「超高速ネットワークを利用したアジア遠隔医療プロジェクト」TEMDEC (Telemedicine Development Center of Asia)活動報告:第9巻

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3) アンケート

#322　第 34 回　APAN 会議　テレコンサルテーション　2012.8.27

The 34th APAN-teleconsultation session

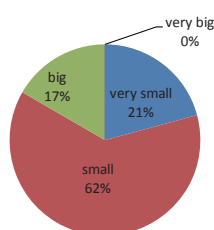| 1		2		3		4		5		6		7		8	
very good	7	very smooth	5	very small	5	very good	6	very easy	3	very good	5	this system is better	3	yes	8
good	18	smooth	15	small	15	good	17	easy	13	good	19	similar	7	probably yes	15
poor	0	sluggish (slow)	6	big	4	poor	3	time-consuming	3	poor	0	DVTS is better	3	probably no	2
very poor	0	very sluggish (slow)	0	very big	0	very poor	0	very time-consuming	2	very poor	0	do not know	13	no	0

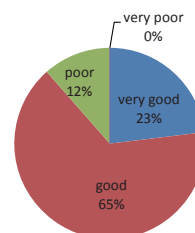**Q1. About the resolution of image**
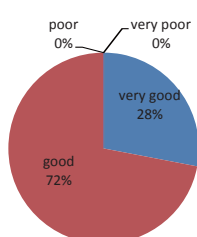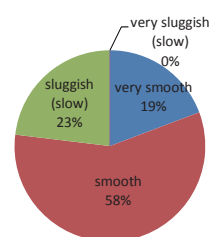
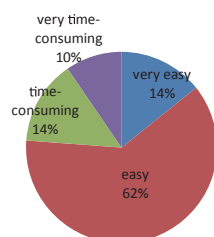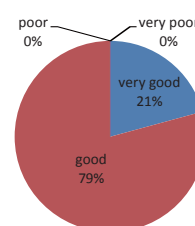**Q2. About the image movement**

Q3. About the delay of the image
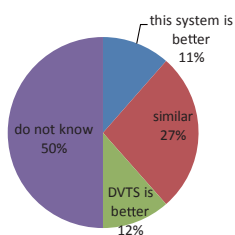
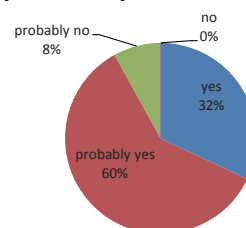**Q4. About the quality of sound**

Q5. About the preparations

Q6. About the program

Q7.Is this system better than DVTS?

Q8.Would you like to use this system for your own activities?

#323　第 34 回　APAN 会議　内視鏡　2012.8.28

The 34th APAN-endoscopy session

1		2		3		4		5		6		7		8	
very good	7	very smooth	2	very small	10	very good	4	very easy	4	very good	10	this system is better	8	yes	9
good	14	smooth	19	small	11	good	17	easy	14	good	9	similar	4	probably yes	11
poor	0	sluggish (slow)	0	big	0	poor	0	time-consuming	0	poor	0	DVTS is better	4	probably no	1
very poor	0	very sluggish (slow)	0	very big	0	very poor	0	very time-consuming	0	very poor	0	do not know	5	no	0

Q1. About the resolution of image
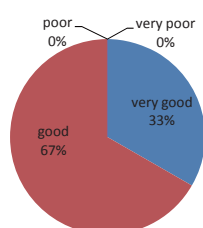
Q2. About the image movement

Q3. About the delay of the image

Q4. About the quality of sound

Q5. About the preparations

Q6. About the program

Q7. Is this system better than DVTS?

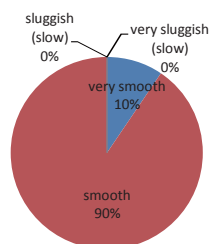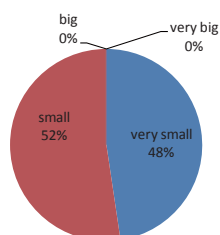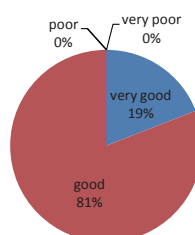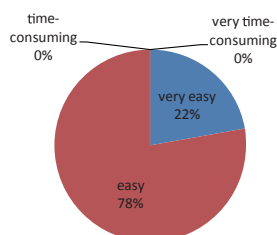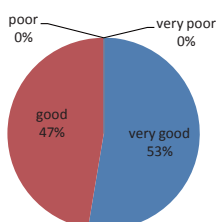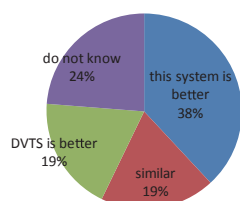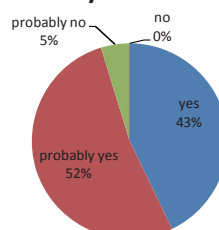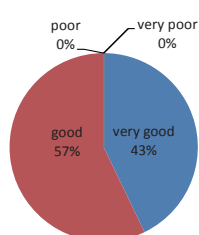### Q8. Would you like to use this system for your own activities?
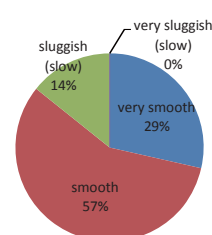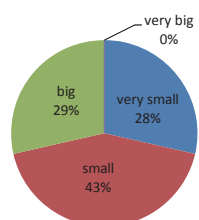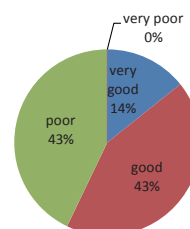
#324　第 34 回　APAN 会議　外科　2012.8.28

The 34th APAN-surgery session

1		2		3		4		5		6		7	
very good	3	very smooth	2	very small	2	very good	1	very easy	0	very good	2	yes	4
good	4	smooth	4	small	3	good	3	easy	3	good	5	probably yes	2
poor	0	sluggish (slow)	1	big	2	poor	3	time-consuming	3	poor	0	probably no	0
very poor	0	very sluggish (slow)	0	very big	0	very poor	0	very time-consuming	0	very poor	0	no	0

Q1. About the resolution of image

very poor 0%
poor 0%
very good 43%
good 57%

Q2. About the image movement

very sluggish (slow) 0%
sluggish (slow) 14%
very smooth 29%
smooth 57%

Q3. About the delay of the image

very big 0%
big 29%
very small 28%
small 43%

Q4. About the quality of sound

very poor 0%
very good 14%
poor 43%
good 43%

Q5. About the preparations

very easy 0%
very time-consuming 0%
time-consuming 50%
easy 50%

Q6. About the program

poor 0%
very poor 0%
very good 29%
good 71%

Q7. Wil you attend another teleconference session next time?

probably no 0%
no 0%
probably yes 33%
yes 67%

95

#325　第 34 回　APAN 会議　胎児治療　2012.8.28
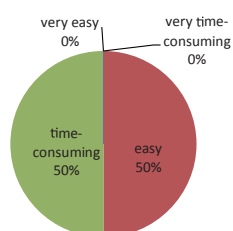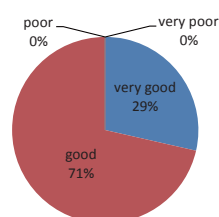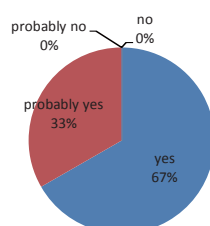
The 34th APAN-fetus session

1		2		3		4		5		6		7	
very good	3	very smooth	5	very small	6	very good	6	very easy	6	very good	9	yes	12
good	15	smooth	13	small	12	good	10	easy	9	good	9	probably yes	5
poor	0	sluggish (slow)	0	big	0	poor	2	time-consuming	2	poor	0	probably no	0
very poor	0	very sluggish (slow)	0	very big	0	very poor	0	very time-consuming	0	very poor	0	no	0

Q1. About the resolution of image

poor 0%　very poor 0%
very good 17%
good 83%

Q2. About the image movement

sluggish (slow) 0%　very sluggish (slow) 0%
very smooth 28%
smooth 72%

Q3. About the delay of the image

big 0%　very big 0%
very small 33%
small 67%

Q4. About the quality of sound

poor 11%　very poor 0%
very good 33%
good 56%

Q5. About the preparations

time-consuming 12%　very time-consuming 0%
very easy 35%
easy 53%

Q6. About the program

poor 0%　very poor 0%
good 50%　very good 50%

Q7. Wil you attend another teleconference session next time?

probably no 0%　no 0%
probably yes 29%
yes 71%
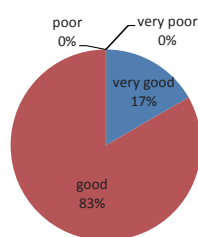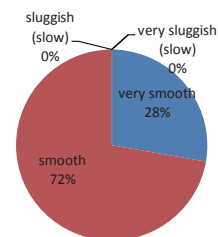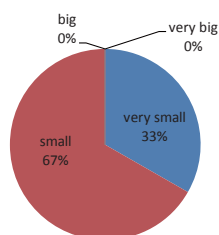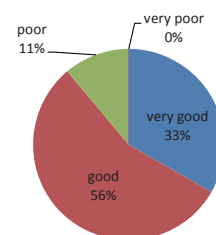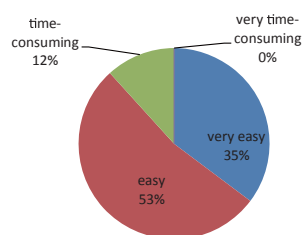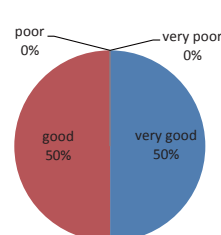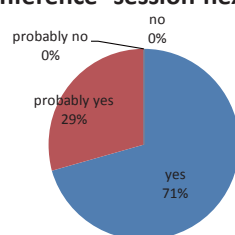
#345　第 35 回　APAN 会議　テクノロジー　2013.1.14

The 35th APAN-technology session-Quatre16

Quality:

	Very good	Good	Fair	Poor	Worst
Video quality	**5**	**13**			
Audio quality	**3**	**10**	**4**	**1**	
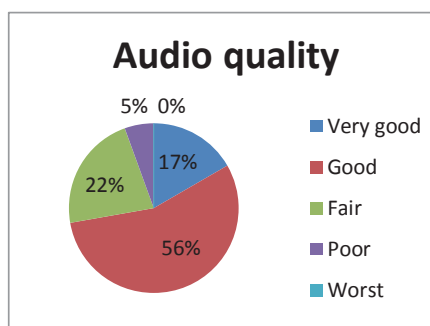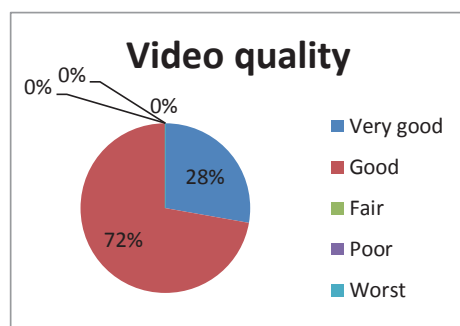
Other questions:

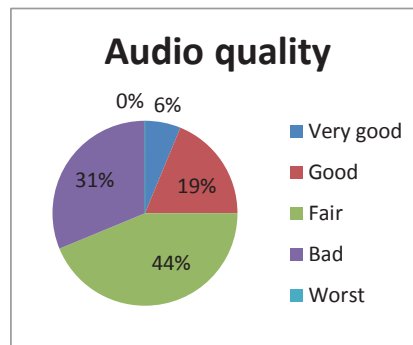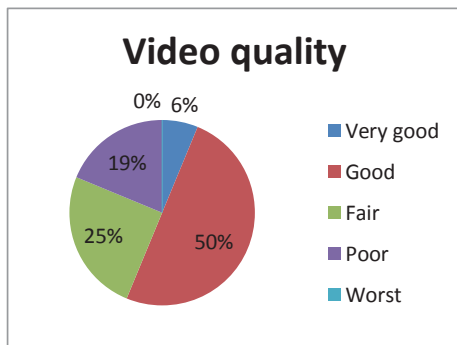| Preparation time	Long	Fair	Short
		6	**1**
Skill level	Difficult	Fair	Easy
		5	**2**
Number of engineers	>2	2	1
		1	**6**
Network	Stable	Normal	Not stable
	2	**5**	

Comments:

- **KUH:** Vietnam stations seem to have some noise. DVTS looks better in movement and image quality.
- **Keio Uni:** Audio level adjustment is always a difficult challenge.
- **Federal Uni of RGS-Brazil:** the audio problem is not a matter. It is a matter of correct configuration of the mic.
- **SSF:** Sound quality varied from site to site. I don't think I was receiving audio from some. Hawaii was barely audible. I had to ride the audio levels on my mixer. From past experience I'd say DVTS is much easier to use on single site transmissions.
An instant message back door for engineers would have been handy. I didn't see the return until minutes before the session was to start and was unsure if I was in error or if Minh was in a scramble.
- **Hong Kong:** Sound quality was fair, may be due to the network problems or wrong settings in some sites
I found that there was about 2 seconds delay for my image in the Quatre. The edges of the images were not smooth when the images were moving. The brightness of the images was fine.
- **Bundang:** Quality of video depends on Device.

The 35th APAN-technology session-DVTS+

Quality:

	Very good	Good	Fair	Poor	Worst
Video quality	1	8	4	3	
Audio quality	1	3	7	5	

Video quality

0% 6%
19%
25% 50%

- Very good
- Good
- Fair
- Poor
- Worst

Audio quality

0% 6%
31% 19%
44%

- Very good
- Good
- Fair
- Bad
- Worst

Other questions:

Preparation time	Long	Fair	Short
		4	1
Skill level	Difficult	Fair	Easy
		2	3
Number of engineers	>2	2	1
			5
Network	Stable	Normal	Not stable
	2	3	

Comments:

- **Cho Ray:** Continuous blinking in all small screen and the main screen.
- **SSF:** Sound quality varied from site to site. Hawaii was barely audible. I could only make out about 1/3rd of what Ti was saying. NCHC, Tsinghua, Cernet and Taiwan were all very clear. Site 3 (Thailand?) was acceptable. Ti's audio improved when they left chairman mode. I like the user interface. I'm not sure if it was me but it seemed that switching directly between the two systems on the same computer caused problems. Just to be safe I rebooted the computer between feeds. And I was very cognizant of changing between 16 and 12db.
- **Hong Kong:** Sound quality was fair, may be due to the network problems in some sites.

  I found there was less than 1 second delay to view my image from the DVTS plus server. By comparing with Quatre, the edges of the images were smooth when the images were moving. The brightness of the images was fine. Not smooth motion 7~8 fps? We need 30 fps or over 25 fps. Sub screen is too small. Bad rip sync.
- **CERNET:** We are successfully using DVTS_ for 2 years and we are quite satisfied with it.
- **Federal Uni of RGS-Brazil:** Low frame rate, less than 20 fps, maybe because of the network. Resolution seems better than DVTS.

#346　第 35 回　APAN 会議　内視鏡 1　2013.1.15

The 35th APAN-endoscopy-1 session

1		2		3		4		5		6		7		8	
very good	7	very smooth	6	very small	10	very good	0	very easy	6	very good	4	this system is better	10	yes	7
good	11	smooth	13	small	8	good	16	easy	10	good	13	similar	2	probably yes	7
poor	0	sluggish (slow)	0	big	0	poor	2	time-consuming	1	poor	0	DVTS is better	3	probably no	2
very poor	0	very sluggish (slow)	0	very big	0	very poor	0	very time-consuming	0	very poor	0	do not know	4	no	2

Q1. About the resolution of image
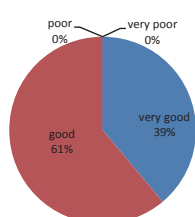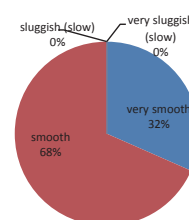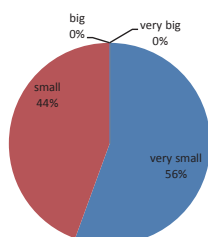
Q2. About the image movement

Q3. About the delay of the image

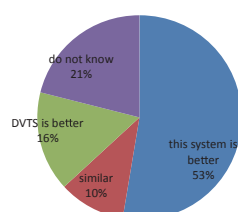**Q4. About the quality of sound**
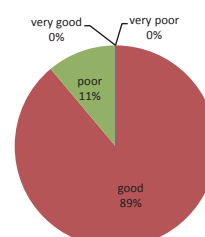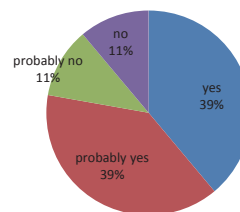

Q5. About the preparations
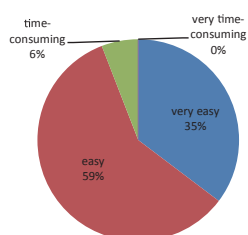
Q6. About the program
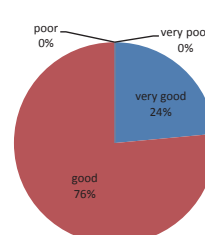
Q7. Is this system better than DVTS?

**Q8. Would you like to use this system for your own activities?**

#347　第 35 回　APAN 会議　外科　2013.1.15

The 35th APAN-surgery session

1		2		3		4		5		6		7	
very good	4	very smooth	4	very small	4	very good	3	very easy	3	very good	6	yes	7
good	6	smooth	5	small	5	good	6	easy	3	good	3	probably yes	3
poor	0	sluggish (slow)	0	big	1	poor	1	time-consuming	1	poor	0	probably no	0
very poor	0	very sluggish (slow)	0	very big	0	very poor	0	very time-consuming	0	very poor	0	no	0

Q1. About the resolution of image
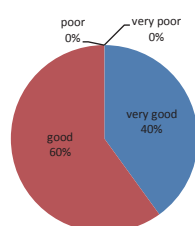
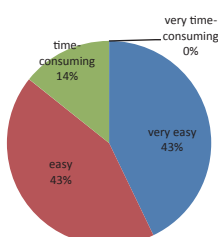**Q2. About the image movement**
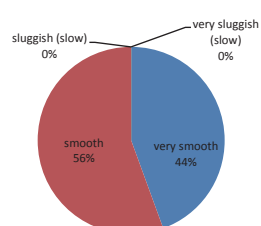
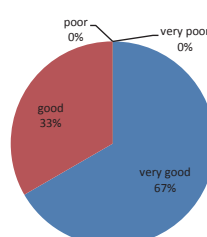
Q3. About the delay of the image
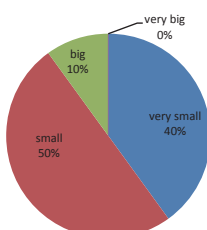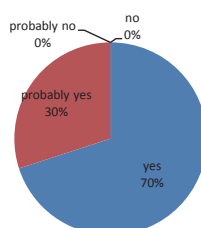

Q4. About the quality of sound
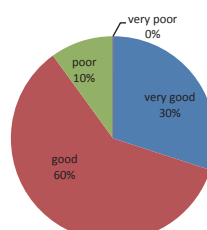
Q5. About the preparations

Q6. About the program

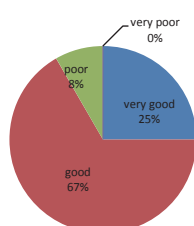**Q7. Will you attend another teleconference session next time?**
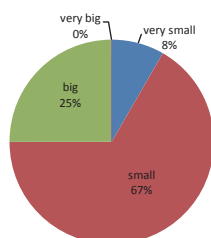
#348　第35回　APAN会議　内視鏡2　2013.1.16

The 35th APAN-endoscopy-Latin session

1		2		3		4		5		6		7	
very good	3	very smooth	2	very small	1	very good	0	very easy	2	very good	6	yes	10
good	8	smooth	8	small	8	good	7	easy	5	good	6	probably yes	2
poor	1	sluggish (slow)	2	big	3	poor	3	time-consuming	2	poor	0	probably no	0
very poor	0	very sluggish (slow)	0	very big	0	very poor	1	very time-consuming	1	very poor	0	no	0

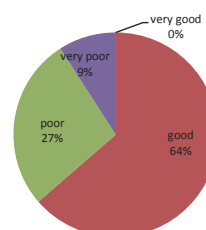**Q1. About the resolution of image**
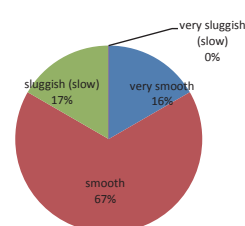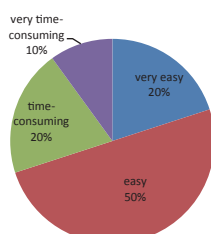

Q2. About the image movement
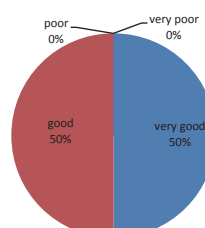

Q3. About the delay of the image
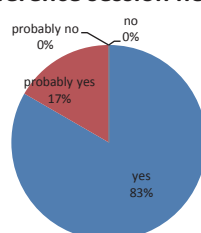

Q4. About the quality of sound

Q5. About the preparations

Q6. About the program

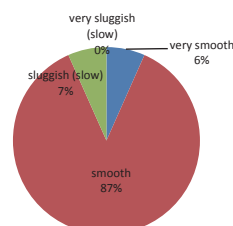**Q7. Will you attend another teleconference session next time?**

#349　第 35 回　APAN 会議　心カテ　2013.1.16

The 35th APAN-cardiology session

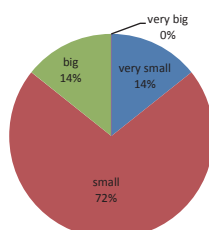| 1		2		3		4		5		6		7	
very good	4	very smooth	1	very small	2	very good	0	very easy	0	very good	6	yes	7
good	10	smooth	13	small	10	good	7	easy	6	good	7	probably yes	7
poor	1	sluggish (slow)	1	big	2	poor	5	time-consuming	5	poor	1	probably no	0
very poor	0	very sluggish (slow)	0	very big	0	very poor	3	very time-consuming	0	very poor	0	no	1

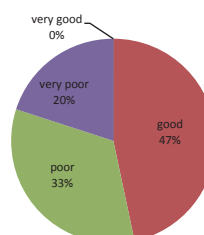### Q1. About the resolution of image

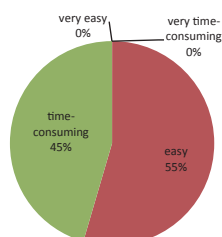

Q2. About the image movement
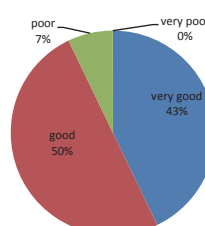

Q3. About the delay of the image

Q4. About the quality of sound

Q5. About the preparations

Q6. About the program

Q7. Will you attend another teleconference session next time?