

# Advanced life support provider course programme

## With suggested timings based on 24 Candidates in 4 groups of 6

(To be adjusted according to Candidate numbers)

### Day 1

| Timing to be decided locally |        | Faculty meeting and registration                                                                                                                                                                                                                                 |         |         |         |
|------------------------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|
| 08:45                        | 10 min | <b>Lecture:</b> Introduction to the ALS course                                                                                                                                                                                                                   |         |         |         |
| 08:55                        | 25 min | <b>Lecture:</b> Recognition and prevention of deterioration using the ABCDE approach                                                                                                                                                                             |         |         |         |
| 09:20                        | 20 min | <b>Lecture:</b> Cardiac causes of cardiac arrest                                                                                                                                                                                                                 |         |         |         |
| 09:40                        | 60 min | <b>Demonstration/lecture</b>                                                                                                                                                                                                                                     |         |         |         |
|                              |        | <ul style="list-style-type: none"> <li>CASDemo (including non-technical skills)</li> <li>ALS Algorithm</li> </ul>                                                                                                                                                |         |         |         |
| 10:40                        | 15 min | Tea / coffee break                                                                                                                                                                                                                                               |         |         |         |
| 10:55                        |        | <b>Skill stations and workshops:</b> <ul style="list-style-type: none"> <li>Associated Resuscitation Skills including IO</li> <li>The deteriorating patient (ABCDE approach)</li> <li>Rhythm Recognition</li> <li>High quality CPR and Defibrillation</li> </ul> |         |         |         |
|                              |        | <b>Associated Resuscitation Skills Inc. IO</b>                                                                                                                                                                                                                   |         |         |         |
| 10:55                        | 70 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
|                              |        | <b>The deteriorating patient (ABCDE approach)</b>                                                                                                                                                                                                                |         |         |         |
| 12:05                        | 30 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
| 12:35                        | 45 min | Lunch break                                                                                                                                                                                                                                                      |         |         |         |
| 13:20                        |        | <b>Skill stations and workshops</b> continued                                                                                                                                                                                                                    |         |         |         |
|                              |        | <b>Rhythm recognition</b>                                                                                                                                                                                                                                        |         |         |         |
| 13:20                        | 50 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
|                              |        | <b>High quality CPR and Defibrillation</b>                                                                                                                                                                                                                       |         |         |         |
| 14:10                        | 50 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
| 15:00                        | 25 min | <b>Lecture:</b> Post-resuscitation care                                                                                                                                                                                                                          |         |         |         |
| 15:25                        | 15 min | Tea / coffee break                                                                                                                                                                                                                                               |         |         |         |
| 15:40                        |        | <b>Cardiac Arrest Simulations Teaching Sessions (CASTeach) 1-3</b>                                                                                                                                                                                               |         |         |         |
|                              |        | <b>CASTeach 1</b>                                                                                                                                                                                                                                                |         |         |         |
| 15:40                        | 30 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
|                              |        | <b>CASTeach 2</b>                                                                                                                                                                                                                                                |         |         |         |
| 16:10                        | 30 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
|                              |        | <b>CASTeach 3</b>                                                                                                                                                                                                                                                |         |         |         |
| 16:40                        | 30 min | Group 1                                                                                                                                                                                                                                                          | Group 2 | Group 3 | Group 4 |
| 17:10                        | 30 min | <b>Mentor feedback</b>                                                                                                                                                                                                                                           |         |         |         |
| 17:40                        |        | <b>Faculty meeting<br/>Course closure</b>                                                                                                                                                                                                                        |         |         |         |

## Day 2

|               |         |                                                                          |              |                                      |                             |
|---------------|---------|--------------------------------------------------------------------------|--------------|--------------------------------------|-----------------------------|
| 09:00         | 15 min  | Tea / coffee and mentor groups                                           |              |                                      |                             |
| 09:15         |         | Peri-arrest workshops (continued after tea/coffee break)                 |              |                                      |                             |
|               |         | Assessing and treating tachycardia                                       |              | Assessing and treating bradycardia   | Arterial blood gas analysis |
| 09:15         | 45 min  | Group 1                                                                  | Group 2      | Group 3                              | Group 4                     |
| 10:00         | 45 min  | Group 3                                                                  | Group 4      | Group 1                              | Group 2                     |
| 10:45         | 15 min  | Tea / coffee break                                                       |              |                                      |                             |
|               |         | Assessing and treating bradycardia                                       |              | Arterial blood gas analysis          |                             |
| 11:00         | 45 min  | Group 2                                                                  | Group 4      | Group 3                              | Group 1                     |
|               |         | Resuscitation in Special Circumstances workshops (continued after lunch) |              |                                      |                             |
|               |         | Special Circs 1                                                          |              | Special Circs 2                      |                             |
| 11:45         | 30 min  | Group 1                                                                  | Group 2      | Group 3                              | Group 4                     |
| 12:15         | 30 min  | Group 4                                                                  | Group 3      | Group 2                              | Group 1                     |
| 12:45         | 45 min  | Lunch break                                                              |              |                                      |                             |
|               |         | Special Circs 3                                                          |              |                                      |                             |
| 13:30         | 30 min  | Group 1                                                                  | Group 2      | Group 3                              | Group 4                     |
| 14:00         |         | Cardiac Arrest Simulations Teaching Sessions (CASTeach) 4-5              |              |                                      |                             |
|               |         | CASTeach 4                                                               |              |                                      |                             |
| 14:00         | 45 min  | Group 1                                                                  | Group 2      | Group 3                              | Group 4                     |
|               |         | CASTeach 5                                                               |              |                                      |                             |
| 14:45         | 45 min  | Group 1                                                                  | Group 2      | Group 3                              | Group 4                     |
| 15:30         | 15 min  | Tea / coffee break                                                       |              |                                      |                             |
| 15:45         | 120 min | CASTest                                                                  |              |                                      |                             |
| CASTest       |         | Group 1                                                                  | Group 2      | Groups 3 & 4                         |                             |
| 15:45         | 10 min  | Candidate 1                                                              | Candidate 7  | 15:45 to 16:45<br>Candidates 13 - 24 |                             |
| 15:55         | 10 min  | Candidate 2                                                              | Candidate 8  |                                      |                             |
| 16:05         | 10 min  | Candidate 3                                                              | Candidate 9  |                                      |                             |
| 16:15         | 10 min  | Candidate 4                                                              | Candidate 10 |                                      |                             |
| 16:25         | 10 min  | Candidate 5                                                              | Candidate 11 |                                      |                             |
| 16:35         | 10 min  | Candidate 6                                                              | Candidate 12 |                                      |                             |
| CASTest       |         | Group 3                                                                  | Group 4      | Groups 1 & 2                         |                             |
| 16:45         | 10 min  | Candidate 13                                                             | Candidate 19 | 16:45 to 17:45<br>Candidates 1 - 12  |                             |
| 16:55         | 10 min  | Candidate 14                                                             | Candidate 20 |                                      |                             |
| 17:05         | 10 min  | Candidate 15                                                             | Candidate 21 |                                      |                             |
| 17:15         | 10 min  | Candidate 16                                                             | Candidate 22 |                                      |                             |
| 17:25         | 10 min  | Candidate 17                                                             | Candidate 23 |                                      |                             |
| 17:35         | 10 min  | Candidate 18                                                             | Candidate 24 |                                      |                             |
| 17:45         | 15 min  | Faculty meeting                                                          |              |                                      |                             |
| 18:00         |         | Candidate feedback in mentor groups                                      |              |                                      |                             |
| End of course |         |                                                                          |              |                                      |                             |