

# Pediatric intensive care review: Evolving issues in 2009

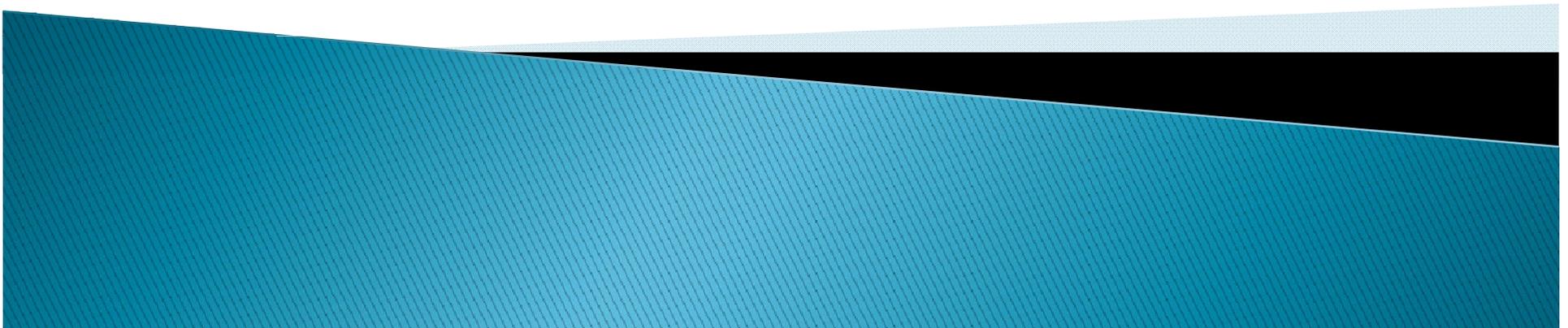
ผศ.พอ.นพ.ดุสิต สถาवर

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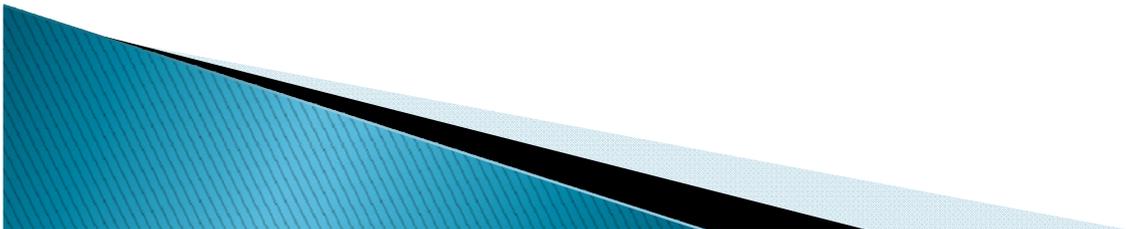
# Hypothermia therapy for cardiac arrest in pediatric patients

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# Future direction in CPR

- ▶ “It hard to make prediction, especially about the future” ..... **Yogi Berra**



# What are the emerging “Hot Topics”?

- ▶ Predicting the future directions is difficult and subjective
- ▶ Therapeutic hypothermia
- ▶ Oxygen toxicity and reperfusion injury
- ▶ Molecular genetics and molecular autopsy
- ▶ Genetic polymorphisms
- ▶ Pre- and postconditioning of the myocardium and brain epithelium

# What are the emerging “Hot Topics”? ;cont’

- ▶ Emergency preservation and resuscitation
- ▶ Postresuscitation myocardial support
- ▶ Neurophysiologic issues
- ▶ Special physiologic situations: example of intrathoracic pressure
- ▶ Mechanical circulatory support
- ▶ Quality of cardiopulmonary resuscitation and resuscitation interventions