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**Ayisyen Rezo Medikal**

*(Formally Known as PAPMO)*

Spring 2012 EMT Course

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BANSHEE ORGANISATION

Haiti EMT-B

Course Outline

Prepared by Eric Adman, Paramedic, Haiti EMT Curriculum Director, Empact Northwest

February 12, 2012

Overview

This outline covers the planned April 2 – May 25, 2012 EMT-B course being offered by Empact Northwest in Port-Au-Prince, Haiti. This class will be delivered in English, however, we are working toward delivering future courses in Haitian Creole or French.

Curriculum

The curriculum is based on the standard EMT-B course, with some deletions and some additions to tailor the course to the environment a Haitian EMT will be working in. Reference material includes the following:

* AAOS Emergency Care & Transportation of the Sick & Injured, 9th edition (“AAOS”)
* LAHAF / GAI Emergency Healthcare Provider Course (“GAI”)
* WEMT / remote medical protocols (“Remote”)

Instructors

Instructors will be primarily US-trained paramedics and EMT’s. Empact Northwest and the Banshee organization, both of whom completed recent EMT courses in Haiti, will provide instructors. Empact Haiti and GAI will provide Haitian instructors-in-training.

The course will have the following instructor structure -A minimum of one senior instructor, one junior instructor, and one Haitian instructor-in-training will always be present to conduct training. During more personnel-intensive sections, such as MCI drills, more instructors will be present.

Roles are as follows:

* Senior / QA instructors – experienced EMS instructors with experience working in Haiti. Administer, provide quality assurance, co-instruct.
* Junior instructors – co-instruct with Senior/QA instructors. Varying levels of teaching and deployment experience.
* Haitian instructors-in-training – recent graduates from PAPMO and GAI EMT courses will help deliver curriculum material, translate where needed, and help administer practical drills. The intent is to develop them as future course instructors.

Prerequisites for this course

* Recommended but not required – Completion of the Creole language First Aid course being offered by St. John’s at the Haitian National Police training facility. William Black, program coordinator for St. John’s, will facilitate scheduling students for class openings.
* Required – Ability to communicate in English and familiarity with basic medical terminology.

Daily guidelines/goals

* Reading requirements will be approximately 40 pages per day, or 200 pages per week
* Daily quizzes will be given to assess the students’ level of retention
* Students will practice patient interviews and patient exams appropriate to topics of the day. NREMT skills sheets will be used when appropriate to document skills assessments.

Weekly guidelines / goals

* Monday-Friday will be lectures and practical drills at the Aimer Haiti classroom location. Class hours will run from 9am-12pm, one hour lunch, and then 1pm to 4 or 5 pm depending on need.
* Saturdays will be hands-on patient assessment practice at Medishare. The intent is to have half the students rotate through in the morning, from approximately 9 am-1pm, and half rotate through in the afternoon, from 1-5 pm. Patient contacts should be documented using the SOAP format. Students will work under the supervision of experienced EMT’s.

Course summary

* Weeks 1-5 – Review of EMT-B curriculum and development of exam skills
* Week 6 – Coverage of remote medicine concepts appropriate to Haiti
* Week 7 – IMS/MCI lectures and MCI practical drills
* Week 8 – Final Written and Practical Exams and Graduation

Uniforms

* Uniform t-shirts with the class logo will be provided
* Long pants and closed-toe shoes should be worn with the uniform t-shirt during class
* Graduation uniforms will be provided – agencies providing students to the class should provide a shoulder patch insignia for the uniform. This will be worn on one shoulder with the Consortium patch on the other shoulder.

Meals

Sponsoring agencies will be asked to provide money for lunch for their students.

Classroom location

Aimer Haiti

390 Bourdon (Avenue John Brown)

Port-Au-Prince, Haiti, HT6114

Program Administrator

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|  | **Week 1** |  |
| Date | Topic | Reference / Reading |
| 4/2 | **SECTION 1 – PREPARING TO BE AN EMT**Course expectations, outline, syllabusIntroduction - Preparing to be an EMT in Haiti* Emergency Healthcare
* Healthcare
* Roles and Responsibilities
* Quality Improvement
* Medical Direction

Personal Safety* Death and Dying
* Personal Stress
* Scene Safety

Medical, legal, ethical issuesQuiz | Student manual - allAAOS Ch. 1, pp. 1-21,GAI – health system in HaitiAAOS Ch. 2 pp. 22-69GAI – local custom & lawAAOS Ch. 3, pp. 70-90, GAI – local custom & law |
| 4/3 | Overview of Anatomy & Physiology* Musculoskeletal system
* Respiratory & circulatory systems

Quiz | AAOS Ch. 4, pp. 90-124 |
| 4/4 | Overview of Anatomy & Physiology* Nervous system
* Skin
* Endocrine system
* Genito-urinary systems

Quiz | AAOS Ch. 4, pp. 125-143 |
| 4/5 | Initial Assessment (lecture)* Vital signs
* SAMPLE history

Initial Assessment (practicals)ShockQuiz | AAOS Ch. 5, pp. 144 – 167AAOS Ch. 23, pp. 676-695 |
| 4/6 | Lifting and Moving Patients (lecture)* Body Kinetics
* Lifting Techniques
* Urgent and Non-Urgent Moves
* Lifting and Moving Equipment
* Improvising with local materials

Lifting and Moving Patients (practice)Introductory concepts, A&P review**Section 1 Written Test**Practical reviews – vitals, lifting and moving | AAOS Ch. 6, pp. 168-207GAI –local materials & techniques |
| 4/7 | Medishare rotations – practice obtaining vital signs and conducting SAMPLE histories; document contacts |  |

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|  | **Week 2** |  |
| Date | Topic | Reference / Reading |
| 4/9 | **SECTION 2 – AIRWAY**Airway (lecture)* Assessment
* Airway Opening and Management
* Artificial Ventilation

Airway (skills practice)**SECTION 3 – PATIENT ASSESSMENT**Scene Assessment* Scene Size-Up
* Protection of Scene Personnel
* Initial Assessment

Practical - initial assessment & vitalsQuiz | AAOS Ch. 7, pp. 208-255AAOS Ch. 8, pp. 258-270 |
| 4/10 | Trauma Assessment (lecture)* Mechanism of Injury (MOI)
* Rapid Trauma Assessment

QuizTrauma Assessment (practical s) | AAOS Ch. 8, pp. 283-294 |
| 4/11 | Medical Assessment (lecture)* Nature of Illness
* Rapid Medical Assessment
* Special Medical Considerations

Advanced Assessment* Detailed Physical Examination
* Ongoing Assessment

Communication and documentation* SOAP format for verbal & written reporting

QuizMedical Assessment (practicals)**Section 2 & 3 Written Test** | AAOS Ch. 8, pp. 295-309 |
| 4/12 | **SECTION 4 – MEDICAL EMERGENCIES**Medication / Pharmacology* Medication Information, Administration
* Medication Actions
* Ethnomedicine
 | AAOS Ch. 10, pp. 342-348, 361-363GAI –ethnomedicine |
| 4/13 | Respiratory Emergencies (lecture)Respiratory Emergencies (practical)* Listening to lung sounds
* Assessment & treatment

Airway & Patient Assessment review examPractical reviews – Patient exams, various scenarios from weekly topics | AAOS Ch. 11, pp. 364-397 |
| 4/14  | Medishare rotations – practice vital signs, inteviews, and exams. Document patient contacts. |  |

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|  | **Week 3** |  |
| 4/16 | Cardiovascular Emergencies – lectureCardiovascular Emergencies – practice examsAdult, child, infant CPR & FBAO reviewCPR practice | AAOS Ch. 12, pp. 395-437AHA CPR guidelines? |
| 4/17 | Neurologic EmergenciesAbdominal PainQuizPatient interview & exam practice | AAOS Ch. 13, pp. 438-464AAOS Ch. 14, pp. 465-479 |
| 4/18 | Diabetic EmergenciesAllergic Reactions, Bites & StingsRegional Illnesses & AssessmentQuizPatient interview & exam practice | AAOS Ch. 15, pp. 480-497AAOS Ch. 16, pp. 498-515, GAI – local hazards & illnesses |
| 4/19 | Substance Abuse and PoisoningEnvironmental EmergenciesQuizPatient interview & exam practice | AAOS Ch. 17, pp. 516-543AAOS Ch. 18, pp. 542-581 |
| 4/20 | Behavioral Emergencies / Altered Mental StatusObstetrical EmergenciesQuizPatient interview & exam practice | AAOS Ch. 19, pp. 582-592AAOS Ch. 20, pp. 598-627 |
| 4/21 | Medishare rotations – practice vital signs, inteviews, and exams. Document patient contacts. |  |

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|  | **Week 4** |  |
| 4/23 | **Section 4 Written Test** **SECTION 5 – TRAUMA**Kinematics of Trauma / Mechanism of InjuryQuizPatient interview & exam practice | AAOS Ch. 21, pp. 628-647 |
| 4/24 | BleedingSoft Tissue InjuriesQuizPatient interview & exam practicePracticals – controlling bleeding, bandaging | AAOS Ch. 22, pp. 648-675AAOS Ch. 24, pp. 696-733 |
| 4/25 | Eye InjuriesFace & Throat InjuriesQuizPatient interview & exam practice – eye, face & throat | AAOS Ch. 25, pp. 734-755AAOS Ch. 26, pp. 736-775 |
| 4/26 | Chest InjuriesAbdominal InjuriesQuizPatient interview & exam practice – chest & abdomen | AAOS Ch. 27, pp. 776-795AAOS Ch. 28, pp. 796-817 |
| 4/27 | Musculoskeletal InjuriesQuizPracticals – splinting | AAOS Ch. 29, pp. 818-869 |
| 4/28 | Medishare rotations – practice vital signs, inteviews, and exams. Document patient contacts. |  |

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|  | **Week 5** |  |
| 4/30 | Head & Spine InjuriesQuizPatient interview & exam practicePracticals – bandaging, cc/bb, patient packaging**Section 5 Written Test** | AAOS Ch. 30, pp. 870-911 |
| 5/1 | **SECTION 6 – SPECIAL POPULATIONS**Pediatric EmergenciesPediatric Assessment and ManagementQuizPatient interview & exam practice | AAOS Ch. 31, pp. 912-939AAOS Ch. 32, pp. 940-983 |
| 5/2 | Geriatric EmergenciesGeriatric Assessment and ManagementQuizPatient interview & exam practice | AAOS Ch. 33, pp. 984-1001AAOS Ch. 34, pp. 1002-1019 |
| 5/3 | **SECTION 7 – OPERATIONS**Patient Acces / ExtricationIntroduction to IV’s and IV fluidsQuizPracticals – extrication, setting up IV bags | AAOS Ch. 36, pp. 1056-1071AAOS Ch. 40, pp. 1164-1179 |
| 5/4 | **Section 6 & 7 review exam**QuizPatient interview & exam practicePractical scenarios - various |  |
| 5/5 | Medishare rotations – practice vital signs, inteviews, and exams. Document patient contacts. |  |

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|  | **Week 6** |  |
| 5/7 | **REMOTE/INDEPENDENT MEDICINE**Remote Medicine Need / Context in HaitiRemote Medical Carries / Lifts    A. Webbing carry and piggyback carry      B. Split rope coil carry      C. Pole carry      D. Pack carry      E. Rope and pole litter      F. Pole litter      G. Blanket litter      H. Rope litter       I. Mummy litter      J. Low angle belay      K.  Litter carry techniques, long distance      L. Caterpillar walk | Remote |
| 5/8 | Awareness Level * Light Urban Search and Rescue
* Swift Water Rescue
 | Remote |
| 5/9 | Advanced medical techniques  A. C-Spine clearance in the field for EVAC purposes (Nexus rules)      B. Significant ankle injury clearance in the field for EVAC purposes      C. Reduction of simple dislocations (shoulder, digit, mandible) and fractures in the field      E. Other TK applications in MCI      F. Foreign body / impaled object removal in the field | Remote |
| 5/10 | Packaging* Patient packaging for extended field Evac by litter
* Hypothermia wrap (for high altitude ops in Haiti as well as for major trauma)

Remote / Improvised Splinting | Remote |
| 5/11 | Field SanitationHydrationBasic “sick call” medicines | Remote |
| 5/12 | Medishare rotations – practice vital signs, inteviews, and exams. Document patient contacts. | Remote |

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|  | **Week 7** |  |
| 5/14 | IMS / MCI / TriageTabletops / practicals | AAOS Ch. 37, pp. 1072-1097 |
| 5/15 | MCI drill preparation |  |
| 5/16 | MCI drill # 1 |  |
| 5/17 | MCI drill debrief, prep for drill # 2 |  |
| 5/18 | MCI drill # 2 |  |
| 5/19 | Review for final written exam |  |

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|  | **Week 8** |  |
| 5/21 | Final written exam |  |
| 5/22 | Review of written resultsFinal practical exams – practice sessions |  |
| 5/23 | Final practical exams |  |
| 5/24 | Final practical exams (if needed), review of practicals, graduation prep |  |
| 5/25 | Graduation ceremony |  |
| 5/26 |  |  |