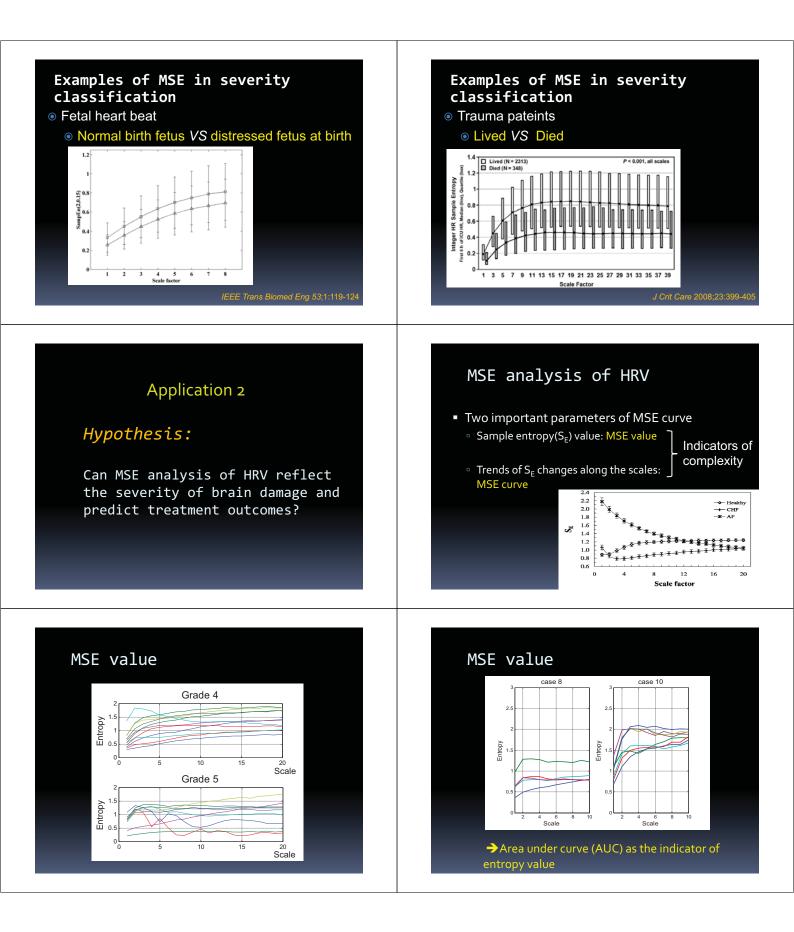
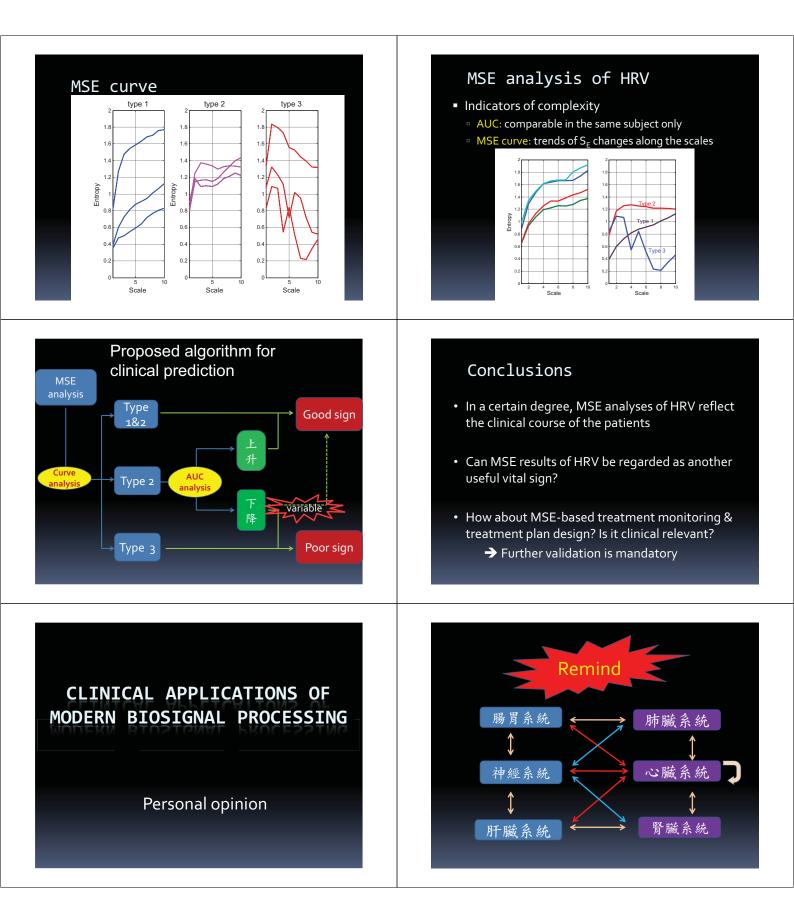


| Conclusions • SAH patients who had early severe complications exhibited an approximately 2~2.5-fold increase in sympathovagal ratio. • Patients who had an increase of 1 unit of LF/HF slope in first three days are 15 times more likely to have severe complications in one week | Application 2Poor grade SAHGrade Signs and symptomsSurvival1Asymptomatic or minimal headache70%2Moderate to severe headache; no neurologic deficit except cranial nerve palsy60%3Drowsy; minimal neurologic deficit50%4Stuporous; possibly early decerebrate rigidity and vegetative disturbances20%5Deep coma; decerebrate rigidity; moribund10% |
|--|---|
| Subarachnoid hemorrhage(SAH) Aneurysm 動脈瘤 Mild Image: Comparison of the symbol of the sy | Poor grade SAH Management of good grade SAH is more straightforward, usually with favorable treatment outcomes Treatment outcomes of poor grade SAH is more variable Good outcome: 40% Poor outcome (vegetation or death): 60% Ethical issue |
| Poor grade SAH • The greatest issue is to find out a reliable way to early predict possible outcomes of the poor-grade patients after treatment | Examples of MSE in severity classification |





Clinical applications of modern biosignal processing

- 新一代的利器,提供傳統判讀無法分析出、甚至不曾得知的新思維。
 - □ 然而,甚麼是最適當的分析方法?
 - So what? Is it just a game?
- 最重要的課題依舊是賦予生理或病理意義,以 及其臨床價值



Thanks for your attention

