

PROFESSIONAL PROFILE

ALICIA ARIAS RGN BSc (Hons) Adult Nursing Extracorporeal Membrane Oxygenation (ECMO) Clinical Nurse Specialist and Critical Care Nurse

GENERAL BACKGROUND

A Registered General Nurse (RGN) since 2008 with experience working within adult and paediatric critical care, specialising in cardiac intensive care, extracorporeal membrane oxygenation (ECMO), continuous renal replacement therapy (CRRT), ventilation, emergency care and high-acuity patient management.

Currently working as an extracorporeal membrane oxygenation clinical nurse specialist (Band 7) within the cardiac intensive care unit at Great Ormond Street Hospital, with extensive experience managing complex paediatric extracorporeal membrane oxygenation patients, anticoagulation strategies, continuous renal replacement therapies integration, haemodynamic monitoring and multidisciplinary escalation.

Has significant experience in advanced critical care education, simulation training, guideline development, quality improvement projects and mentoring nursing staff. Co-author of ECMO–CRRT combined clinical guidelines and bedside flowcharts which are currently under review.

Previous experience includes paediatric cardiac intensive care at Royal Brompton Hospital, alongside broad adult clinical experience across intensive care, emergency departments, oncology/haematology, renal medicine and pharmacy services within hospitals in Madrid, Spain.

Has experience delivering clinical teaching, wet labs and simulation training in extracorporeal membrane oxygenation and continuous renal replacement therapies and regularly contributes to specialist study days and advanced nursing education.

ADDITIONAL PROFESSIONAL QUALIFICATIONS

- Registered General Nurse (RGN) – 2008
- Adult Nursing Degree BSc – Universidad Complutense de Madrid – 2008
- Graduate Certificate in Emergency Nursing (FUDEN) – 2010
- Paediatric Intensive Care Course – London South Bank University – 2015
- Expedition & Wilderness Medicine – World Extreme Medicine – 2017
- Extracorporeal membrane oxygenation Course – Great Ormond Street Hospital – 2018
- Advanced Clinical Skills in Paediatric Ventilation – London South Bank University – 2018
- Children's Acute Transport Service (CATS) Training – 2023

POSTS HELD

- Extracorporeal Membrane Oxygenation Clinical Nurse Specialist, Band 7 – Great Ormond Street Hospital – 2024 to Present
- Senior Staff Nurse and extracorporeal membrane oxygenation specialist, Band 6, Cardiac Intensive Care – Great Ormond Street Hospital – 2019 to 2024
- Senior Staff Nurse, Band 6, Paediatric Intensive Care – Royal Brompton Hospital – 2013 to 2019
- Staff Nurse – Adult & Paediatric Rotational Posts, Hospitals in Madrid – 2008 to 2013

CLINICAL EXPERIENCE AND SPECIALIST SKILLS

EXTRACORPOREAL MEMBRANE OXYGENATION & CRITICAL CARE

- Senior extracorporeal membrane oxygenation (ECMO) nurse managing complex paediatric ECMO patients.
- Troubleshooting extracorporeal membrane oxygenation circuits and supporting anticoagulation management.
- Extensive experience with haemodynamic monitoring and escalation.
- Advanced airway and ventilation management in paediatric and adult critical care.
- Experience integrating extracorporeal membrane oxygenation and continuous renal replacement therapies.
- Arterial line and central venous access management.

RENAL & CONTINUOUS RENAL REPLACEMENT THERAPIES EXPERIENCE

- Lead continuous renal replacement therapies link nurse within extracorporeal membrane oxygenation service.
- Skilled in continuous renal replacement therapy troubleshooting, filter management and renal access care.
- Previous dialysis experience managing acute and chronic renal failure.
- Experience accessing arterio-venous fistulas and managing dialysis machines.

EDUCATION, GUIDELINES & QUALITY IMPROVEMENT

- Lead educator for extracorporeal membrane oxygenation/continuous renal replacement therapy study days, wet labs and simulation teaching.
- Mentor for bedside nurses and newly qualified staff.
- Co-author of extracorporeal membrane oxygenation/continuous renal replacement therapy combined guideline and bedside flowchart.
- Contribute to audits, quality improvement and policy development.
- Experience implementing and reviewing specialist guidelines.

EMERGENCY & ACUTE CARE

- Experience in Accident and Emergency Departments and emergency assessment.
- Strong triage and patient stabilisation skills.
- Skilled in venepuncture, cannulation, electrocardiographs (ECGs) and acute patient assessment.
- Experience supporting theatre procedures using aseptic and sterile techniques.

ONCOLOGY, PHARMACY & SPECIALIST CARE

- Experience in sterile preparation of total parenteral nutrition (TPN) and chemotherapy.
- Oncology and haematology experience administering chemotherapy following strict protocols.
- Skilled in wound care, pressure area care and infection prevention.

EXPERT WITNESS BACKGROUND

Current clinical practice includes advanced patient assessment, anticoagulation management, haemodynamic monitoring, ventilation and escalation of deteriorating patients within highly specialised paediatric critical care environments.

Has completed Bond Solon training in Report Writing for Expert Witnesses and is developing medico-legal practice alongside ongoing clinical work and specialist education involvement.

MEDICOLEGAL TRAINING AND CONTINUOUS PROFESSIONAL DEVELOPMENT

- Bond Solon Report Writing for Expert Witnesses – 20 May 2026

LIABILITY SPECIALISMS

- Extracorporeal membrane oxygenation nursing care
- Paediatric and adult critical care
- Cardiac intensive care
- Continuous renal replacement therapies / haemofiltration
- Ventilation and airway management
- Anticoagulation management
- Emergency nursing
- Haemodynamic monitoring
- Renal care

MEMBERSHIPS

- Nursing and Midwifery Council (NMC)
- Royal College of Nursing (RCN)
- Registered Extracorporeal Membrane Oxygenation Nurse Specialist
- EuroELSO Education Working Group
- EuroELSO Anticoagulation Working Group
- Resuscitation Council UK
- Extracorporeal Membrane Oxygenation Specialist Services – Great Ormond Street Hospital
- Children's Acute Transport Service (CATS) Training Network
- Critical Care and Extracorporeal Membrane Oxygenation Educational Groups