

ALSG's medical education & training programmes improve outcomes for people in life-threatening situations, anywhere along the health care pathway, anywhere in the world.

## APLS

### Advanced Paediatric Life Support

The APLS course provides the knowledge and skills necessary for recognition and effective treatment and stabilisation of children with life threatening emergencies, using a structured, sequential approach.

The seriously ill and or injured child needs to be treated as an individual; there are four key differences that determine treatment: weight, anatomy, physiology, and psychology.

The structured approach focuses the clinician on resuscitation, emergency treatment followed by continual stabilisation and then transfer to a definitive care environment.

The course aims to teach, practice and test the acquisition and use of these technical skills. In addition, the human factors that generate the highest quality and safest health care provision are considered.



*“All those working with children and young people should have the right knowledge and skills to meet their specific needs—wherever they are in the health system”<sup>1</sup>*

### Information for candidates

This advanced paediatric life support programme is for those from a medical, nursing, ECP, ODP or RTO background, Physician's Assistants for which APLS is relevant to their working practice. RTOs from any background who work in a paediatric hospital are eligible to take the programme. However, RTOs who work in a non-paediatric hospital, with any other background to those already listed, can send an application to the Working Group detailing their paediatric practice and each of these cases will be considered individually. The Working Group also recommend that nurses are senior staff nurses and above. Experienced level 5 staff nurses may take the course.

### Continuous Professional Development

The College of Emergency Medicine has approved the course, awarding it 12 CPD points.

### Information for educators and managers

As a charity, ALSG invests all profits in educational resources and partners with the most effective and respected organisations worldwide to develop exceptionally high quality programmes. ALSG education quality is verified, accredited and recognised internationally as 'best in class', contributing to better outcomes for patients in life-threatening situations.

*“What we want to see is increased consistency and quality in education and training and consequently in people's outcomes and experiences...Service delivery and education and training are fundamentally interlinked.”<sup>2</sup>*

## APLS curriculum and key information

### Overview

The programme comprises a one-day VLE followed by a two day face-to-face course. The course is run throughout the UK and overseas and the cost varies across centres.

### Online modular education through our VLE: 17 e-modules

- Structured approach
- Human factors
- Recognition of seriously ill child
- Child with breathing difficulties
- Child in shock
- Abnormal pulse rate or rhythm
- Decreased conscious level
- Convulsing child
- Seriously injured child
- Chest injury
- Abdominal injury
- Head injury
- Injury to the spine
- Burns and scalds
- Drowning
- Cardiac arrest
- Stabilisation and transfer

### Two day course with lectures, skills, simulations, demonstrations

#### Lectures

- Welcome, aims & setting the scene

#### Demonstrations & interactive sessions

- Assessing & managing the serious ill child
- Structured approach to the seriously injured child
- Cardiac simulation & skills

#### Skill & simulation sessions

- Serious illness simulation & skills
- Serious injury simulation & skills
- Cardiac simulation and skills including review and continual assessment

#### Assessment and certification

Assessment takes place continuously throughout the course. If you are successful, APLS certification is valid for four years and includes access to our VLE and a paediatric e-Library.

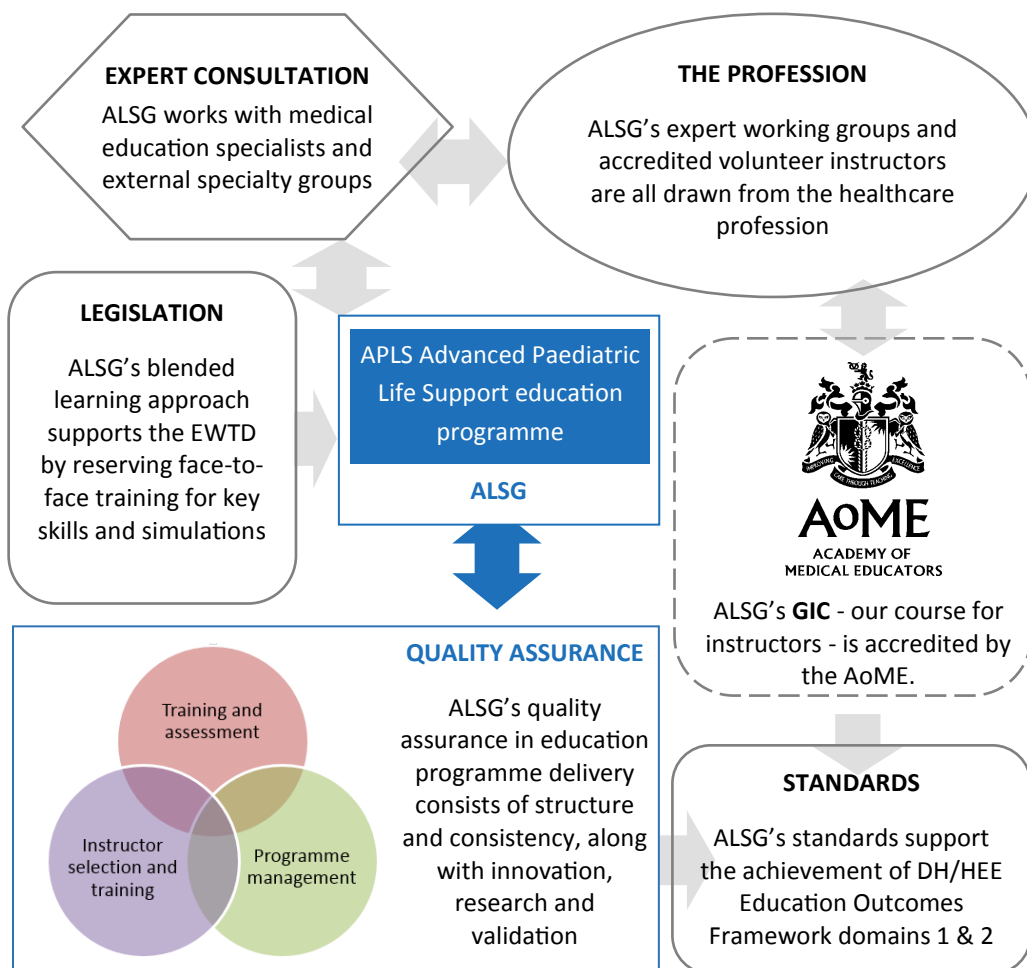
#### Recertification options

Either undertake an ALSG-approved one day recertification course within six months of expiry, or repeat the full ALSG APLS course.

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## ALSG

Education programmes created and maintained to the highest quality, through wide and deep professional input and validation



### The quality case for ALSG education programmes

This education programme operates in a profession where quality is a key metric in improving patient care.

As the NHS changes and performance measures are applied, at ALSG we compare our programme content and quality to the standards and map the result. For the most up-to-date information on standards mapping of any ALSG education programme, email [qualitymap@alsg.org](mailto:qualitymap@alsg.org).

*"Excellent Education: education and training is commissioned and provided to the highest standards, ensuring learners have an excellent experience..."*<sup>3</sup> - ALSG's quality standards guarantee this and support you in achieving the EOF quality standards.



#### Booking a course

To book your next course, simply scan this code using your smart phone or visit us online at [www.alsg.org/uk/Book\\_now](http://www.alsg.org/uk/Book_now)



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### The patient outcome case for ALSG education programmes

Our education programmes are designed to save lives. That is why ALSG was set up in 1990 and it drives everything that we do.

Where we have been able to measure outcomes, we have found that **lives have been saved**.

Following our education programme in Gambia there was a 50% reduction in maternal mortality, a 32% reduction in infant mortality and a 94% survival rate in resuscitation.

Anecdotal evidence from candidates who pass our education programmes suggests that confidence increases in individuals and their teams, and that skills are practised **immediately** with **improved patient care** and survival rates.

### The economic case for ALSG education programmes

We commissioned The University of Liverpool's Health Economics group to independently verify our belief that appropriate education programmes save money as well as lives.

Results indicate that even small improvements to outcomes result in considerable direct cost savings *"..primary prevention by means of .. training may lead to significant improvements in health.."* and *"..may help to minimise the considerable QALY losses.."*<sup>4</sup>

If you are considering developing your own training locally, please read our paper considering the pros and cons ['What do ALSG courses offer compared to locally developed training'](#) in which we consider duplication of spending and training, variation of standards, appeals, teaching quality, multi-disciplinary oversight, blended learning and international standards.

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<sup>1</sup> Children and Young People's Health Outcomes Strategy 2012, Forum Co-Chairs: Professor Ian Lewis, Christine Lenehan *Report of the Children and Young People's Health Outcomes Forum*

<sup>2</sup> Moore et al, 2013, NHS Future Forum *Education and Training - next stage*, London.

<sup>3</sup> Department of Health, 2013, *Education Outcomes Framework, Domain 1*

<sup>4</sup> Leigh, Granby, Turner, Wieteska, Haycox & Collins, June 2014 *The incidence and implications of cerebral palsy following potentially avoidable obstetric complications: a preliminary burden of disease study*