#### **Supplements**

# STOP-BANG Sleep Apnea Questionnaire Chung F et al Anesthesiology 2008 and BJA 2012

STOP		
Do you SNORE loudly (louder than talking or loud enough to be heard through closed doors)?	Yes	No
Do you often feel TIRED, fatigued, or sleepy during daytime?	Yes	No
Has anyone OBSERVED you stop breathing during your sleep?	Yes	No
Do you have or are you being treated for high blood PRESSURE?	Yes	No

BANG		
BMI more than 35kg/m2?	Yes	No
AGE over 50 years old?	Yes	No
NECK circumference > 16 inches (40cm)?	Yes	No
GENDER: Male?	Yes	No

TOTAL SCORE		

High risk of OSA: Yes 5 - 8

Intermediate risk of OSA: Yes 3 - 4

Low risk of OSA: Yes 0 - 2



## Sleep Apnea Clinical Score

## Preoperative Questionnaire / Sleep Evaluation

Patien	nt Name:				Date	2	
PATIENT: PLEASEANSWER	1. Have you ever been diagnosed with sleep apnea or use CPAP?  Yes No  If yes, are you using CPAP generally every night for more than 4 hours per night?  Yes No  People who have shared (or are sharing)		ery 4.	Do you have high blood pressure or have you been told to take medication for high blood pressure?  Yes No I have been told by other people that I gasp, choke, snort or stop breathing while I am			
2			snore. Please the frequency				t response for the
E S	snoring:		and mequeiney .		frequency of a	ny of these syr	
Ę	☐ I don't k ☐ Never	now			☐ I don't kno	ow	
2		(1-2 times per	vear)			-2 times per ye	ar)
	☐ Occasio	onally (4-8 tim	es per year)		Occasion	ally (4-8 times	per year)
		mes (1-2 time: 1-2 times per (				es (1-2 times pe 2 times per wee	
		(3-5 times per v				z times per wee 3-5 times per w	
		(every night)*	,			very night)*	,
	Neck Measurement:	cm	To	tal Number of	Historical Fea	turae:	
3	(Circle the patient's score) Prediction of OS						,
NURSING STAFF ONLY			ot Hypertensiv storical Feature			Hypertensive storical Feature	e*
£	Neck Circ (CM)	None	One	Both	None	One	Both
3	<30	0	0	1	0	1	2
8	30-31	0	0	11	1	2	4
×	32-33	0	1	2	1	3	5
- <del>∑</del>	34-35	1	2	3	2	4	8
5	36-37 38-39	1	3 4	5 7	5	6 9	11 16
~	40-41	3	6	10	8	13	22
	42-43	5	8	14	11	18	30
	44-45	7	12	20	15	25	42
	46-47	10	16	28	21	35	58
	48-49	14	23	38	29	48	80
	>49	19	32	53	40	66	110
	*Historical Feature	s: 1. Habitua	al snoring	2. Partner re	eports of gasp	oina, chokina	or snorting
	Probability				ent may be a		
	── Low – Sleep April						tongue base,
1				,		, ,	larged tonsils).
	Borderline - Slee	ep Apnea Clir	nical Score 8-		f checked, co		
2333333 33397 47132 33333 3330 3 14						cessive daytime	
High – Sleep Apnea Clinical Score ≥15							

## Berlin Questionnaire Sleep Apnea

Height (m) Weight (kg) A	ge Male / Female
Please choose the correct response to each	ch question.
Category 1	Category 2
1. Do you snore?	6. How often do you feel tired or
□ a. Yes	fatigued after your sleep?
Db. No	a. Almost every day
□ c. Don't know	□ b. 3-4 times per week
	c. 1-2 times per week
If you answered 'yes':	d. 1-2 times per month
	e. Rarely or never
2. You snoring is:	7. During your waking time, do you
a. Slightly louder than breathing	feel tired, fatigued or not up to
□ b. As loud as talking	par?
c. Louder than talking	a. Almost every day
Annual State of Control of Contro	□ b. 3-4 times per week
3. How often do you snore?	c. 1-2 times per week
	□ d. 1-2 times per month
a. Almost every day	<ul> <li>e. Rarely or never</li> </ul>
□ b. 3-4 times per week	
c. 1-2 times per week	<ol><li>Have you ever nodded off or fallen asleep</li></ol>
□ d. 1-2 times per month	while driving a vehicle?
□ e. Rarely or never	a. Yes
	□ b. No
<ol><li>Has your snoring ever bothered</li></ol>	
other people?	If you answered 'yes':
□ a. Yes	9. How often does this occur?
D b. No	a. Almost every day
c. Don't know	□ b. 3-4 times per week
5. Has anyone noticed that you stop breatly	bing C. 1-2 times per week
during your sleep?	a. 1-2 times per month
during your sleep?	□ e. Rarely or never
□ a. Almost every day	
□ b. 3-4 times per week	Category 3
□ c. 1-2 times per week	
□ d. 1-2 times per month	<ol><li>Do you have high blood</li></ol>
□ □ e. Rarely or never	pressure?
LODA TO SKIP KOMBANDA SKIP OVER SKIP OM SKIP OM SKIP	□ Yes
	□ No

□ Don't know

#### Scoring Berlin Questionnaire

The questionnaire consists of 3 categories related to the risk of having sleep apnea. Patients can be classified into High Risk or Low Risk based on their responses to the individual items and their overall scores in the symptom categories.

#### Categories and Scoring:

Category 1: items 1, 2, 3, 4, and 5;

Item 1: if 'Yes', assign 1 point

Item 2: if 'c' or 'd' is the response, assign 1 point

Item 3: if 'a' or 'b' is the response, assign 1 point

Item 4: if 'a' is the response, assign 1 point

Item 5: if 'a' or 'b' is the response, assign 2 points

Add points. Category 1 is positive if the total score is 2 or more points.

Category 2: items 6, 7, 8 (item 9 should be noted separately).

Item 6: if 'a' or 'b' is the response, assign 1 point

Item 7: if 'a' or 'b' is the response, assign 1 point

Item 8: if 'a' is the response, assign 1 point

Add points. Category 2 is positive if the total score is 2 or more points.

Category 3 is positive if the answer to item 10 is 'Yes' or if the BMI of the patient is greater than 30kg/m<sub>2</sub>.

(BMI is defined as weight (kg) divided by height (m) squared, i.e.., kg/m2).

High Risk: if there are 2 or more categories where the score is positive.

Low Risk: if there is only 1 or no categories where the score is positive.

Additional Question: item 9 should be noted separately.