



## Plenary lecture IV

# The Development and Impact of Emergency Medical Services as a Medical Subspecialty in the United States

時間：2026年6月27日(六) 11:00~11:25

會議室：101 會議廳

座長：江文莒醫師(臺大醫院雲林分院)、林宏榮醫師(奇美醫院)

主講人：Michael Levy (Anchorage Areawide EMS, State of Alaska Office of EMS)

課程簡介

Achieving recognition as a formal medical subspecialty within the American Board of Medical Specialties (ABMS) framework represents one of the most consequential institutional accomplishments in the history of Emergency Medical Services. This presentation examines the deliberate, multi-decade effort required to satisfy the ABMS's rigorous criteria for subspecialty designation, and the transformative impact that recognition has had on the field.

Central to this process was the codification of a distinct and defensible body of knowledge unique to EMS medicine — one that differentiated pre-hospital and out-of-hospital care from the broader discipline of Emergency Medicine. This required systematic literature development, consensus-driven clinical guidelines, and the articulation of core competencies encompassing medical oversight, system administration, disaster medicine, and pre-hospital intervention science.

Equally critical was the establishment of structured fellowship training programs, which formalized the pathway through which physicians acquire subspecialty expertise. The presentation traces the development of EMS fellowship curricula, the standardization of training benchmarks across institutions, and the role of organizations such as the National Association of EMS Physicians in building the academic and professional infrastructure necessary to satisfy ABMS oversight requirements.

The pathway also demanded demonstrated scholarly productivity, board examination development, and evidence that a sufficient critical mass of trained practitioners existed to sustain an independent subspecialty community. The eventual ABMS approval of EMS as a subspecialty in 2010, with the first certifying examination administered in 2013, is examined as the culmination of these coordinated institutional efforts.

The presentation concludes by evaluating how subspecialty status has elevated physician leadership in EMS systems, strengthened medical direction standards, and legitimized EMS medicine within academic medical centers.



## Michael Levy

Organization : Anchorage Areawide EMS, State of Alaska Office of EMS

Title : Chief Medical Officer for Anchorage Areawide EMS

Medical Director for Emergency Programs State of Alaska

Current positions : As above, also Medical Director: Anchorage Fire Department, Chugiak Volunteer Fire Department, Kenai Peninsula Borough EMS, Fairweather LLC, SALA Remote Medics, Aff.Assoc Prof Univ of AK Anchorage

Michael Levy M.D, FAEMS, FACP, is an EMS physician based in Anchorage Alaska.

He is the Chief Medical Officer for Anchorage Areawide EMS and the Medical Director for the Anchorage Fire Department, EMS Medical Director for the Kenai Peninsula Borough, the Medical Director for Emergency Programs for the State of Alaska, and he proudly serves as the medical director for a number of other Alaska EMS agencies. He is a Past President of NAEMSP (2021, 2022) He has been involved in EMS from from Chicago to the Navajo Nation and for the last two decades in Alaska. He has numerous medical publications with a professional focus on resuscitation. His goal in EMS is to enable providers to improve the outcome of their patients through personal empowerment via education, training, and evidence-based practice.

His undergraduate degree was from the University of Colorado Boulder and his M.D. from Northwestern University followed by residencies in Emergency Medicine and Internal Medicine with board certifications in both as well as subspecialty boards in EMS Medicine. He is Affiliate Associate Professor with the University of Alaska Health Sciences and practices community-based emergency medicine.