✓ 恭喜!您通过了!

<b>~</b>	1/1 分数
1. What i	s a critical aspect of experimental design in a functional magnetic resonance imaging study?
	Measure brain activity associated in response to presented stimuli
	All of these options
	All of these options
正确	
	Using carefully selected stimuli to induce a psychological state of interest
	Determine how the stimuli will be organized within the experiment
<b>~</b>	1 / 1 分数
2.	
	ber of technical limitations hinder the experimental design of an functional MRI study. What is not a technical limitation of fMRI?
	Stimulus timing and length
	Subject motion
	Limited visual field and response options
0	Length of the MRI session
正确	
<b>~</b>	1 / 1 分数
3. <b>Wha</b> t i	s an important psychological consideration in the experimental design of a functional MRI study?
	None of these options
0	Does the stimulus induce the psychological state intended
正确	
	Does the task make the subject move too much
	Will the subject be able to respond to all stimuli correctly



4.

Which	of the following statements about resting state functional connectivity studies (rsfMRI) is not true? Experimental design and special applications in neuroimaging mmd file (100%)
	Studying brain activation during rest explores the functional organization of the brain
	Brain activity is observed in the absence of external task demands or stimuli
0	The default mode network is the only functionally organized network that is observed during rsfMRI
<b>正确</b> Sev	eral different independent networks of correlated activation can be observed in rsfMRI data.
<b>~</b>	1 / 1 分数
5. The D	efault Mode Network (DMN) is thought to be involved in?
	Thought to support social cognition and emotion
	Thought to be involved in supporting cognitive function
0	All of these options
正確	
	Thought to support the neurological basis of self, including autobiographical information
<b>~</b>	1 / 1 分数
6. <b>Whic</b> h	of the following statements about the Default Mode Network is not true?
0	Is completely independent from structural connectivity
正確	
	Great overlap in the Default Mode Network between rodent and primate brains
	Tends to be less active when the subject is engaged in the performance of an external task
	Changes in Default Mode Network activation have been observed in a number of diseases and conditions
<b>~</b>	1/1 分数
7. Why is	s hydrogen's the most commonly used gyromagnetic ratio in magnetic resonance imaging?
	Hydrogen is abundant and distributed in form of water and fat
	Hydrogen has an unpaired proton and therefore a magnetic moment
	Hydrogen has a low molecular weight and is therefore easy to excite
0	Hydrogen has an unpaired proton and therefore a magnetic moment and hydrogen is abundant and distributed in form of
	water and fat
正确	

<b>←</b>	A number of brain metabolites can be quantified with magnetic resonance spectroscopy Experimental design and special applications in neuroimaging 测验, 12 个问题	12/12分 (100%)
<b>~</b>	1 / 1 分数	
12. Brain i	metabolites commonly quantified with Magnetic Resonance Spectroscopy are	
	N-acetylaspartate, Lactate, Creatine and Dopamine	
	Lactate, Creatine, Choline and Dopamine	
0	Lactate, Creatine, and Choline	
<b>正确</b> Dop	pamine and Serotonine are neurtransmitters	
	N-acetylaspartate, Creatine, Serotonine and Choline	

