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# IV Therapy Summit 2024 Infiltration & Extravasation

*Improving Practice and Patient Safety*

Friday 11th October 2024  
Hallam Conference Centre, London



## Chair and Speakers Include:

**Andrew Barton**

*National Lead for Extravasation*

*Chair NIVAS*

*Nurse Consultant in Vascular*

*Access and IV Therapy*

*Frimley Health NHS Foundation Trust*

**Gema Munoz Mozas**

*Lead Vascular Access*

*Nurse, The Royal*

*Marsden Hospital*

*NHS Foundation Trust*

**Jane Hodson**

*Deputy Head of Nursing, Lead*

*Nurse for Vascular Access*

*Service and OPAT, Guy's and St*

*Thomas' NHS Foundation Trust*

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# IV Therapy Summit 2024

## Infiltration & Extravasation

### Improving Practice and Patient Safety

Friday 11th October 2024  
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This conference focuses on improving practice and patient safety to reduce Infiltration and Extravasation Injury through prevention, early recognition and treatment. Through national updates and case studies the conference will support you to understand the risk of extravasation and how to prevent, recognise, treat and escalate extravasation injuries when they do occur. Chaired by Andrew Barton Nurse Consultant IV therapy & Vascular access NIVAS Chair, the conference will open with an update on implementing and ensuring adherence to the February 2024 Infiltration and Extravasation toolkit to improve practice.

***“The advantages of intravenous therapy include improved patient outcomes and survival due to constant drug bioavailability and consistent therapeutic drug levels in the blood. Unfortunately, the use of intravenous therapies is not without risk. While the benefits of using intravenous therapy usually outweighs such risks, it is necessary for all staff involved with such therapies to have sound knowledge of potential complications. ..Occasionally the administration of IV therapies can go wrong. Infiltration and Extravasation is a complication whereby the drug or IV therapy leaks into the tissues surrounding the vascular access device. Extravasation is often associated with chemotherapy agents; however nonchemotherapy drugs have been reported as having a greater risk of serious complications. Extravasation may cause serious and often life changing injuries. This tool kit is designed to highlight the risks of infiltration and extravasation and facilitate healthcare organisations to implement best practice to improve patient safety and experience.”***

Andrew Barton Nurse Consultant IV therapy & Vascular access NIVAS Chair, Infiltration and Extravasation A toolkit to improve practice February 2024

***“Infiltration is the inadvertent and Extravasation leakage of intravenous fluid Introduction or medication into extravascular tissue from an intravenous vascular access device, such as a peripheral cannula or central venous catheter. The resulting injury is likely to be minor. If the fluid or medication is a vesicant, the injury would be classed as an extravasation as the risk of tissue damage and serious injury is high.”***

Infiltration and Extravasation A toolkit to improve practice February 2024

***“From 1 April 2011 until 31 March 2021 NHS Resolution received 444 claims relating to extravasation injuries. Of those 444 claims, 138 remain open, 197 have settled with damages paid and 109 have closed with nil damages. This has cost the National Health Service (NHS) 15.6 million pounds. This includes payment for claimant legal costs, NHS legal costs and damages.”***

NHS Resolution Infiltration and Extravasation A toolkit to improve practice February 2024

***“Prevention of extravasation is imperative as treatment options are limited once the injury has occurred.”***

NHS Resolution Infiltration and Extravasation A toolkit to improve practice February 2024

***“Extravasation can cause blistering, tissue necrosis and loss of parts of the limb or even death.”***

Andrew Barton, Chair, NIVAS & Nurse Consultant in Vascular Access and IV Therapy, Frimley Health NHS Foundation Trust, May 2023

***“Thematic analysis found other contributory factors to include: • Incorrect medication infusion pump pressures • Bandaging the cannula in infants, hindering access and observations • Wrong route of administration • Failure to act on patient’s complaint of pain or discomfort • Delay in recognising extravasation injury • Staff not following manufacturer’s or local guidance on administration of intravenous drugs”***

NHS Resolution

***“Extravasation is not just a chemotherapy complication. Infiltration is the leaking of a fluid or medication into extravascular tissue from an intravenous device. Infiltration of high fluid volumes can cause nerve compression and compartment syndrome. Extravasation injury results when the solution is a vesicant which leaks into the extravascular space, where the medication or fluid itself causes damage to the tissues. The damage can increase the longer the vesicant is within the tissues.”***

Andrew Barton, Chair, NIVAS & Nurse Consultant in Vascular Access and IV Therapy, Frimley Health NHS Foundation Trust, May 2023

This conference will enable you to:

- Network with colleagues who are working to reduce Extravasation Injury
- Learn from outstanding practice in recognizing, treating and escalating extravasation injury
- Reflect on national developments and learning
- Implement and ensure adherence to the 2024 Infiltration and Extravasation toolkit to improve practice
- Develop your skills in prevention, early recognition and treatment
- Ensure vesicants are administered in the safest way
- Develop your skills in training frontline staff to recognize evolving injuries
- Understand how you can implement preventative measures
- Identify key strategies for improvement
- Educate patients to raise alarm and improve consent procedures
- Develop protocols to support practice
- Understand the role and competencies of the NHS trust lead for extravasation
- Ensure effective treatment, and early intervention in severe wounds
- Learn from case studies in cancer, maternity, radiology and paediatrics
- Ensure you are up to date with the latest legal cases
- Self assess and reflect on your own practice
- Supports CPD professional development and acts as revalidation evidence. This course provides 5 Hrs training for CPD subject to peer group approval for revalidation purposes

## 9.40 Supplier Showcase Presentations

### 10.00 Chair's Welcome and Introduction EXTENDED SESSION: The National Extravasation toolkit

#### Andrew Barton

National Lead for Extravasation

Chair NIVAS

Nurse Consultant in Vascular Access and IV Therapy

Frimley Health NHS Foundation Trust

- think extravasation: implementing the NIVAS toolkit
- ensuring all NHS hospitals have an extravasation lead and developing the role and competencies of the lead
- how do we reduce delay in recognition of extravasation injury
- understanding extravasation risks with vesicants
- prevention, recognition and treatment
- ensuring front line clinicians are aware of the risk of extravasation and how to recognise, treat and escalate extravasation injuries
- improving practice and driving improvement
- preventative measures

11.10 Questions and answers followed by Comfort Break at 11.20

### 11.40 EXTENDED SESSION: Prevention & early Recognition Training and educating frontline staff

#### Speaker to be announced

- training and educating frontline staff in safe IV Therapy administration
- improving standardisation and awareness: cautious IV therapy administration
- training and educating frontline staff
- improving early recognition and awareness of extravasation in patients and staff
- improving diagnosis of the early symptoms and stages of extravasation
- our experience

### 12.30 Managing infiltration and extravasation in clinical practice

#### Angela Hastings

IV Therapy Nurse

#### Evaristo Banog

Frimley Health NHS Foundation Trust

- critical factors in early treatment
- how common is severe injury
- improving patient safety
- case study examples

12.50 Lunch Break and Exhibition

### 13.50 Reporting and learning from Infiltration and Extravasation Incidents

#### Jane Hodson

Deputy Head of Nursing, Lead Nurse for

Vascular Access Service and OPAT

Guy's and St Thomas' NHS Foundation Trust

- reporting of extravasation incidents
- developing safety actions and improving communication of learning from incidents
- PSIRF and incident investigation
- case studies from midwifery
- standardised incident reporting of extravasation moving forward

### 14.20 Case Study: Learning from Cancer Services

#### Gema Munoz Mozas

Lead Vascular Access Nurse

The Royal Marsden Hospital NHS Foundation Trust

- how we have improved safety and reduced extravasation injury in IV cancer therapy
- issues with chemotherapy drugs delivered intravenously
- considerations and patient preferences in device selection
- difficult issues in cancer care

### 14.50 Reducing extravasation injury in Paediatrics

#### Sara Melville

Nurse Consultant and Lead for Advanced Vascular Access Services

Alder Hey Children's Hospital

- extravasation in paediatrics
- preventative measures in paediatrics
- recognition and management of extravasation injury in paediatrics
- case studies in practice

15.15 Coffee Break and Exhibition

### 15.35 EXTENDED SESSION: Legal issues, consent and clinical negligence in Extravasation

#### Charisse Tapang

Chartered Legal Executive

Irwin Mitchell

- learning from claims
- consent to medical treatment: what does the law say?
- do patients understand the risks of IV therapy and the potential for extravasation?
- learning from legal cases and claims

16.15 Closing remarks

*There will be time after each session for Questions and Answers*

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## Friday 11th October 2024

### Hallam Conference Centre, London

Download

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Hallam Conference Centre, Cavendish Venues, 44 Hallam St, London W1W 6JJ. Further venue details and a map will be sent to you with your booking confirmation.

**Date** Friday 11th October 2024 - LONDON**Conference Fee**

- £295 + VAT (£354.00) for NHS, Social care, private healthcare organisations and universities.
- £250 + VAT (£300.00) for voluntary sector / charities.
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