Q1 Coarsecrackles

Type	number	correct		incorrect		Coarse crackles		Fine crackles		Rhonchi		unansweared	
Total number	239	143	59.8%	96	40.2%	143	59.8%	66	27.6%	30	12.6%	0	0.0%
Pulmonologist	127	80	63.0%	47	37.0%	80	63.0%	35	27.6%	12	9.4%	0	0.0%
Other specialist	6	2	33.3%	4	66.7%	2	33.3%	3	50.0%	1	16.7%	0	0.0%
Resident	40	28	70.0%	12	30.0%	28	70.0%	4	10.0%	8	20.0%	0	0.0%
Intern	28	19	67.9%	9	32.1%	19	67.9%	7	25.0%	2	7.1%	0	0.0%
Medical student	4	2	50.0%	2	50.0%	2	50.0%	2	50.0%	0	0.0%	0	0.0%
Nurse	9	3	33.3%	6	66.7%	3	33.3%	5	55.6%	1	11.1%	0	0.0%
Physical therapist	1	0	0.0%	1	100.0%	0	0.0%	1	100.0%	0	0.0%	0	0.0%
The others	24	9	37.5%	15	62.5%	9	37.5%	9	37.5%	6	25.0%	0	0.0%

Total user correct % of Q1 (Coarse crackles) n=239

- incorrect, 96, 40%
- correct, 143, 60%
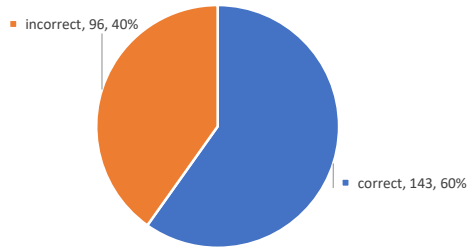
Total sellect answer % of Q1 (Coarse crackles) n=239

- Rhonchi, 30, 12%
- Fine crackles, 66, 28%
- Coarse crackles, 143, 60%

Pulmonologist correct % of Q1 n=127
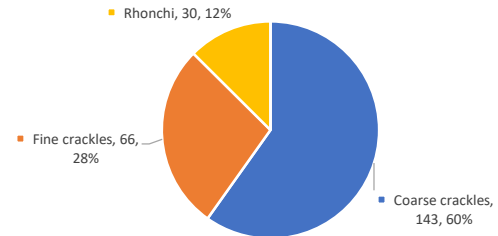
- incorrect, 47, 37%
- correct, 80, 63%
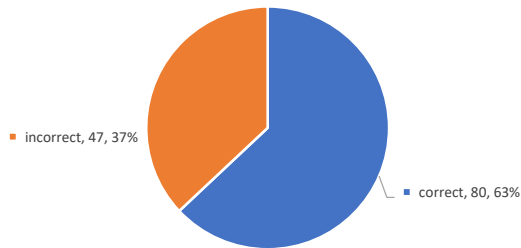
Pulmonologist answer % of Q1 n=127

- Rhonchi, 12, 9%
- Fine crackles, 35, 28%
- Coarse crackles, 80, 63%

Resident correct % of Q1 n=40

- incorrect, 12, 30%
- correct, 28, 70%

Resident answer % of Q1 n=40
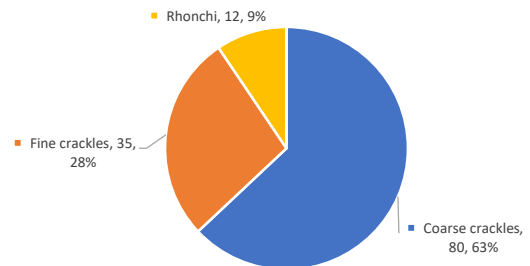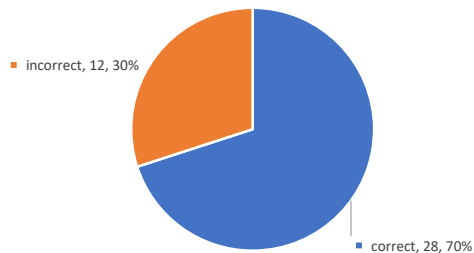
- Rhonchi, 8, 20%
- Fine crackles, 4, 10%
- Coarse crackles, 28, 70%
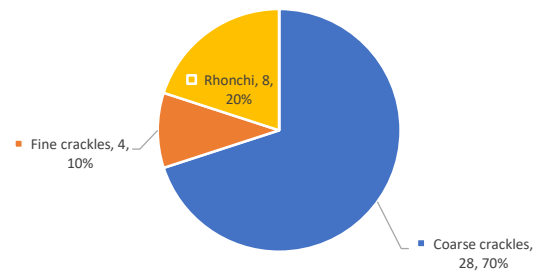
Intern correct % of Q1 n=28

- incorrect, 9, 32%
- correct, 19, 68%

Intern answer % of Q1 n=28
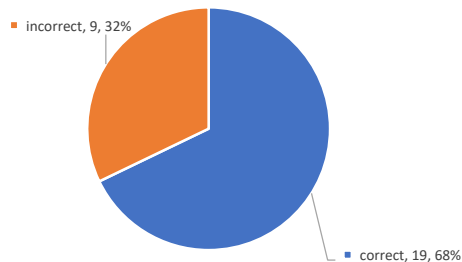
- Rhonchi, 2, 7%
- Fine crackles, 7, 25%
- Coarse crackles, 19, 68%
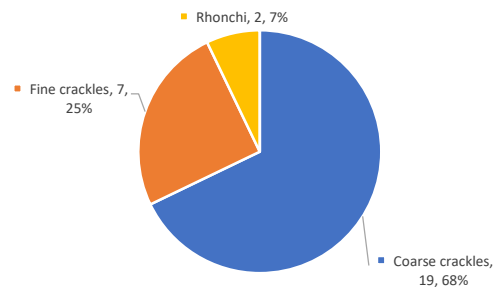
Q2　Pleural friction rub

Type	number	correct		incorrect		Coarse crackles		Fine crackles		Pleural friction ru		unansweared	
Total number	239	126	52.7%	113	47.3%	50	20.9%	63	26.4%	126	52.7%	0	0.0%
Pulmonologist	127	73	57.5%	54	42.5%	23	18.1%	31	24.4%	73	57.5%	0	0.0%
Other specialist	6	4	66.7%	2	33.3%	1	16.7%	1	16.7%	4	66.7%	0	0.0%
Resident	40	22	55.0%	18	45.0%	8	20.0%	10	25.0%	22	55.0%	0	0.0%
Intern	28	11	39.3%	17	60.7%	6	21.4%	11	39.3%	11	39.3%	0	0.0%
Medical student	4	1	25.0%	3	75.0%	2	50.0%	1	25.0%	1	25.0%	0	0.0%
Nurse	9	3	33.3%	6	66.7%	3	33.3%	3	33.3%	3	33.3%	0	0.0%
Physical therapist	1	1	#####	0	0.0%	0	0.0%	0	0.0%	1	#####	0	0.0%
The others	24	11	45.8%	13	54.2%	7	29.2%	6	25.0%	11	45.8%	0	0.0%

Total user correct % of Q2 (Pleural friction rub) n=239

- incorrect, 113, 47%
- correct, 126, 53%
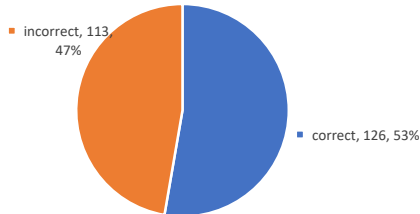
Total sellect answer % of Q2 (Pleural friction rub) n=239
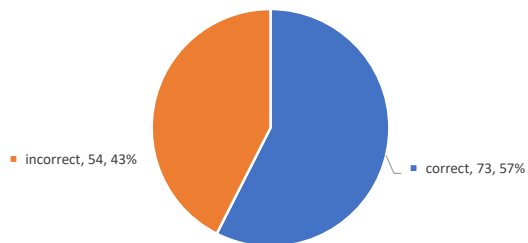
- Coarse crackles, 50, 21%
- Pleural friction rub, 126, 53%
- Fine crackles, 63, 26%

Pulmonologist correct % of Q2 n=127

- incorrect, 54, 43%
- correct, 73, 57%

Pulmonologist answer % of Q2 n=127

- Coarse crackles, 23, 18%
- Pleural friction rub, 73, 58%
- Fine crackles, 31, 24%

Resident correct % of Q2 n=40

- incorrect, 18, 45%
- correct, 22, 55%

Resident answer % of Q2 n=40

- Coarse crackles, 8, 20%
- Pleural friction rub, 22, 55%
- Fine crackles, 10, 25%
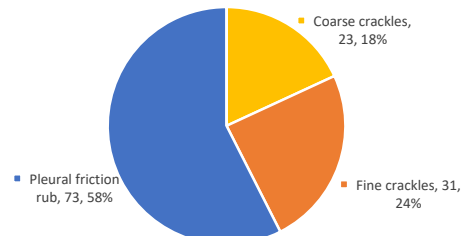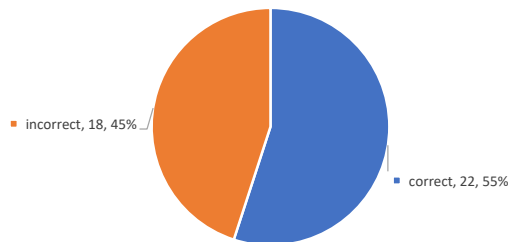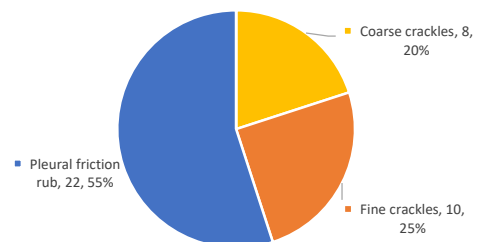
Intern correct % of Q2 n=28

- incorrect, 17, 61%
- correct, 11, 39%

Intern answer % of Q2 n=28

- Coarse crackles, 6, 22%
- Pleural friction rub, 11, 39%
- Fine crackles, 11, 39%
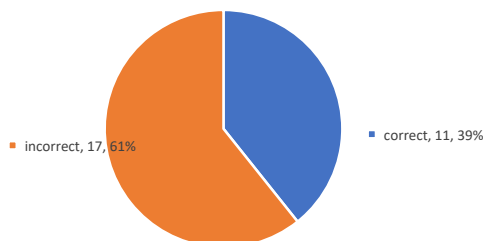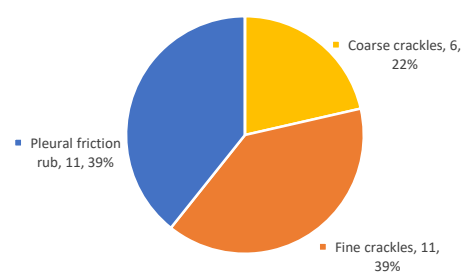
Q3　interstitial pneumonia

Type	number	correct		incorrect		bronchial asthma		bronchial pneumo		interstitial pneum		unansweared	
Total number	239	150	62.8%	89	37.2%	23	9.6%	66	27.6%	150	62.8%	0	0.0%
Pulmonologist	127	90	70.9%	37	29.1%	5	3.9%	32	25.2%	90	70.9%	0	0.0%
Other specialist	6	5	83.3%	1	16.7%	0	0.0%	1	16.7%	5	83.3%	0	0.0%
Resident	40	23	57.5%	17	42.5%	1	2.5%	16	40.0%	23	57.5%	0	0.0%
Intern	28	16	57.1%	12	42.9%	7	25.0%	5	17.9%	16	57.1%	0	0.0%
Medical student	4	1	25.0%	3	75.0%	1	25.0%	2	50.0%	1	25.0%	0	0.0%
Nurse	9	6	66.7%	3	33.3%	0	0.0%	3	33.3%	6	66.7%	0	0.0%
Physical therapist	1	1	#####	0	0.0%	0	0.0%	0	0.0%	1	#####	0	0.0%
The others	24	8	33.3%	16	66.7%	9	37.5%	7	29.2%	8	33.3%	0	0.0%

Total user correct % of Q3
(interstitial pneumonia) n=239

incorrect, 89, 37%
correct, 150, 63%
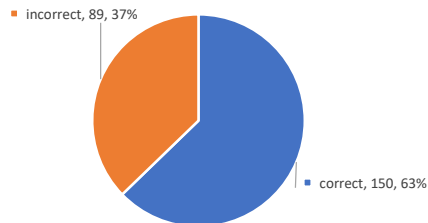
Total sellect answer % of Q3
(interstitial pneumonia) n=239
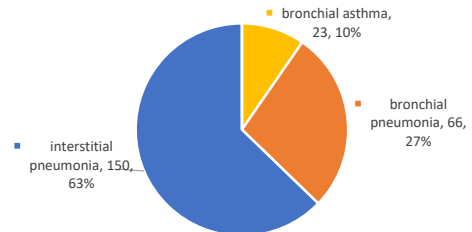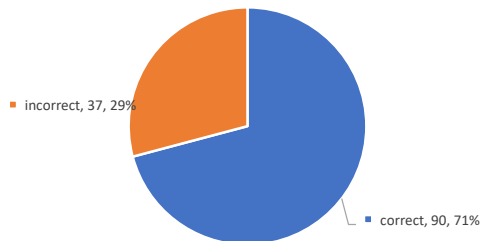
bronchial asthma, 23, 10%
bronchial pneumonia, 66, 27%
interstitial pneumonia, 150, 63%

Pulmonologist correct % of Q3 n=127

incorrect, 37, 29%
correct, 90, 71%

Pulmonologist answer % of Q3 n=127

bronchial asthma, 5, 4%
bronchial pneumonia, 32, 25%
interstitial pneumonia, 90, 71%

Resident correct % of Q3 n=40

incorrect, 17, 43%
correct, 23, 57%

Resident answer % of Q3 n=40

bronchial asthma, 1, 2%
bronchial pneumonia, 16, 40%
interstitial pneumonia, 23, 58%
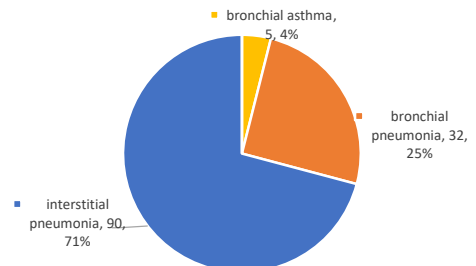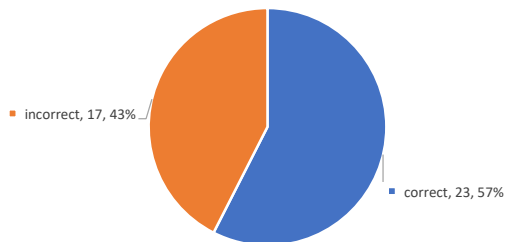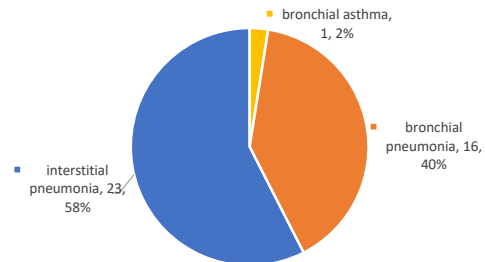
Intern correct % of Q3 n=28

incorrect, 12, 43%
correct, 16, 57%

Intern answer % of Q3 n=28

bronchial asthma, 7, 25%
bronchial pneumonia, 5, 18%
interstitial pneumonia, 16, 57%
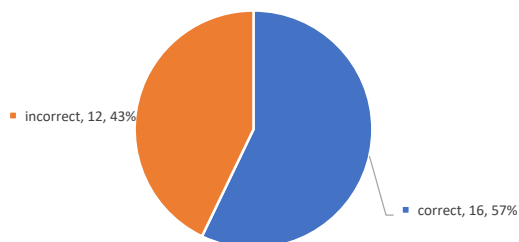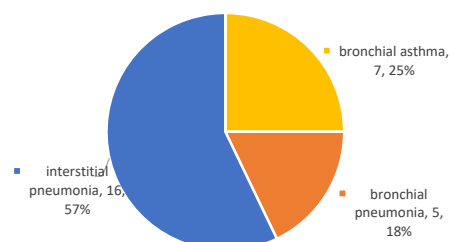
Q4　PH

Type	number	correct		incorrect		Bacterial pneumo		Pulmonary hypert		Left heart failure		unansweared	
Total number	202	49	24.3%	153	75.7%	32	15.8%	49	24.3%	121	59.9%		0.0%
Pulmonologist	107	22	20.6%	85	79.4%	15	14.0%	22	20.6%	70	65.4%		0.0%
Other specialist	5	1	20.0%	4	80.0%	0		1	20.0%	4	80.0%		0.0%
Resident	34	11	32.4%	23	67.6%	4	11.8%	11	32.4%	19	55.9%		0.0%
Intern	24	7	29.2%	17	70.8%	4	16.7%	7	29.2%	13	54.2%		0.0%
Medical student	3	0		3	100.0%	1	33.3%	0		2	66.7%		0.0%
Nurse	7	0		7	100.0%	4	57.1%	0		3	42.9%		0.0%
Physical therapist	1	0		1	100.0%	1	100.0%	0		0			
The others	21	8	38.1%	13	61.9%	3	14.3%	8	38.1%	10	47.6%		0.0%

Total user correct % of Q4 (PH question) n=202
- correct, 49, 24%
- incorrect, 153, 76%
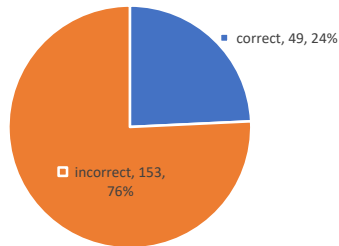
Total sellect answer % of Q4 (PH question) n=202
- Bacterial pneumonia, 32, 16%
- Pulmonary hypertension, 49, 24%
- Left heart failure, 121, 60%
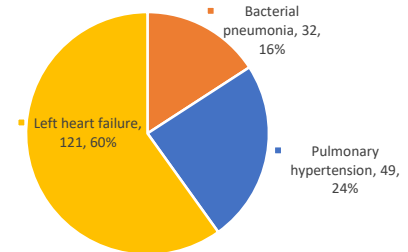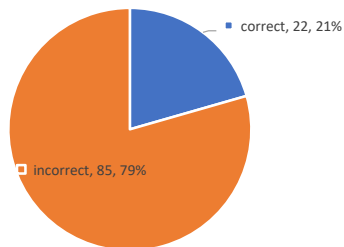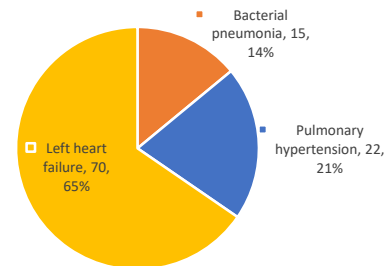
Pulmonologist correct % of Q4 n=107
- correct, 22, 21%
- incorrect, 85, 79%

Pulmonologist answer % of Q4 n=107
- Bacterial pneumonia, 15, 14%
- Pulmonary hypertension, 22, 21%
- Left heart failure, 70, 65%

Resident correct % of Q4 n=34
- correct, 11, 32%
- incorrect, 23, 68%

Resident answer % of Q4 n=34
- Bacterial pneumonia, 4, 12%
- Pulmonary hypertension, 11, 32%
- Left heart failure, 19, 56%

Intern correct % of Q4 n=24
- correct, 7, 29%
- incorrect, 17, 71%
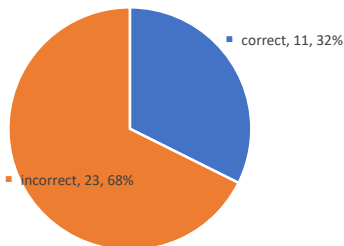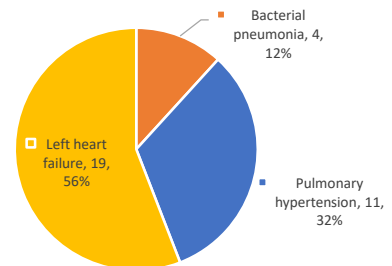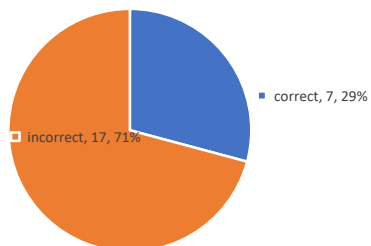
Intern answer % of Q4 n=24
- Bacterial pneumonia, 4, 17%
- Pulmonary hypertension, 7, 29%
- Left heart failure, 13, 54%
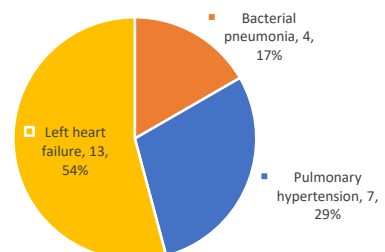
Q5　IPF

Type	number	correct		incorrect		COPD		IPF		Hear failure		unansweared	
Total number	202	92	45.5%	110	54.5%	91	45.0%	92	45.5%	19	9.4%	0	0.0%
Pulmonologist	107	56	52.3%	51	47.7%	45	42.1%	56	52.3%	6	5.6%		0.0%
Other specialist	5	3	60.0%	2	40.0%	1	20.0%	3	60.0%	1	20.0%		0.0%
Resident	34	15	44.1%	19	55.9%	16	47.1%	15	44.1%	3	8.8%		0.0%
Intern	24	6	25.0%	18	75.0%	17	70.8%	6	25.0%	1	4.2%		0.0%
Medical student	3	1	33.3%	2	66.7%	2	66.7%	1	33.3%	0	0.0%		0.0%
Nurse	7	5	71.4%	2	28.6%	2	28.6%	5	71.4%	0	0.0%		0.0%
Physical therapist	1	1	#####	0	0.0%	0	0.0%	1	100.0%	0	0.0%		0.0%
The others	21	5	23.8%	16	76.2%	8	38.1%	5	23.8%	8	38.1%		0.0%

Total user correct % of Q5 (IPF question) n=202

correct, 92, 46%
incorrect, 110, 54%
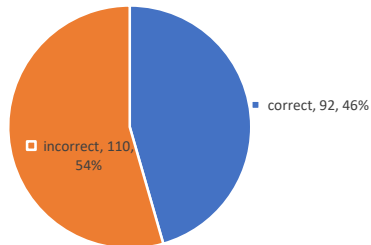
Total sellect answer % of Q5 (IPF question) n=202
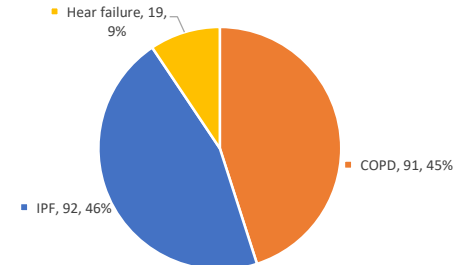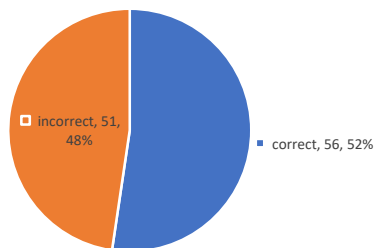
Hear failure, 19, 9%
COPD, 91, 45%
IPF, 92, 46%

Pulmonologist correct % of Q5 n=107

incorrect, 51, 48%
correct, 56, 52%

Pulmonologist sellect answer % of Q5 n=107

Hear failure, 6, 6%
IPF, 56, 52%
COPD, 45, 42%

Resident correct % of Q5 n=34

incorrect, 19, 56%
correct, 15, 44%

Resident sellect answer % of Q5 n=34

Hear failure, 3, 9%
IPF, 15, 44%
COPD, 16, 47%
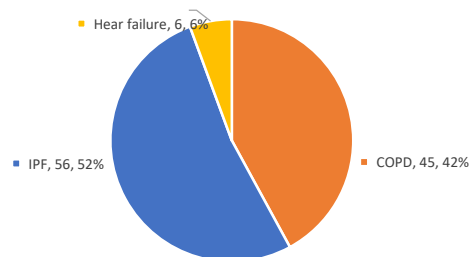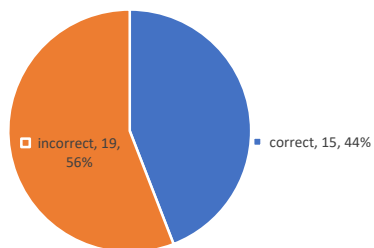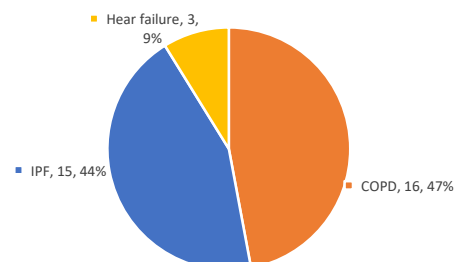
Intern correct % of Q5 n=24

incorrect, 18, 75%
correct, 6, 25%

Intern sellect answer % of Q5 n=24

Hear failure, 1, 4%
IPF, 6, 25%
COPD, 17, 71%