW
 Test Date 08.01.2019 15:11:18
 Post Time --
 Interpretation --
 Predicted Stanojevic (GLI), 2017
 Value Selection Best Value
 BTPS (IN/EX) 1.11/1.02

Test Result

Parameter	Pred	LLN	Result	Trial 1	Trial 2	Z-Score
FRC mb [L]	-	-	1.81	1.97	1.64	-
LCI	6.05	6.59	6.95*	6.83*	7.07*	-2.73
CEV [L]	-	-	12.53	13.48	11.58	-
Rf [l/min]	-	-	11.4	11.4	11.3	-
VT [L]	-	-	0.98	1.02	0.94	-

Session Quality A (FRC mb Var=0.17L (9.3%); LCI Var=0.12 (1.7%))

* Indicates value outside normal range or significant post change.



4.7 Summary – 3 Curves

n dd Medical Technologies
Zurich, Switzerland

Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg	BMI	25.5

FVL (ex/in)

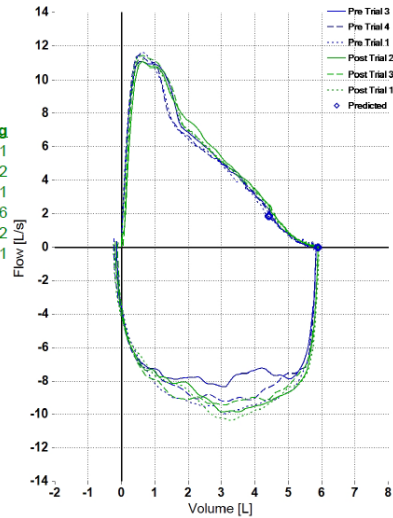
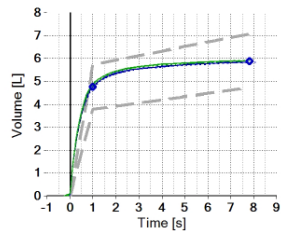
Your FEV1 / Predicted: 100%

Predicted	Test Date	Post Time
Quanjer (GLI), 2012	08.01.2019 14:07	08.01.2019 14:10

Parameter	Pred	LLN	Pre Best Z-Score	Post Best Z-Score	%Chg	
FVC [L]	5.88	4.71	5.83	-0.06	5.91 0.05	1
FEV1 [L]	4.75	3.77	4.75	0.00	4.86 0.18	2
FEV1/FVC	0.812	0.706	0.814	0.04	0.821 0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	0.03	4.95 0.29	6
PEF [L/s]	-	-	11.65	-	11.45	-2
FET [s]	-	-	7.8	-	7.7	-1

Session Quality Pre A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))
Post A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))

System Interpretation Pre Normal Spirometry
Post Normal Spirometry

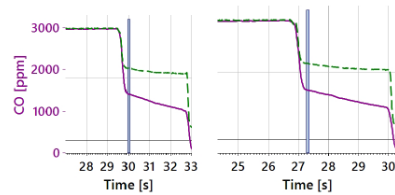


DLCO

Predicted Stanojevic (GLI), 2017
Test Date 08.01.2019 15:40

Parameter	Pred	LLN	Result Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0 1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0 1.15
VA sb [L]	7.35	6.02	7.04 -0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83 1.80
TLC sb [L]	7.50	6.17	7.19 -0.38
VI [L]	-	-	6.09

Session Quality B (DLCO Var=1.48ml/min/mmHg (3.6%))



SVC

Predicted Quanjer (GLI), 2012
Test Date 08.01.2019 13:56

Parameter	Pred	LLN	Pre Best Z-Score
VC [L]	5.88	4.71	6.10 0.30
VCex [L]	5.88	4.71	6.10 0.30
VCin [L]	5.88	4.71	-
IRV [L]	-	-	3.71
IC [L]	-	-	4.63
VT [L]	-	-	0.93

Session Quality Pre A (VC Var=0.05L (0.8%))

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.8 Summary – Best 3 Trials

ndd Medical Technologies
Zurich, Switzerland

Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg	BMI	25.5

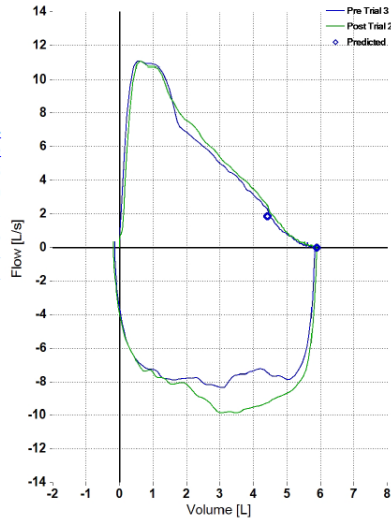
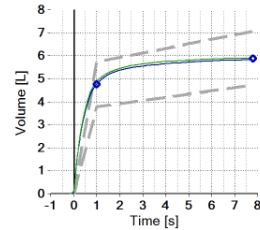
FVL (ex/in)

Your FEV1 / Predicted: 100%

Predicted: Quanjer (GLI), 2012
Test Date: 08.01.2019 14:07
Post Time: 08.01.2019 14:10

Parameter	Pred	LLN	Pre				Z-Score
			Best	Trial 3	Trial 4	Trial 1	
FVC [L]	5.88	4.71	5.83	5.82	5.83	5.82	-0.06
FEV1 [L]	4.75	3.77	4.75	4.75	4.73	4.67	0.00
FEV1/FVC	0.812	0.706	0.814	0.816	0.810	0.801	0.04
FEF25-75 [L/s]	4.62	2.78	4.65	4.65	4.56	4.35	0.03
PEF [L/s]	-	-	11.65	11.08	11.52	11.65	-
FET [s]	-	-	7.8	7.8	7.3	8.1	-

Session Quality: Pre
System Interpretation: Pre
Normal Spirometry
A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))

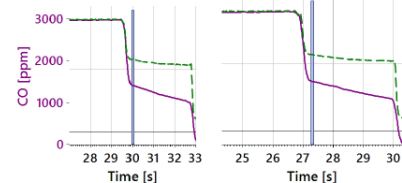


DLCO

Predicted: Stanojevic (GLI), 2017
Test Date: 08.01.2019 15:40

Parameter	Pred	LLN	Result	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	1.15
VA sb [L]	7.35	6.02	7.04	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	1.80
TLC sb [L]	7.50	6.17	7.19	-0.38
VI [L]	-	-	6.09	-

Session Quality: B (DLCO Var=1.48ml/min/mmHg (3.6%))



SVC

Predicted: Quanjer (GLI), 2012
Test Date: 08.01.2019 13:56

Parameter	Pred	LLN	Pre Best	Z-Score
VC [L]	5.88	4.71	6.10	0.30
VCex [L]	5.88	4.71	6.10	0.30
VCin [L]	5.88	4.71	-	-
IRV [L]	-	-	3.71	-
IC [L]	-	-	4.63	-
VT [L]	-	-	0.93	-

Session Quality: Pre
A (VC Var=0.05L (0.8%))

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.9 Summary – with Fletcher

n dd Medical Technologies
Zurich, Switzerland

Patient Information

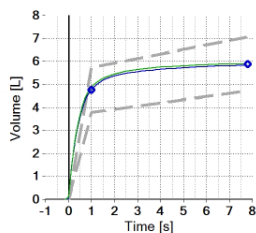
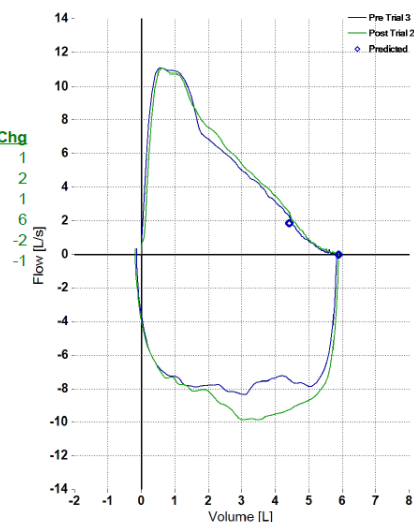
Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg	BMI	25.5

FVL (ex/in)

Your FEV1 / Predicted: 100%

Predicted	Test Date	Post Time
Quanjer (GLI), 2012	08.01.2019 14:07	08.01.2019 14:10

Parameter	Pred	LLN	Pre		Post		%Chg
			Best Z-Score	Best Z-Score	Best Z-Score	Best Z-Score	
FVC [L]	5.88	4.71	5.83	-0.06	5.91	0.05	1
FEV1 [L]	4.75	3.77	4.75	0.00	4.86	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.04	0.821	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	0.03	4.95	0.29	6
PEF [L/s]	-	-	11.65	-	11.45	-	-2
FET [s]	-	-	7.8	-	7.7	-	-1
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))					
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))					
System Interpretation	Pre	Normal Spirometry					
	Post	Normal Spirometry					



DLCO

Predicted	Test Date
Stanojevic (GLI), 2017	08.01.2019 15:40

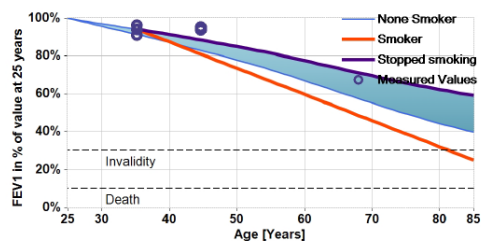
Parameter	Pred	LLN	Result Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0 1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0 1.15
VA sb [L]	7.35	6.02	7.04 -0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83 1.80
TLC sb [L]	7.50	6.17	7.19 -0.38
VI [L]	-	-	6.09 -
Session Quality	B (DLCO Var=1.48ml/min/mmHg (3.6%))		

SVC

Predicted	Test Date
Quanjer (GLI), 2012	08.01.2019 13:56

Parameter	Pred	LLN	Pre	
			Best Z-Score	Best Z-Score
VC [L]	5.88	4.71	6.10	0.30
VCex [L]	5.88	4.71	6.10	0.30
VCin [L]	5.88	4.71	-	-
IRV [L]	-	-	3.71	-
IC [L]	-	-	4.63	-
VT [L]	-	-	0.93	-
Session Quality	Pre	A (VC Var=0.05L (0.8%))		

n dd Medical Technologies
Zurich, Switzerland



John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.10 Summary – with MVV

n dd Medical Technologies
Zurich, Switzerland

Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg		
BMI	25.5		

FVL (ex/in)

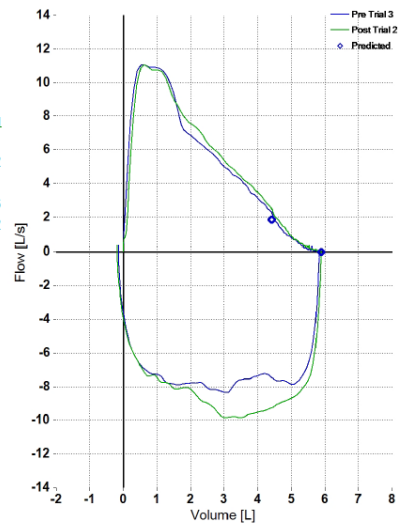
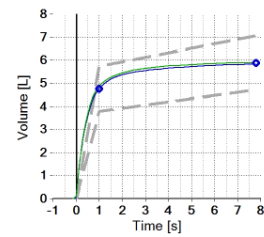
Your FEV1 / Predicted: 100%

Test Date 08.01.2019 14:07:38
Post Time 08.01.2019 14:10:04

Parameter	Pred	LLN	Pre		Post		%Chg
			Best Z-Score	Best Z-Score	Best Z-Score	Best Z-Score	
FVC [L]	5.88	4.71	5.83	-0.06	5.91	0.05	1
FEV1 [L]	4.75	3.77	4.75	0.00	4.86	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.04	0.821	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	0.03	4.95	0.29	6
PEF [L/s]	-	-	11.65	-	11.45	-	-2
FET [s]	-	-	7.8	-	7.7	-	-1

Session Quality Pre A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))
Post A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))

System Interpretation Pre Normal Spirometry
Post Normal Spirometry

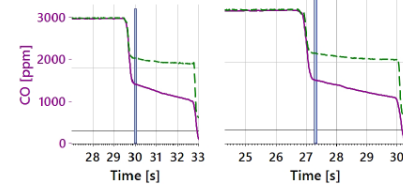


DLCO

Test Date 08.01.2019 15:40:36

Parameter	Pred	LLN	Result	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	1.15
VA sb [L]	7.35	6.02	7.04	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	1.80
TLC sb [L]	7.50	6.17	7.19	-0.38
VI [L]	-	-	6.09	-

Session Quality B (DLCO Var=1.48ml/min/mmHg (3.6%))



MVV

Test Date 08.01.2019 14:11:43

Parameter	Pred	LLN	Pre Best Z-Score
MVV [L/min]	154.0	-	190.7
MVV6 [L/min]	-	-	186.5
MVV time [s]	-	-	12.5
VT [L]	-	-	1.86
Rf [1/min]	-	-	96.4

Session Quality Pre --

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.11 Summary – No Interpretation

n dd Medical Technologies
Zurich, Switzerland

Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg	BMI	25.5
		User ID	

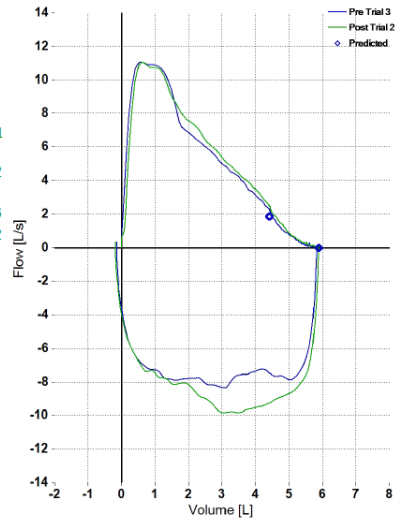
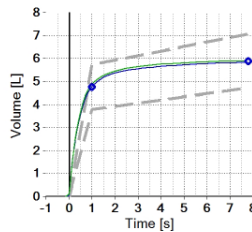
FVL (ex/in)

Your FEV1 / Predicted: 100%

Predicted	Test Date	Post Time
Quanjer (GLI), 2012	08.01.2019 14:07	08.01.2019 14:10

Parameter	Pred	LLN	Pre Best Z-Score	Post Best Z-Score	%Chg		
FVC [L]	5.88	4.71	5.83	-0.06	5.91	0.05	-1
FEV1 [L]	4.75	3.77	4.75	0.00	4.86	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.04	0.821	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	0.03	4.95	0.29	6
PEF [L/s]	-	-	11.65	-	11.45	-	-2
FET [s]	-	-	7.8	-	7.7	-	-1

Session Quality Pre A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))
Post A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))

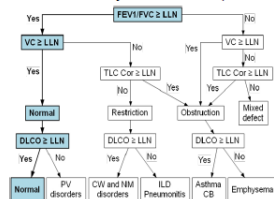


DLCO

Predicted Stanojevic (GLI), 2017
Test Date 08.01.2019 15:40

Parameter	Pred	LLN	Result	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	1.15
VA sb [L]	7.35	6.02	7.04	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	1.80
TLC sb [L]	7.50	6.17	7.19	-0.38
VI [L]	-	-	6.09	-

Session Quality B (DLCO Var=1.48ml/min/mmHg (3.6%))



John Doe 03.08.2020

Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

SVC

Predicted Quanjer (GLI), 2012
Test Date 08.01.2019 13:56

Parameter	Pred	LLN	Pre Best Z-Score	
VC [L]	5.88	4.71	6.10	0.30
VCex [L]	5.88	4.71	6.10	0.30
VCin [L]	5.88	4.71	-	-
IRV [L]	-	-	3.71	-
IC [L]	-	-	4.63	-
VT [L]	-	-	0.93	-

Session Quality Pre A (VC Var=0.05L (0.8%))

4.12 Summary – No Quality, No Interpretation

n dd Medical Technologies
Zurich, Switzerland

Patient Information

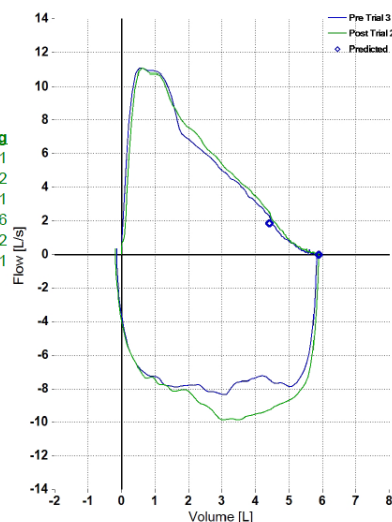
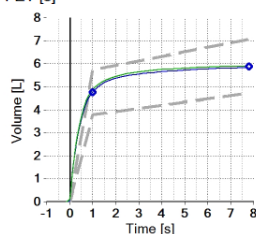
Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg	BMI	25.5

FVL (ex/in)

Your FEV1 / Predicted: 100%

Predicted	Test Date	Post Time
Quanjer (GLI), 2012	08.01.2019 14:07	08.01.2019 14:10

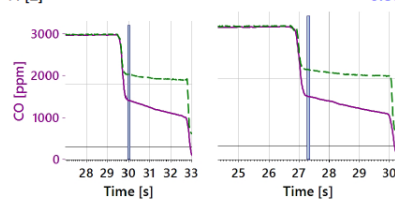
Parameter	Pred	LLN	Pre		Post		%Chg
			Best Z-Score	-	Best Z-Score	-	
FVC [L]	5.88	4.71	5.83	-0.06	5.91	0.05	1
FEV1 [L]	4.75	3.77	4.75	0.00	4.86	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.04	0.821	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	0.03	4.95	0.29	6
PEF [L/s]	-	-	11.65	-	11.45	-	-2
FET [s]	-	-	7.8	-	7.7	-	-1



DLCO

Predicted	Test Date
Stanojevic (GLI), 2017	08.01.2019 15:40

Parameter	Pred	LLN	Result	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	1.15
VA sb [L]	7.35	6.02	7.04	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	1.80
TLC sb [L]	7.50	6.17	7.19	-0.38
VI [L]	-	-	6.09	-



SVC

Predicted	Test Date
Quanjer (GLI), 2012	08.01.2019 13:56

Parameter	Pred	LLN	Pre	
			Best Z-Score	-
VC [L]	5.88	4.71	6.10	0.30
VCex [L]	5.88	4.71	6.10	0.30
VCin [L]	5.88	4.71	-	-
IRV [L]	-	-	3.71	-
IC [L]	-	-	4.63	-
VT [L]	-	-	0.93	-

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

4.13 Summary – 2 pages – Quality Off, Interpretation Off

ndd Medical Technologies
Zurich, Switzerland

Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Asthma	Yes
Height	184.9 cm		
Weight	87 kg	BMI	25.5
Smoker	No		

SVC

Predicted
Quanjer (GLI), 2012

Test Date
08.01.2019 13:56

Parameter	Pred	LLN	Pre	
			Best Z-Score	
VC [L]	5.88	4.71	6.10	0.30
VCex [L]	5.88	4.71	6.10	0.30
VCin [L]	5.88	4.71	-	-
IRV [L]	-	-	3.71	-
IC [L]	-	-	4.63	-
VT [L]	-	-	0.93	-

FVL (ex/in)

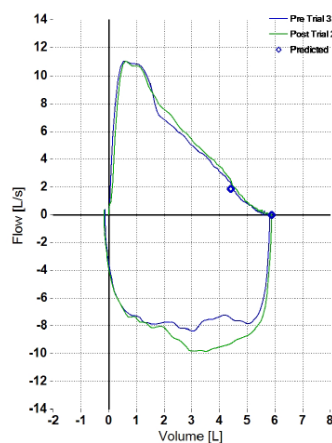
Your FEV1 / Predicted: 100%

Predicted
Quanjer (GLI), 2012

Test Date
08.01.2019 14:07

Post Time
08.01.2019 14:10

Parameter	Pred	LLN	Pre		Post		%Chg
			Best Z-Score		Best Z-Score		
FVC [L]	5.88	4.71	5.83	-0.06	5.91	0.05	1
FEV1 [L]	4.75	3.77	4.75	0.00	4.86	0.18	2
FEV1/FVC	0.812	0.706	0.814	0.04	0.821	0.15	1
FEF25-75 [L/s]	4.62	2.78	4.65	0.03	4.95	0.29	6
PEF [L/s]	-	-	11.65	-	11.45	-	-2
FET [s]	-	-	7.8	-	7.7	-	-1



DLCO

Predicted
Stanojevic (GLI), 2017

Test Date
08.01.2019 15:40

Parameter	Pred	LLN	Result	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	1.15
VA sb [L]	7.35	6.02	7.04	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	1.80
TLC sb [L]	7.50	6.17	7.19	-0.38
VI [L]	-	-	6.09	-

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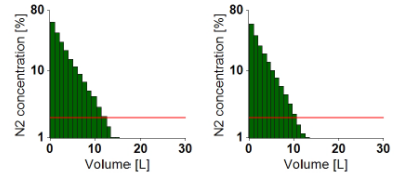
Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Asthma	Yes

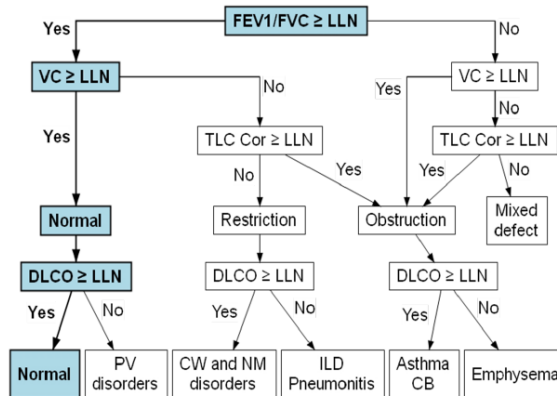
MBW

	Predicted	Test Date
	Stanojevic (GL), 2017	08.01.2019 15:11

Parameter	Pred	LLN	Result	Z-Score
FRC mb [L]	-	-	1.81	-
LCI	6.05	6.59	6.95*	-2.73
CEV [L]	-	-	12.53	-
Rf [1/min]	-	-	11.4	-
VT [L]	-	-	0.98	-



* Indicates value outside normal range or significant post change.



System Summary Interpretation

Normal DLCO.

John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

Physician Signature

4.14 Summary – 2 pages (patient info on each page)

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Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No
Height	184.9 cm	Asthma	Yes
Weight	87 kg	BMI	25.5
		User ID	

DLCO

Predicted: Stanojevic (GLI), 2017
Test Date: 08.01.2019 15:40

Parameter	Pred	LLN	Result	Z-Score
DLCO [ml/min/mmHg]	34.7	27.2	41.0	1.38
DLadj [ml/min/mmHg]	34.7	27.2	40.0	1.15
VA sb [L]	7.35	6.02	7.04	-0.38
DLCO/VA (KCO) [ml/min/mmHg/L]	4.74	3.75	5.83	1.80
TLC sb [L]	7.50	6.17	7.19	-0.38
VI [L]	-	-	6.09	-
Session Quality	B (DLCO Var=1.48ml/min/mmHg (3.6%))			

SVC

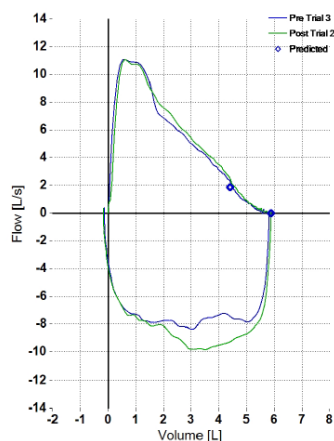
Predicted: Quanjer (GLI), 2012
Test Date: 08.01.2019 13:56

Parameter	Pred	LLN	Best Z-Score	Pre
VC [L]	5.88	4.71	6.10	0.30
VCex [L]	5.88	4.71	6.10	0.30
VCin [L]	5.88	4.71	-	-
IRV [L]	-	-	3.71	-
IC [L]	-	-	4.63	-
VT [L]	-	-	0.93	-
Session Quality	Pre	A (VC Var=0.05L (0.8%))		

FVL (ex/in)

Predicted: Quanjer (GLI), 2012
Test Date: 08.01.2019 14:07
Post Time: 08.01.2019 14:10
Your FEV1 / Predicted: 100%

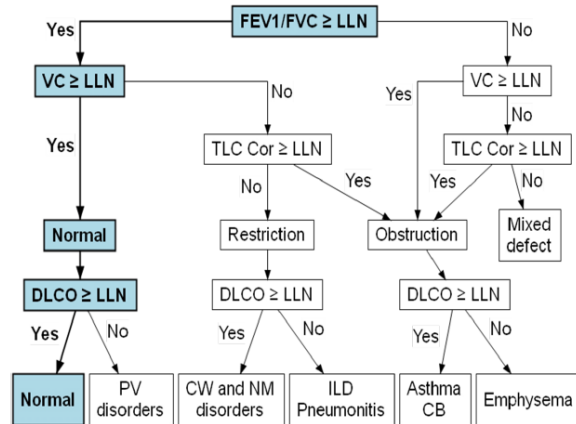
Parameter	Pred	LLN	Pre Best Z-Score	Post Best Z-Score	%Chg
FVC [L]	5.88	4.71	5.83	5.91	0.05
FEV1 [L]	4.75	3.77	4.75	4.86	0.18
FEV1/FVC	0.812	0.706	0.814	0.821	0.15
FEF25-75 [L/s]	4.62	2.78	4.65	4.95	0.29
PEF [L/s]	-	-	11.65	11.45	-
FET [s]	-	-	7.8	7.7	-
Session Quality	Pre	A (FEV1 Var=0.02L (0.5%); FVC Var=0.01L (0.2%))			
	Post	A (FEV1 Var=0.02L (0.4%); FVC Var=0.03L (0.5%))			
System Interpretation	Pre	Normal Spirometry			
	Post	Normal Spirometry			



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Patient Information

Name	Smith, Peter	Gender	Male
ID	PSM-11213	Ethnicity	Caucasian
Age	35 (08.11.1983)	Smoker	No



System Summary Interpretation

Normal DLCO.
John Doe 03.08.2020 Good patient cooperation. ATS acceptability and repeatability standards for spirometry met.

Physician Signature