



Notes in use

M55C

1 ) Handle the manikin carefully, like an actual patient. Excessive force or impact may damage the product or result in problems.

2) Don't mark on the manikin and other components with pen or leave any printed materials in contact with their surface. Ink marks of this sort will be permanent, due to pigment infiltration.

3) For cleaning, wipe the manikin with water or soap water. If stain persists, wipe with alcohol and when it has dried, powder the chest with talcum powder.

4) Store the manikin and other components away from high heat and direct sunlight.

5) When the manikin is used continually for a long period of time, it may encounter occasional malfunctions from overheating. In this case, shut the system down for about 30 minutes and restart.



### Connect each device

Connect each device according to the following instructions and diagram.



M55C



M55C

### Back side of the Terminal Box

Connect the corresponding cables to each section according to the figure below of the back view of the terminal box.



Since it is specifically designed for the provided PC unit, please do not use the outlet of the Terminal Box for any other electronic device.



### Side of Terminal Box

Connect each cable to suitable terminal carefully according to the figure of side of Terminal Box.



\*Since it is specifically designed for the provided PC unit, please do not use the outlet of the Terminal Box for any other electronic device.



M55C

Terminal side of PC

You may connect to any USB connectors of the terminal side of PC.



\* Although the location of the USB connections is subject to change according to the PC model, the properties of the connection itself do not change.



### Front side of Terminal Box



The pilot lamp lights up when every connection is made correctly and the power of PC is turned on.

Refer to system configuration 4, 6 regarding how to adjust these adjusters.



Q&A\_1

Q : The message "Please confirm the connection with the device" has appeared on the screen.

A : Please consider the following possibilities. 1. The terminal BOX is not connected to the PC with a USB cable. 2. The power (AC 110-240V) is not supplied to Terminal Box. \*Once the connection is established, click "OK" to close the message. (The message does not automatically disappear.)

Q: The message "It is within OO minutes to run out of battery" has appeared on the screen.

A : The PC is running on battery when it is disconnected from its power (AC100-240V). Connect the PC power cable to the outlet.



Q&A 2

Q: The screen has changed to Operation System (OS) mode/ The application program has frozen.

A : PC needs to be restarted. [The screen has changed to the OS mode] Click the "Menu (A)" icon at the bottom of screen. Choose the "Restart PC" bar on the opened menu and click "OK".

【The application program has frozen】 Press "Ctrl" key + "Alt" key + "Back space" key at simultaneously. If the screen has changed to the OS mode, restart your PC.

【The screen doesn't change to OS mode】 If you pressed "Ctrl" + "Alt" + "Back space" keys together but the screen did not change to the OS mode, press down on the power switch for more than 5 seconds to shut down the PC. Verify that the system has completely shut down, then press the power switch again to start the PC. % 1 The hard disk will make a small sound as it operates inside of the PC. Wait for the PC to become silent before turning it back on.

Don't shut down the PC this way after every use. If repeated, the PC may be damaged permanently. This way to shut down PC is only to be used when the application software has frozen.



Q&A\_3

Q: ECG sensors are malfunctioning.

A : When the manikin is stored under 50° F (10° C), ECG sensors might malfunction occasionally.

In this case, keep manikin at over 50° F (10° C) for a while and operate the system after it returns to room temperature.

# CE version doesn't include ECG sensors.



# How to quit Physiko

1) Click on the "Home" icon on the top right of each screen. Once the Top Menu page appears, click on "Quit" on the bottom right corner.

2) Click "Yes" to quit. The program ends and the PC shuts down automatically.







1) Click on the "System Configuration" button on the home screen of Physical Assessment Mode.

2) Various volume and sensitivity settings can be adjusted on this screen. When finished, click on "Home" at the top right corner of the screen.







### Volume setting

The window on left can be opened by click the "Volume Set" icon. Adjust the volume on the left side of the screen.

1) Move the slider left to right to adjust each volume. The volume becomes higher by moving it to the right. It becomes lower by moving it to the left.



2) Click "Save"-icon after changing volume setting.

3) Click on "Reset" to restore default setting.

4) Click on "Cancel" to cancel your adjustments.



### How to adjust the pupil light sensors 1

1) Click on the "System Configuration"-button on the home screen of Physical Assessment Mode.

2) When adjusting the pupil contraction and dilation Knobs on the Terminal Box, use this evaluation bar to set the pupillary sensitivity to the "Intermediate" range.





# How to adjust the pupil light sensors 2

3) Sensitivity setting for pupil contraction

To increase sensitivity, turn this knob counterclockwise. To decrease sensitivity, turn this knob clockwise.

4) Sensitivity setting for pupil dilation

To increase sensitivity, turn this knob clockwise. To decrease sensitivity, turn this knob counterclockwise.



Terminal Box



If the "!" logo lights up on the evaluation bar, this means that the surrounding light is too bright. To decrease the pupillary sensitivity, turn both knobs counterclockwise and re-adjust the sensors to a "Intermediate" range.



### How to adjust the microphone sensitivity

1) Click on the "System Configuration"-button on the home screen of Physical Assessment Mode.



2) When adjusting the microphone sensitivity, use this evaluation section to verify its setting. The "Audible" -sign will light up when the microphone detects sound, while the "Inaudible" sign will light up when the microphone detects no sound.





# How to adjust the microphone sensitivity

3)To increase sensitivity, turn this knob counterclockwise. To decrease sensitivity, turn this knob clockwise.





Login screen

It is necessary to register accounts to use "Physiko for Learning to Listen" mode. Users can log in with an ID and password as shown below. \*No need to log in for "Physical Assessment Mode."

Login screen     PHYSIKO     C Kroto kaaku     Priject oslanovine:     for Learning to Listen     Conserving of theory of theory of Cheage and Syste Ragana Co.138	٢
User ID Password	Login
Phisycal Assessment Mode	New User



"Learning to listen" has 3 modes. Home screens of administrator mode and Instructor mode have the same layout. Only the administrator is allowed to create Instructor accounts.

	Administrator	Instructor	Student
Browse Account Information	$\checkmark$	$\checkmark$	$\checkmark$
User Account Management	All students and instructors' accounts	All students' accounts	
Make New Instructor Accounts	$\checkmark$		
Heart Sound Test	$\checkmark$	$\checkmark$	$\checkmark$
Browse Heart Sound Test Result	$\checkmark$	All students' results	her/his own' results
Select Heart Sound Test Mode	$\checkmark$	$\checkmark$	
System Configuration	$\checkmark$	$\checkmark$	
Browse User's Guide	$\checkmark$	$\checkmark$	



# "Learning to Listen" screen descriptions

"Learning to listen" has 3 modes.

Both home screens of administrator mode and instructor mode are the same screen. Only the administrator is allowed to create Instructor accounts.



### Instructor mode

Sinus Tachycardia	NC.	Physiologic Split 52	Heart Doy
Abia Portation	Atrial Fionilation	83 Carlop	RESUL
Physiologic Spill 52	53 Gallop	Mex Repuptation	
SH Dalke	54 Gallop	Incord Manur	Heart Scu TEST
Aorts: Stanosa	Aurtic Stenosis	April: Regurgiation	TEST
But Ring Innovert (Film) Marriar	Mou Regugtation	Altra Steroos	Assessme

### Student mode

Binus Tachycardia Vs. Attal Fonilation	PVC VL Abrial Fibriliation	Mindule 3 Physiologic Split 32 VB 53 Galop	Heat Sout TEST RESULT
Reduce A	Bullyis 1	Media 4	
Physiologic Split 52	53 Gallop	Mitral Regurgitation	
B4 Galter	B4 Galop	Invoint Mama	Heart Sour
April: Stenosis	Acric Stences	Mitral Regurgitation	Prosycal
16.	Vit.	10.	Assessment
Integeri (Flov) Marmar	Mitral Regurgitation	Invocant Marmar	Mode



# Confirm the account information\_1

Account information of the user who is logged in can be confirmed.

1) Click "Account Information" button on the home screen.

2 ) The dialog is displayed as shown below.

#### Home screen of the instructor mode

Sinus Tachycardia	PVC	Physiologic Split 52	Heart Sour
Atrial Fibribation	Agrail Fibritation	53 Galop	TEST
Physiologic Spill 52	53 Gallop	Mitral Regurgitation	
14 Gallop	S4 Galop	Import Mamur	Heart Sour
Adris Stenosis	Aortic Startosis	Aorte Regungtation	1631
Boo key moved (Flor) Marriar	Mesi Regurptation	Maria Sherosh	Phaycal Assessment Mode

#### Home screen of the student mode

Module 1 Dinus Tachycardia VIL Atrial Fibrilation	PVC VL Atrial Fibriliation	Module 3 Physiologic Split 82 V8. 53 Gallop	Heart Source TEST RESULT
Montola 4 Physiologic Spill 52 VB	Module 5 53 Gallop V5	Mexicite 4 Mitral Regurgitation	-
54 Galkp	54 Galop	Prisont Manur	TEST
Module 7 Aortic Stenosis VS invocent (Flow) Marmar	Motor S Acric Sterons Vit Mitral Regurgitation	Mature 9 Mitrai Regurgtation VS Innocent Marmur	Antenderment Mode

	Account Information
User ID	Kyoto
Password	•••••
Name	Kyoto Taro
Group	Kyoto University
	Edit Back



# Confirm the account information\_2

 Account information can be changed, click "Edit"button.

User ID	Kyoto
Password	•••••
Name	Kyoto Taro
Group	Kyoto Kagaku University
	1
	Edit Back

2) Click the column which you want to change, type the entry and retype the password, and then click on the "OK"- button.

	Modifying Account
User ID	Kyoto
Password	•••••
letype password	*****
Name	Kyoto Jiro
Group	Kyoto Kagaku University
	Edit your account information.



# User account management\_1

In user account management, instructor and administrator can;



• Save

### 1) Click "User Account Management" button.

#### V Home screen





# Search accounts\_1

2) The dialog is displayed as shown below. Select category from the pull-down menu.

Category : ID / Password / Name / Group

User account management screen



Second, type in a key word for the selected category.

User account management screen

404 404 FFT 145 644 644 405 546 644	898	10,13
1 444 444		v8u17
1998 ALC 1998		ma2)
test test test2	test2	xhu25
000 000 000	806	shi27
ana Test ana		16-23
200 200 200	***	16430
ana Tert ana	***	16-23
1011 111	111	111 mil2
Fyota kysta Kysta Jira	Kyste Unive	rsity utu23



# Revise accounts data

ID, password, name and group accounts can be changed.

1) Search or select accounts to revise on the user account management screen.

Search •		
ID Fairword Name	Group	Role
999 999 177	099	11411
80.0 80.0 80.0		etu17
999 200 200	000	V9423
test test test2	best2	19425
000 000 000	000	stu27
ann Tert ann	499	14429
		14430
277 272	333	332 (1431
	111	115 stu32
0 Kyota kysto Kyoto Sea	Kyoto Universit	ity stu33

2) Click on a cell to revise and then enter new data. Then, click "Save"- button.

#### User account management screen





# Delete accounts\_1

4) Search and select accounts to delete on the user account management screen.

#### User account management screen

	0	Password	Name .	Group.	Role.
1 4	99	999	117	999	vtv11
2. 11				888	etu17
2 0	11	100	111		19423
4. 14	ot.	tect	tert2	test2	11125
5. 0	6e	886	666	600	stu27
6		Teit	***	898	14429
2 0	-		211	100	14,30
8	322	232	333	333	nu01
2	1111	111	111		19432
10. (4)	yote	kysto	Kysto Jies	Rysta University	18433
8		233	333	333	nu00 nu01 nu02

### 5 ) Select and click "Delete "- button.

#### User account management screen

	10	Parried	Nore	Group	Role
1	898	494	rer .	1008	vtu11
2.0	444			***	18,17
2	444	100			(6423
4.1	test.	test.	test2	text2	xhi25
5.	000	808	000	0.00	18:27
6.	***	Text			19429
1.	660	100		***	v9u30
8	331	1 333	333	33	1 11433
9.1	1111	111	111	11	1 mu32
10	Note	kyste	Kysta Jin	Kysto University	(ful)2



# Delete accounts\_2

4) Click "OK" button.

User account management screen

Sauth In -	
	No.1
Do you rea	ally want to delete?
ОК	Cancel

★ Multiple accounts can be selected and deleted through the same procedure.

User account management screen
User Account Management
Search

_	Ð	Parovord	Name	Great	Role
	488	055	m	995	itati 1
2	000	488		844	eta17
3.	488		110	F10	1421
4	fert	fert.	10112	14rd2	1425
5.	cent :	188	886	ate:	rtal?
6	844	Test	448	814 C	rtal)
7	100	210		***	14430
8.	300	(Fg	223	353	16.01
91	5191	111	311	151	+1+32
10	Kyete	kyete	Kyete Jee	Ripoto University	18433
		Save		Delete	Back



Make new student accounts\_1

It is necessary to register accounts to be able to use "Physiko for Learning to Listen" mode. Student accounts can be made on the login screen.

1) Click "New User"- button.

2) The dialog is displayed as shown below .

#### Login screen

PHYSIKO Project collaboration, for Learning to Listen University of Reven of Charge and Kyells Regains Co.Ltt.	٢
User ID Password	Login
Phaycal Assessment Mode	New User

	Account Registration	
User ID		
Password	· · · · · · · · · · · · · · · · · · ·	
Retype password		
Name	()	
Group		
	Register Cancel	



# Make new student accounts\_2

 Click a blank field and type any string.
 Be noted that in the following cases the registration will not be accepted.

- A blank entry field remains
- Same ID and password are already registered
- Password is different from retyped password

<ul> <li>Account registration screen</li> </ul>	
---	--

	Account Registration	Ш
User ID	Kyoto	ш
Password	•••••	
Retype password	•••••	5
Name	Kyoto Taro	ľ
Group	Kyoto Kagaku University	I
	Register Cancel	1

4) When finished typing, click "Register"- button.

	Account Registration	
User ID	Kyoto	
Password	•••••	
Retype password	•••••	ogi
Name	Kyoto Taro	
Group	Kyoto Kagaku University	
	Register Cancel	



# Make new student accounts\_3

5) If the account registration is successful, the below screen is shown. Click the "Confirm"- button.

#### Account completion of registration screen





# Make new instructor accounts\_1

Instructor accounts can be made on the administrator screen. The administrator is the only account which has the ability to register instructor accounts.

1) Login as administrator on the top screen.

PHYSIKO for Learning to Listen	C KYOTO KABARU Project collaboration, University of Binnes at Discays and Kyote Kagaina Co.Lts	٩
User ID Password		Login
Phisycal Assessment Mode		New User

2 ) Click "Make New Instructor Accounts"- button on the home screen of the administrator mode.

#### Home screen





# Make new instructor accounts\_2

3) The dialog is displayed as shown below .

inus	Accou	int Registra	tion		Soun
Atric	r ID				ST
Passw	ord				
S Retype passw	ord				Soun
Aor Na	ame				
www Gr	oup				ical men Se
		Reg	ister	Cancel	of Data

 Click a blank field and type any string.
 Be noted that in the following cases the registration will not be accepted.

A blank entry field remains Same ID and password are already registered Password is different from retyped password

#### Account registration screen





# Make new instructor accounts\_3

5) When finished typing, click the "Register"- button.

6) If the registration was successful, the below screen is shown. Click the "Confirm"- button.



#### Account completion of registration screen





# Clinical Questions\_1

"Clinical Questions" provides knowledge about the case or descriptions of the selected patient.

1) Click "QA"- button to display the clinical question and answer.

2) Click "Answer"- button to display the answer to the clinical question.







# Clinical Questions\_2

3) When there are two or more questions, click the "Next"-button to display the next question.

Question :	100 0000 00	
Why is Mrs. Berg	er having palpitations?	
Answer :		



# Review history in the instructor mode\_1

1) The history of all the students can be reviewed in instructor mode. Double click on the ID that you want to review and the history of that student will be displayed.

Search: 0			-	
	Fred	Rana	desa -	Last Rev.R
and so a	-	144	and the second	Monthly, New Manager 4 (24) Top
2 Charge	17	Dedici	200	invalued, inst, ot/on/gone his calue
3	-	200	100	Mukalet, 40%, 34/35/2013 13.14.3
8.044	-	Net2	94.62	Musical, 20%, 50/171/2013 13:40:5
2 444	-	-		Muslet, 30%, 01/07/2014 14-17-1 Muslet, 0%, 05/01/2014 17-48-53
E. 149			102	113 Net Read
1	-			Musdad, 108, 05,012,0114 19-11.5
			101	and the Beach
10 Jackson		Teatlar	holow	Muldale, 20%, off-margari 4 11 Jrl - 4
TL orani	-	ineter .	1114	Hed Berult
12 analysiste	-		488	Hard Manuals
33.7/140	-	10 mm	Uter	Not Recold


### Review history in the instructor mode\_2

2) If you would like to review the history of another module, select a different module from the pull-down menu. \*User can only select one module.

3) The history of the selected module will be displayed.

999	Name FFF	Group 999	Back 🛃	lome
	Module #			
	All Marchine 1			
	Sort Weaks	0	etal part	
	Market Market			
	Math Maddel At	waryflate (A)		
	383 ModdModule? (3-43-3%			
	282 Multi Multing (0.15 214			
	181 Manufacture			
	280 Musart 04/23/201416.02.48 201			
	276 Manuel 101/201201416-02-22 209			
	278 Muddet 01/20/201416.00.21 (%			
	277 Musert stringstatedous on			
	276 Mondart (01/14/201412/02/01 201			
	225 Mealer 01/07/201414:18:22 304			
	274 Muddel (10/02/2013 10:28:45 174	-		
	\$75 Munart 19/10/2010 10:12:47 198			
	272 Muddet 10/01/201212/2057 (H			
	271 Medaet 10/01/2013 12:08:02 0%			
	270 Muslet 10/01/2013113/643 0%			
	26.8 Muddel 10/01/2013 11.15.22 (N			
	258 Muldel 08/00/257312/454 108			
	287 Model 0011/201312/2/10 1/4			
	286 Mukart 19/25/2013 08/64/21 10%	0		
	345 Module1 108/12/2013 10:04:04 10%			

999		×.	Name	FFF		Gro	PPP 999		Back	Hom
	Module	-		•						
	Sort	-						Detail	(There :	
	Mad	14	Date		Accuracy	tate +				
	188 Mart	da'l	Mainterio	64.10.10.40	14					
	and then			1410-05-05	208					
	281 Made	ér1	101/01/20	14110148	198					
	280 Mad	in1	14(1)(2)	1410.02.44	204					
	279 Made	ég L	11/05/05	1416-02-22	30%					
	114 min			1410021						
	277 Mark			141800.40						
	478 Med			1410-0030						
	175 Made			14141822						
	214 Mar			13 10 29 40						
	473. Ned			13101247						
	171. Made			1110387						
	171 March			1312-08-02						
	See man			13113640						
	113 Mark			131119-22						
	268 Mus			1112/08/18						
	JAT. Mush			11122348						
	288 Made			121055421		- 2				



### Review history in the instructor mode\_3

4) Users may sort the result by selecting a category (e.g. "Date" or "Accuracy Rate") from the pull down menu.

999	8	Name FFF	1	Group	999		Back	Hom
	Module A							
	Sot D					Detail	time :	
	1							
	Photo: N	Distance in the local	Accuracy Rate					
	UES Mundet	101.001.001419-00.00	.08					
	JBJ Mumbri	10,118,0114 16-08.15	204	1.1				
	JB1 Musule1	08,01,001417,07.48						
	280 Madda'r	04/23/2014 10:02:44						
	278. Maddel	01/20/2014 16:02:22						
	278 Hubbert	01/20/2014 16:86:01						
	377 Madule 7	01/14/3214 18:52:42						
	116 Mutule1	01/14/001412:02:03						
	275 Mudden	01/07/2014 14:18:23		- 8				
	174 Maddan	10/0/2013 10:29-43		- 8				
	373 Muddell 372 Meddell	10/02/03/13 10:12:47		- 8				
	271 Madda1	1601,00101010104		- 8				
	270 Madda1	10/01/2010 12:08:02		- 8				
	280 Maddel	1001/2013 11:18:44		- 8				
	208 Maddel	Termicanto 12 24 14		- 8				
	JAT Madday	INCOLOURS 12 23 84		- 8				
	and a state of the							
	200 Musici	08/25/2013 08:54:21		- 21				

5) To review the details of each test in the module history, double click on the line. Details such as the correct answer, your answer and the result will be displayed.

199			Name	FFF		Group	999		B	ack	<b>H</b> H
	Module	40									
	Sort	244	61	1				Detail			10.00
	Mak	h	Sec		Accuracy 8	ata 1		Corne	Acres 1	Displant Assessed	Result.
	283 Made			419:19-48	19			C. Suma		Parriel	~
	282 Marks			416:05:18	2018				ailyria-De		X
	281 Mask	Art .	01/11/001	ATTOTAL	194				strated	Normal	X
	260 Mode			414/06/44	20%			A dead	bellation .	Perrol	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
				10100	20%	_		2 North		Parend	~
	278. 3854			414.00.01	18			E. Avid 7		Noral	- X II
	ATT. Made			1810-50-62	18			and a second sec	billation .	Neval	- A.I
	274. Mode			412-02-33	20%					Normal	5
	275 Muda			414/18/22	20%			The Street P	ach-cardie		- Ö II
				3 10,23,43	18			111 (Here 1	artists.	Humd	× 1
	273 Made			010/047							
	271 Made			3121602							
	271 Mode			3.11/16.03		_					
	242 Mart			3.11/16.42		- 1					
	And Man			0.120414	100						
	287 Made				- C						
	288 Made			121846-01							
	JAN Marth			3103454		- 1					



 Click on the "Heart Sound TEST RESULT" -button on the home screen to review the history of previous heart sound tests. 2) Then the display will open as shown below. Your ID, Password, Name, Group and Last Result will be displayed. "Last Result" is your most recent result. Double-click on the line surrounded with red line.







3) If you double click on the row shown in red, the list of all results will be displayed, as shown below.



### Narrowing-down the results

1) If you would like to review the history of another module, select a different module from the pull-down menu. \*User can only select one module.

ert Mode		
		Back f
Module +		
Sort Restrict	Detail	Call.
Man Mandah Accuracy Edge +		
283 Mut Muddel 2.47 (%		
282 Mar Wester P. 12 20%		
280 Maddel Children's Million and 20%		
279 Modult Stippingthatespip 30%		
178 Muddet Studiotatestopt Int		
177 Muser stundatetado as on		
276 Mudah1 01/14/201412-02/30 20%		
275 Modul 01/07/201414/18/2 30%		
214 Mudul 10/02/2012/02/242 0%		
273 Model 10022073107247 0%		
212 Model 10/01/001312/1317 0%		
271 Mudde1 10/01/2013 12:08:02 0%		
220 Weakert 10/01/201311.02:00 UK		
263 Muddel 1000(201311032 0%		
267 Muddel Decoupting 2018 of		
258 Module1 00/25/2013/08:56/25 0%		



2) The history of the selected module will be displayed.

3)To review the details of each test in the module history, double click on the line. Details such as the correct answer, your answer and the result will be displayed.

ent Mode				(	Back	Hon
Module -	unit (+)					
Sort a	en 1			Detail	See 1	
Madala	Care .	Accuracy Bala	-			
21 Muturi	phytelizana terte-ap	198				
40 Module1	10,00001410-05-75	204				
10 Muddel	15/05/201417/07/48	19				
18 Module1	14(23)(21)(4.16)(2)(44					
17. Module1	01/05/001416/02/02					
LE Module1	01/00/001416-00/01					
15 Module1	01/10/2014 18:00:42					
18 Module1	91/14/2014 12:02:20					
13 McAde1	01/07/201414/16/22					
14 Modula'	10/02/2013 10:29:40					
11 Module1	NOOLYDEVE NUMER					
E Muddh1	10/01/2013 12:13:87					
A Manhall	heart/pets 13.56.40					
P. Meddel	10/01/2013 11/15/22					
T-R Muddel	Rectification to de te		1200			
1 Middel	10070201012225-00		1.12			
a Middal	19/25/2012 08:06:21		1.0			
2. Make1	Dertaports togethe		14 IIII			

ent Mode					
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In House	manufacturing has been as	100		4 And the Ballacian	- X
17 141444	2010/06/2014 10:02/02	20%		1 Noral	ned V
The survey of	CONTRACTOR INCOME.	100	•	8 Ana Hullaton	Nerval X
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D Module1					
a Music'	and the second second second second				
P. Module1					
E Musich1			100		
5. Maddari					
A Module's	10025-0013-0856-01		18 III.		



 Users may sort the result by selecting a category, (e.g. "Date" or "Accuracy Rate"), from the pull down menu.





Switch from "Learning to Listen" to "Physical Assessment" Mode

"Physical Assessment Mode" can be displayed from "Learning to Listen" mode.

1) Click "Physical Assessment Mode"-button on the login screen in Learning to Listen mode.

2) "Physical Assessment Mode"- screen is displayed.

PHYSIKO C KTOTO KARAKU for Learning to Listen Provide obligations of Charge and Ryste Kages	Call
User ID Password	Login
Phisycal Assessment Mode	New User





### "Physical Assessment" Mode Screen

Physical Assessment Mode has 3 modes as shown below.





### **Patients List**

Physiko's twelve preset patients cover typical outpatient complaints such as chest pain or stifling sensations.

Case	Age, Sex	Condition		
	58 yrs Male	Myocardial Infarction		
Chast Dain	55 yrs Male	Dissecting Aortic Aneurysm		
Chest Pain	76 yrs Female	Lung Infarction		
	28 yrs Male	Intercostal Muscle Ache		
Ale da series al Data	26 yrs Female	lleus		
Abdominal Pain	19 yrs Male	Diarrhea		
Lie Unconscious	36 yrs Female	Brain Hypertension		
	84 yrs Female	Pneumonia		
	66 yrs Male	Chronic Obstructive Lung Disease		
Shortness of Breath	70 yrs Male	Pulmonic Fibrosis		
	73 yrs Male	Heart Failure		
	21 yrs Female	Anemia		



#### Mode 1 (Patient cases) \_1

1) Mode 1 provides twelve preset patient cases. In this mode, the user cannot arbitrarily change the patient data. One may select Mode2 (Patient case editor) on the Top menu to create a new patient. 2) When you hover the cursor over the patient description on the left, the details of the patient will appear on the right. When you click on the green button, the screen will change to the physical assessment session after a slight pause.







#### Mode 1 (Patient cases) \_2 Choose the skill you would like to practice. Volume setting Choose a skill to practice Return to previous menu Return to top menu stars affind Mores Pupiliery rolles. Mood promiers. Histori, prunds. Breath sounds. Board sounds (In-Home Switch the screen between "The To defaults Alteria patient overview" and "Details ..... Male Weight 7044 36.8 Height of findings" To the patient overview Overtragin, ASA-user-old rade. The patient colden nd the American the sharp, and full anishing on the analy-terest in the andy mainting of a sold Monday in writer C Residence and ./0 (sinston) Findings Apilary rates Cout and 일정법이 Charl south 34 55 Clienterman Cl To details of the findings Cost such Octoorloggets 10.00 To details of the findings



#### Interpretation of findings

1) In each "Details of the findings"-screen, click on the "Interpretation of findings"-icon on the bottom right to view the medical interpretation of the patient's conditions, e.g. Pupillary reflex.

#### **Case explanation**

2) The "Case explanation" icon on the bottom right will show the patient's diagnosis. This portion will be blank in "Patient case editor"-made patients.







#### Volume setting

For certain cases, the volume can be adjusted by clicking on the "Volume Setting"-icon.

### **Operation in ECG learning**

By stepping on the foot switch, ECG waves are shown on the PC.







In ECG patient screen, you can select ECG waves by clicking the ECG display switch shown below in the red box.





#### How to use the PC speakers

The Heart, Lung, and Bowel sounds can be listened to by the PC speakers. To play the sounds open the screen for one of these sounds and click the designated area.



E.g: For the heart sounds, the cursor will change when placed in the area surrounded by the red line.

When the mouse is hoveed over each Heart, Lung and Bowel sound indicator, the cursor will change to a stethoscope icon. Once you click wihthin that area, the sounds for the selected area will be played through the PC speakers. To stop the sounds, click outside of that area.

%The PC speakers are best to be used for checking sound. For other uses, such as demonstrations in a classroom setting, use of the external speakers is recommended due to their built-in amplifiers.



### How to change the patient position in the lung sound mode

Patient positions for lung auscultation can be switched between anterior and posterior by clicking the icon framed by the red line.











#### Tips on blood pressure measurement

When the cuff is attached incorrectly to the right arm for blood pressure measurement, a warning message will appear. Please verify your cuff application while referring to the screen, as seen below.

Willow atting Pupiling refer Bood pressure Heart sounds Death sounds Dosed sounds Merry Home H/R To the justice of Pulse wave pattern CAP AAAA miHg/SEC Under pressurizati install. The cult is rest appropriately apple 34 32 14 IND GAP ; Cannot arterial pulses

%Please measure blood pressure only on the right arm, not on the left.



# Individual examination skills training\_Case list

### Individual examination skills training : Case list

Assessment Item		Condition				
	Normal					
D 111 0	Pupillary dilation					
Pupillary reflex	Pupillary constriction					
	Bilateral asymmetry					
Blood pressure	Can be set to any desired range					
	Normal lung sounds	Coarse crackles				
Auscultation of	Weak in the left lung	Fine crackles				
breath sounds	Absent in the right lung Wheezes					
	Bronchial breathing	Rhonchi				
	52 split absent	Aortic stenosis	Atrial fibrillation			
	S2 split present	Mitral regurgitation	Atrial flutter			
Auscultation of	53 gallop	Mitral stenosis	Premature ventricular contraction (single			
heart sounds	S4 gallop	Aortic regurgitation	Ventricular flutter			
	S3 and S4 gallop	Sinus tachycardia	Ventricular fibrillation			
	Innocent murmur	Sinus bradycardia	Cardiac sound regulation			
	Normal	h	In the second second frances of the second second			
	Increased					
Auscultation of	Decreased					
bowel sounds	Obstuction (subileus)					
	lleus					
	Normal	Ventricular flutter				
	Atrial fibrillation	Ventricular fibrillation				
ECG simulation	Atrial flutter	Myocardial infarction	(acute stage)			
	Premature ventricular contraction					
	Ventricular tachycardialleus	Myocardial inf arction	(chronic satge)			



### Individual examination skills training\_1

### Individual examination skills training\_1

 Click on the "Physical Examination Skills Training"button.



2) When the cursor is hovered over the skills button on the left side, the corresponding picture will appear. When you click on the skills button, you will be directed to the respective skills training page.





### Individual examination skills training\_2

### Individual examination skills training 2

1) Select a case (except for the BP measurement) When you click on the "Select findings"-icon on the top of the screen, you will see a drop down menu with cases to practice with.

\*For the blood pressure measurement, no drop down menu is provided.



2) Set values for blood pressure The value of S1, S4 and S5 for blood pressure measurements is adjustable. When you click the "BP measurement"-icon on the bottom of the screen, a window will appear, where you can adjust the values accordingly.





1) Click "New case" on the left when creating patient case newly.



2) When clicking on for each case, the pull-down list appears. Select one from the list. For the blood pressure, click for for result, or simpy click the number you would like to change and manually type the entry with the keyboard.



You cannnot input greater number to S4 than S5's.



#### 3) Fill in the blanks on the left.

\* Explanation about "Please select a picture"-button is on the next page.



• Here, "Age." Is the only required item. Other items can be left blank, though, it is necessary to create a filename to save the data.

• The default setting of all the findings is normal.

How to input letters with the keyboard (In the case of Japanese version of PC). Alphabet input mode is set by default. If it is not, switch to alphabet mode by pressing the following keys.



···to Alphabet input mode



4) First, input "Age" and select "Sex". Then, click the "Please select a picture"-button. The age range is from 15 to 100 years old.



5) After completion of step 4), the below window will be displayed. Four pictures will be shown depending on the combination of age and sex chosen in step 4). Check the button under an image and click the "select"-button.

\*If you do not select a patient picture, the picture on the leftmost side will be selected by default.





#### How to save the file

1) When you save the created file, click "Save"-icon.



2) When the window is shown below, input file name to ① by keyboard and click "Save" icon ②.

\*If you input an already-existing filename, an overwrite dialog is shown. You may then change the filename to resave or overwrite the file.

FiloName	Date		
PhysicalTaro hanako kyoto_kantaro	2006-03-01 2006-03-02 2006-03-02		
Fisture			
Factores kanjaŭ1			



### How to delete a file\_1

1) To delete a file, click "Save" or "Call data".



2) After that the below window is shown. Click (1) the filename you want to delete and click (2) the "Delete"-button.

Physical fare hanako kyoto_kantaro	2006-03	01 02 02



#### How to call a file

1 ) When you want to open a custom-made case file, click the "Call data"-button. The window on the right side will pop up.



2 ) Click the filename of the case you want to use. Then click the "Open"-button to open the file.

Chysical fare 2005-03-01 hanako kyoto_kantaro



### How to call a file\_3

3) If there is an unsaved file, the window below will be shown. Click "Yes" if you don't want to save the file and open the file Click "No" if you want to save the file, before opening the file.

Do you oper	n the file w	ithout s	aving
	if you save		
Yes	0	No	



### **Play list**

1) To run several files continuously in sequence, click the "Playlist"-button



To use the playlist, at least two files of custom made cases need to be saved beforehand. Up to three files can be included in one playlist.



1) Select files for the playlist. Select a file from the list and click "Select"-button to transfer the file to the "Playlist"-box. Repeat the task to select up to three files.

leNane	Date
ançie 2019 2 lew T	2015-09-04
Play list	Safet Recent

To use the playlist, at least two files of custom made cases need to be saved beforehand. Up to three files can be included in one playlist.

#### Set the play time

1) Set the play time according to following order. Click the file in "Play list" box.

Play list	fieName	Date
Play list	Sample 2019 1	2019-05-02
Play list	Sample 2015 2	2073-03-04
	New T	2021-11-04
	Play list	
	Play time	Al Start
1min O Al Start	manufactory and the second	



1) Click the "Play time"-box and select one from five options shown in the pull-down menu.

Sample 2013 1         2013-06-02           Sample 2013 2         2013-06-02           Play list         Select 4         Release 1           1         Sample 2013 1         Tany         Accessed	Sample 2013 2	2013-09-04
Play list Select # Power #		
Play list	ien T	2021-11-64

2) Repeat the process for all the files in the play list.

HeNane	Date	
Sample 2019 1	2010-01-02	
Sample 2013 2	2019-09-04	
Nex#T	2021-11-04	
Play list	Select & Pe	t
1 Sangle 20191		Inin Allower
2 Sargie 20192		trie
		Viene
Play time	Internet P	
1min -	Cancel	Start
1min P	Sec. 19	22
5min		
10min		
20min		
30min		

When the play time is not edited, default setting for each file is one minute.



#### Changing the order of files in the playlist

Click a file to change the position in the list. Then move it by clicking "Up" or "Down."

Date	
2019-06-02	
Select # Res	t
_لرر	<b>.</b>
	2023-0404 2023-01-04

### Removing a file from the playlist

Click the file to remove . Then click the "Release"-button".

FieName Sangle 2015 1	Dete 2019-08-02	
Sample 2010-2	2015-05-04	
New T	2025-11-64	
Play list	Select# Night	
Play list 1 Sack 20191 2 Terck 20192		 ↓ ↓ town



#### Play

Click "Start" after finishing configuration.

It takes time for the system to transfer data to the terminal box from the PC when you choose the next file in the playlist.

le/Vane	Date
ançie 2015 1	2019-06-02
ensk 2019 2	2019-05-04
ine î	2025-01-04
Play list	Salact 4 Palace 1
1 Sangle 2019 1	Texis Liberard
2 Sancia 20192	
Play time	
Smin •	Cancel Start
Notified to the second se	
Series -	0.00
Street 2	6 m