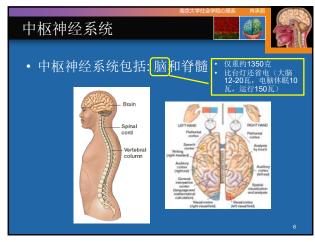
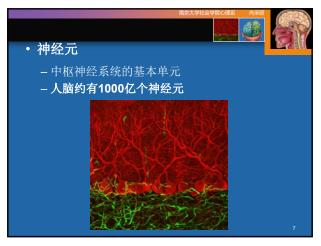


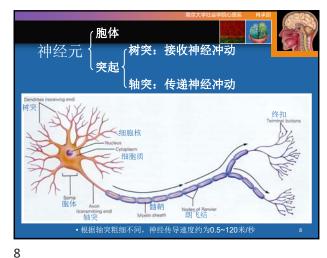
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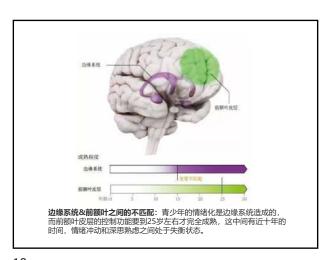


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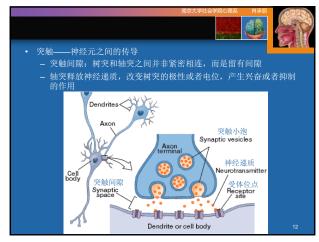






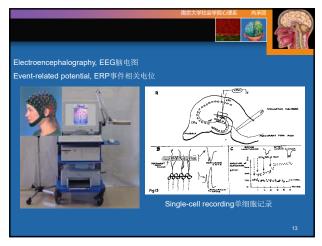
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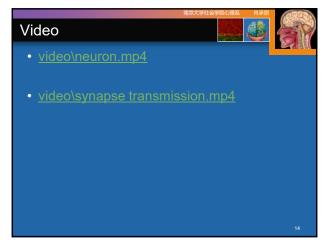




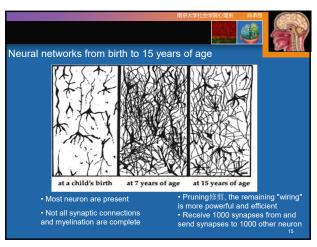
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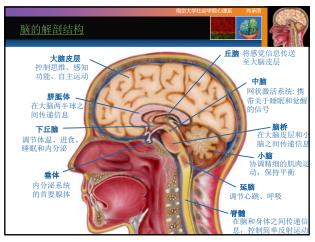


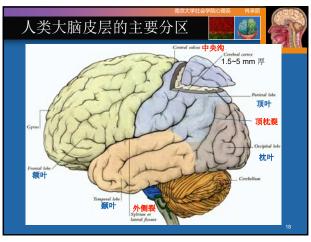
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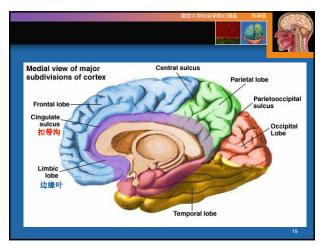
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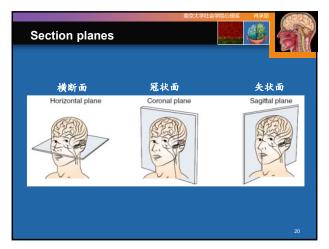




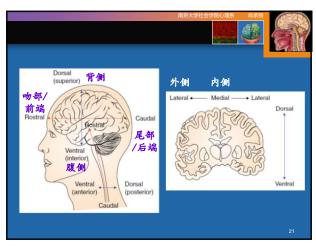
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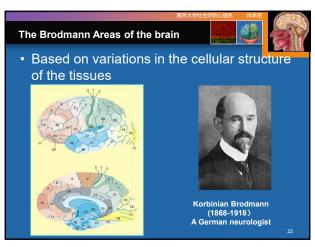
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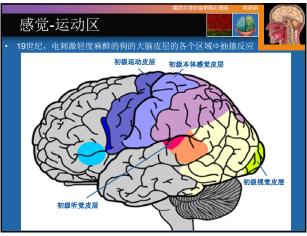
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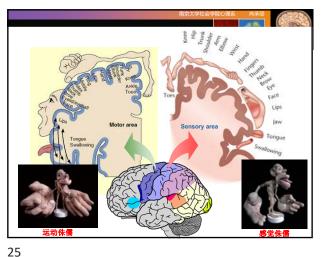


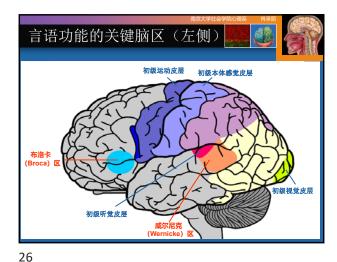
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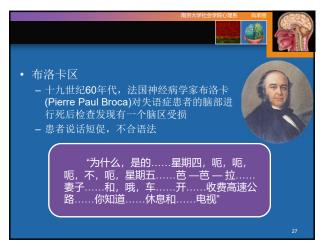


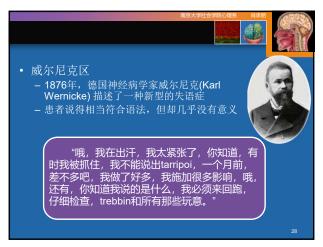


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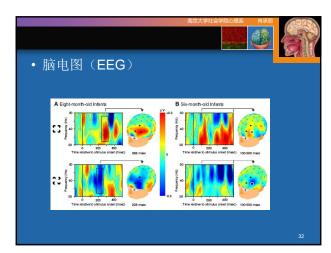


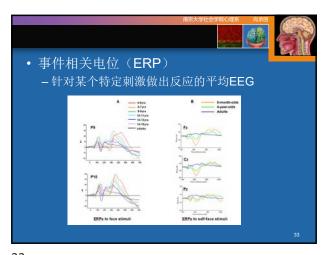








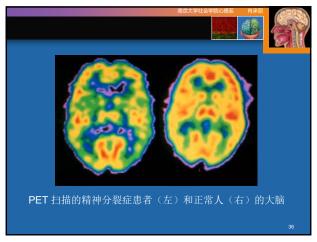






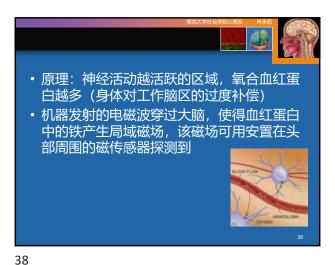
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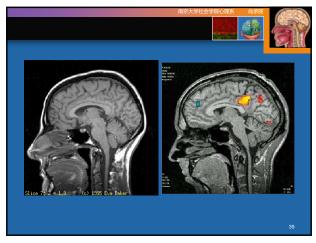




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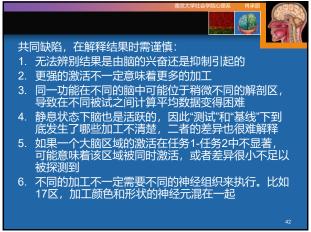






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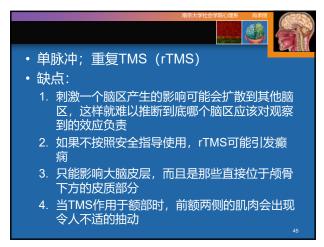
			南京	大学社会学院心理系 肖承丽
方法	空间分辨率	时间分辨率	侵入度	费用 (仪器购置费; 使用费)
脑电 EEG ERP	差 (约1英寸)	优 (毫秒级)	低	低 低
脑磁 MEG	良好 (低于1厘米, 但只能探测 沟,不能探 测回)	优 (毫秒级)	低	昂贵(需要特殊磁屏蔽房间) 中等(需定期维护以保持超导 体处于极低温度下)
PET	良好 (约1厘米)	差 (每40秒产 生一副图像)	高	昂贵(需要回旋加速器) 昂贵(每个被试约2000美元)
磁共振 (f)MRI	极优 (约0.5厘米)	取决于分辨 率水平,通 常几秒钟	低	昂贵 (需要特殊的屏蔽房间) 中等 (需定期维护)
近红外 fNIRS	目前较差 (约2厘米)	高 (最高可达 数10Hz)	中等/低	低 低

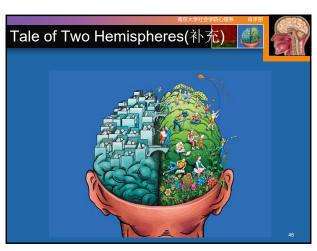


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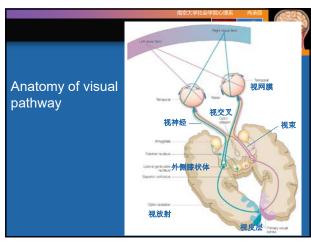


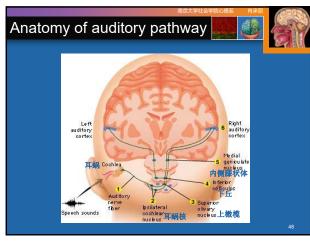




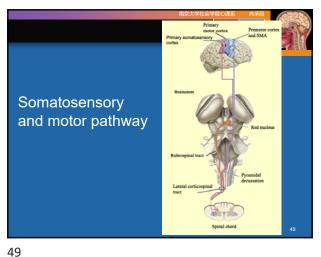


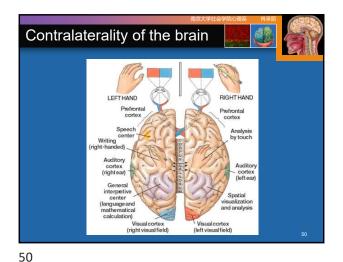
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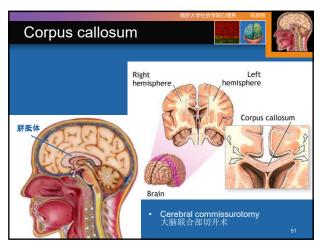


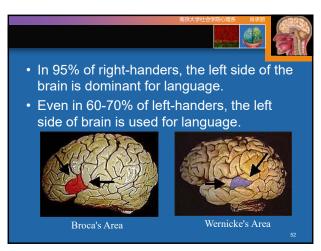


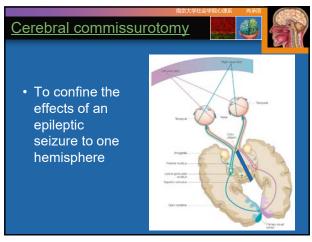
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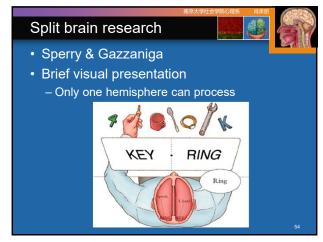


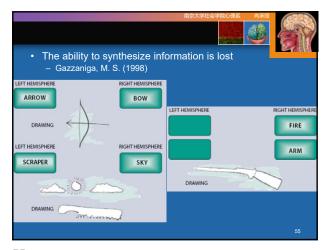


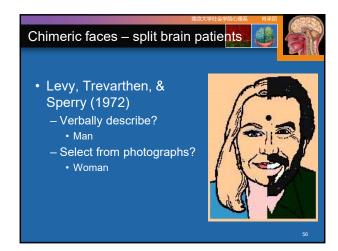


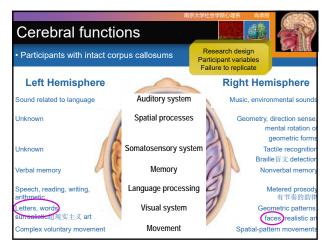






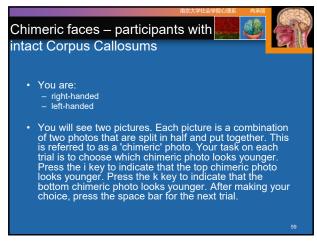


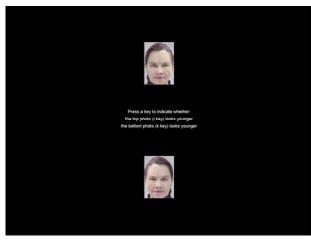




Evolutionary explanation (Corballis, 1989)
 The evolution of hemisphere specialization may be associated with flexibility of thought 思维 灵新性 and generativity生成能力 or the ability to combine elements using rules to create new associations—be they words, sentences, or more complex tools
 Fascinating, but should be considered in light of studies done on language processing and tool use by chimpanzees and apes

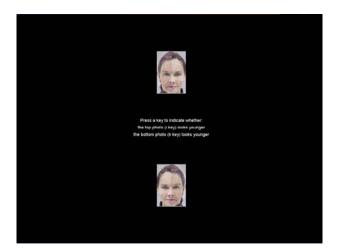
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What methods did we employ in this experiment?

• This experiment was based on a technique proposed by Rueckert (2005)

• On each trial, two chimeric faces were always mirror images of each other, so they had identical age information. Thus, just based on the characteristics of the images, we would expect no preference for one image over another.

• Independent variable

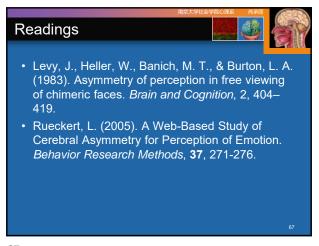
– the construction of the chimeric faces. For one of the faces, the left side of the face was younger than the right side of the face. The opposite was true for the mirror image chimeric face.

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How robust is this effect? Are there limits to this effect?
The difference between right-handed and left-handed people tends to be quite strong and exists for many different situations.
However, an individual person may not show the effect. The lack of an effect for an individual may indicate that hemispheric differences are not very large, or that they judge faces differently than other people. There is natural variation across people.

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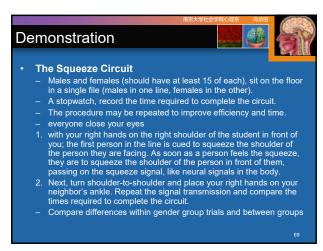


Even in the case of hemisphere specialization, the brain seems to operate as a holistic organ.

 It should be noted that many of the research paradigms reported here involved patients whose corpora callosa had been severed and were designed to demonstrate the bilateral nature of the human brain.

 In normal humans the connective tissues are intact, and the two hemispheres operate cooperatively with massive "communication" between them.

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