

Supplementary Table 5. Responses of faculty with over 5 years of clinical experience

	Percentage (%)
Neurosurgery boarder common questions	
1. What is the number of beds at the hospital where you work? (40 responders)	
<500	10.0
500-1000	47.5
1000-1500	17.5
>1500	25.0
2. During your current work, how much time is devoted to actual treatment and research of brain tumor patients? (30 responders)	
<30%	23.1
30-50%	12.8
50-80%	23.1
>80%	41.0
3. How satisfied are you as a specialist in brain tumors? (41 responders)	
Regret	5.4
Neutral	46.3
Satisfied	48.3
3-A. If you regret it, is there a special reason? (24 responders)	
Low job satisfaction	8.3
Inappropriate treatment in institute	8.3
Low income	25.0
Low brain tumor patient number	50.1
Etc.	8.3
3-B. If you can re-select your major, what would you like to select?	
Cerebrovascular	60.0
Spine	20.0
Pediatrics	3.3
Functional neurosurgery	6.7
Trauma and critical care	10.0
4. What do you think is most important to increase the application rate for brain tumor residency in the future? (41 responders)	
Opportunity of steady job	34.1
High income	56.1
Improve relationship with seniors	4.9
Increasing support of KBTS	4.9
5. What is the most difficult part about working at a hospital or academic institution while majoring in brain tumors? (40 responders)	
Low number of brain tumor patients	55.5
Additional workload except brain tumor	5.0
Difficulty of brain tumor surgery	14.5
Difficulty of satisfying institutional research workload	25.0
6. Are there any other senior or junior professors currently specializing in brain tumors at the same institution?	
Yes	58.5
No	41.5

Supplementary Table 5. Continued

	Percentage (%)
7. If so, are you satisfied with your relationship with your senior or junior professor?	
Satisfaction	69.0
Neutral	31.0
Unsatisfaction	0.0
8. What do you think about the potential for future development in the field of brain tumors in the Korean medical system?	
Positive	24.4
Neutral	48.8
Negative	24.4
Very negative	2.4
8-A. If negative, for what reason?	
Low surgical fee in South Korea NHIS	35.7
Patient concentration in several major hospitals	60.7
Low infrastructure of brain tumor research	3.6
Pressure for personal revenue in hospital	0.0
Etc.	0.0
9. Are you satisfied with your current medical treatment environment?	
Satisfaction	31.7
Neutral	46.3
Unsatisfaction	22.0
9-A. If you are dissatisfied, what is difficult? (multiple choice)	
Other workload except brain tumor	25.0
Low income	46.9
Low applying brain tumor fellows	37.5
High workload	18.8
10. If you had to choose your major again, would you choose brain tumor?	
Yes, I do	48.8
No, I don't	31.7
Neutral	19.5
11. Why did you choose to major in brain oncology despite the difficult circumstances and why are you currently working there? (multiple choice)	
Sense of duty	47.5
Academic pleasure of brain tumor	62.5
Satisfaction of current job	27.6
Special questions to faculty with over 5 years of clinical experience	
1. How many brain tumor surgeries (craniotomies and biopsies) are performed on average after appointment?	
Under 5 cases per month	41.4
6-10 cases/month	55.2
11-15 cases/month	3.4
2. If your child wants to become a doctor, would you recommend neurosurgery?	
Yes, I do, especially brain tumor	16.7
Yes, I do, but not brain tumor	14.3
No, I don't	45.2
I don't recommend becoming doctor	23.8

Supplementary Table 5. Continued

	Percentage (%)
3. How satisfied are you with your job as a brain tumor specialist?	
Satisfied	12.1
Neutral	41.5
Unsatisfied	36.6
Unsatisfied, move to another job	9.8
4. What is your age?	
30–39 years	2.4
40–49 years	40.5
50–59 years	47.6
Over 60 years	9.5
5. Where do you work?	
Seoul	38.1
Metropolitan area	31.0
Metropolitan city (except Seoul)	21.4
Etc.	9.5
6. What is your current career as a brain tumor professor since you were first appointed?	
5–10 years	21.5
11–15 years	26.2
16–20 years	33.3
Over 21 years	19.0
7. What do you think about the current activities of the KBTS?	
Excellent	7.3
Good	43.9
Neutral	41.5
Bad	7.3
8. Among the activities of the KBTS, what do you think is most necessary for future development?	
Support of junior staff or new members	48.8
Make new educational conferences	24.4
Make new educational programs in current conferences	17.1
Make programs for resident doctors	9.7
9. What is the most important current problem of the KBTS?	
Loss of identity of KBTS	28.9
Loss power of integration of sub-special society	15.8
Closed mind for new members	15.8
Over critics for research and surgery results	0.0
Low chance of educational program	21.1
Closed operation of society	18.4
10. What are the positive aspects of the current KBTS conference program?	
Lecture and educational program	14.6
Scientific program	24.4
Rare case report program	22.0
Program for residents	4.9
Gala dinner	34.1

Supplementary Table 5. Continued

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11. What are the negative aspects of the current KBTS conference program?	
Lecture and educational program	26.3
Scientific program	13.2
Rare case report program	7.8
Resident section	21.1
Gala dinner	18.4
Etc.	13.2

KBTS : Korean Brain Tumor Society, NIHS : National Insurance Health System