Academic Emergency Physician to be a Global Leader

Our big mission is to create regional and global leaders of emergency physician, encouraging medical students and trainees to engage in basic and clinical research. Prof. Nakao has been engaged in the investigations regarding ischemia/reperfusion injury and oxidative stress at University of Pittsburgh for more than ten years and published a number of studies regarding effects of hydrogen gas or carbon monoxide against these injuries. We are looking forward to having you join our program to develop an exceptional physician leaders.

Basic science research

• Exploring the mechanisms and establishment of novel treatment strategies of ischemia/reperfusion injury, acute lung injury, or acute kidney injury caused by hemorrhagic shock or sepsis.
• Application of medical gas using hydrogen or carbon monoxide to treat sepsis or sepsis-induced organ failure.
• Effect of anti-HMGB 1 antibody on influenza-associated encephalopathy.
• Acute traumatic coagulopathy: its mechanisms, prevention, and treatment.
• The beneficial effects of bile pigments for organ grafts after transplantation
• Application of water soluble CO-releasing molecule for organ preservation solution

Clinical research

• Comprehensive approach to improve cardiac arrest outcomes.
• Mobile application development of estimation of pediatric weight for Japanese children.
• Acid-base abnormalities and adjustment after intubation and mechanical intubation in major trauma patients.
• Psychological consequences after a natural disaster.
• Effects of hydrogen inhalation for post cardiac arrest syndrome
• Feasibility study of a portable transparent vinyl chloride shield for use in an ambulance during the COVID-19 pandemic

Contact to: Emergency, Critical Care and Disaster Medicine (Atsunori Nakao)
2-5-1 Shikata-cho Kita-ku Okayama-shi, Okayama 700-8558
tel. +81(0)86-235-7427 fax. +81(0)86-235-7427 E-mail: qq-nakao@okayama-u.ac.jp