MEDICAL POLICY CONSIDERATIONS
FOR RECREATIONAL
AND
PRIVATELY SPONSORED EXPEDITIONS

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ADVENTURE TRAVEL

$ 40 billion business

Rapidly growing

Increased risk concerns

Few guidelines for medical care
ADVENTURE TRAVEL

Guided sponsored tours

Private expeditions

Scientific expeditions

Competitive sporting events
PUBLIC POLICY ISSUES

Travelers lack of knowledge

Resources for information

Insurance
  • Personal travel insurance
  • Medical malpractice

Guidelines
PUBLIC POLICY ISSUES

TRAVELERS LACK OF KNOWLEDGE

• Reliance on local primary care for prep
  • Impact of stress on disorders
  • Personal insurance coverage
• Travel guide medical experience
  • Personal preparation
PUBLIC POLICY ISSUES

INFORMATION RESOURCES

- CDC
- Travel medical insurance companies
- Local travel clinics
PUBLIC POLICY ISSUES

INFORMATION RESOURCES

- Int Assoc for Med Assist to Travelers (IAMAT)
  - Divers Alert Network (DAN)
  - Wilderness Medical Society (WMS)
  - Int Society of Travel Medicine (ISTM)
- The Explorers Club
- Expedition Medicine Advisory Council
PUBLIC POLICY ISSUES

INSURANCE

Personal travel medical insurance

• Medical coverage in country
• Evacuation
• Kidnap and Ransom

Malpractice for physicians
WHAT IS ADVENTURE RACING?
Organized endurance multisport race

Multiple non-motorized modes of travel combined with exploration of remote areas

Team effort

Male and female contestants
WHAT IS ADVENTURE RACING?

Roots in New Zealand

First official race Raid Gauloises 1989

Eco-Challenge 1995

Dynamic and fast growing
WHAT IS ADVENTURE RACING?

- Trekking
- Mountain biking
- Paddling
- Mountaineering
- Marathon running
- Navigation
- Swimming
- Rope skills
- Horse riding
- Caving
- Inline skating
WHAT IS ADVENTURE RACING?

- Sprint races
  2-8 hours

- Weekend race
  12-30 hours

- Expedition-style race
  3-10 days, 250-500 miles

- Stage races
  2-4 days, clock stops each day
GLOBAL EXTREMES:
MT. EVEREST-4RUNNERS OF ADVENTURE

AN EPIC JOURNEY FOR ATHLETE AND MACHINE

Imagine an adventure spanning four continents, eleven time zones and 15,875 kilometers. In January 2003, twelve amateur athletes start this epic journey. Each team will have a special teammate, the all-new Toyota 4Runner. This vehicle will be an indispensable part of the challenge, working as one with the athletes as they test their own limits.

Making their way to the final destination of Mt. Everest, the athletes and their 4Runners will be tested by the sweat of the Kalahari Desert, mountain biking in Costa Rica, and snow climbing in Iceland. Finally, five athletes will be chosen to attempt the summit of Mt. Everest in Tibet. Tune in to join their adventure.
EXPEDITION MEDICINE

Multidisciplinary approach
to health and safety in the field

Elements of travel medicine, public health, tropical medicine, infectious disease, military, and environmental medicine
WHAT DOES THE ADVENTURE RACER SEE?

Expedition

Adventure

Challenge

Competition
WHAT DOES THE DOCTOR SEE?

- Trauma
- Hypothermia
- Rescue need
- Evacuation
ADVENTURE RACING

COMMON MEDICAL PROBLEMS

- Dehydration
- Foot problems
- Hypothermia
- Trauma
ADVENTURE RACING
COMMON MEDICAL PROBLEMS

- Ophthalmic injuries
- Insect bites
- Gastroenteritis
- Fatigue
- Trauma
ARE YOU READY?
WHITBREAD VOLVO RACE
IDITAROD RACE
EXPEDITION MEDICINE

MEDICAL ISSUES

• PREPARATION
  • Location, duration, personnel
  • Immunization and prophylaxis
  • Medical supplies
• Travel medical and evacuation insurance
EXPEDITION MEDICINE

MEDICAL RESPONSIBILITIES

- Medical information about participants
- Medical supplies
- Communication
- Case management and evacuation strategy
EXPEDITION MEDICINE

LOCATION

• Climate, terrain, season
• Regional medical resources
• Evacuation routes
• Geopolitical considerations
EXPEDITION MEDICINE
EXPLORERS CLUB FLAG EXPEDITIONS 2003

- Annamite Mts in Laos
- Underwater cave system Yucatan
- Elephant seal migration Mexico
- Deep Flight Aviator submersible tests
- Papua New Guinea jungles
- Active volcano Tanzania
EXPEDITION MEDICINE
EXPLORERS CLUB FLAG EXPEDITIONS 2003

• Reed boat exped Chile to Australia
  • 50th anniversary Everest
• Pre-Columbian tomb excavation Mexico
  • New Inca sites Peruvian Andes
• Northernmost point of land on earth
• Ethnographic rescue of Java tribe
EXPEDITION MEDICINE

LOCATION

• Immunizations, prophylaxis

• Specialized medical needs
  Hyperbaric facilities, antivenom, rabies IG

• Resupply resources
SAFE WATER SUPPLY
EXPEDITION MEDICINE

PERSONNEL

Medical history of each person

• Medical problems
  • Medications
  • Allergies
  • Insurance
• Emergency contact
EXPEDITION MEDICINE

EXPEDITION PERSONNEL

Establish rapport with expedition leader
  • Chain of command
  • Algorithms for adverse medical event

Psychological assessment

ANTICIPATE PROBLEMS
EXPEDITION MEDICINE

DOCUMENTS

Passport and Visa

• Spare photocopies in separate location
• Anticipate alternate emergency route
• Photocopies of expedition personnel
• Permits or documents for controlled substances
EXPEDITION MEDICINE

INSURANCE

Most standard medical insurance is inadequate for remote travel.

Tour groups and credit cards have, at best, modest evacuation and medical benefits.

READ THE FINE PRINT
EXPEDITION MEDICINE
EVACUATION INSURANCE

• Most travelers do not carry this insurance

• Tens of thousands $ to evacuate without coverage

Medical coverage in country

• Family visits, return of companion
  • Repatriation of remains
EXPEDITION MEDICINE

EVACUATION INSURANCE

Most credit cards do not have adequate evacuation insurance.

Many insurance companies

- Worldwide Assistance
- EuroAssistance
- SOS
EXPEDITION MEDICINE

CONCLUSIONS

Need for guidelines

Information resources
  • Standardization
  • Access

Proper risk assessment and coverage
THE END