



BLOODS & common investigations

tips & tricks

N IRELAND DENTAL CORE TRAINEE INDUCTION

16th September 2026

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OMFS



**“I have nothing to offer but
BLOOD, TOIL, TEARS and SWEAT.”**

—Winston Churchill —

INTRODUCTION

Target

*Develop understanding of perioperative management of patients

*Gain appreciation of need for IV access

Our mission

- To be able to competently carry out venepuncture & IV cannulation
- To know which blood tests are required and why
- To know which perioperative tests may be required

THE STAGE HAS BEEN SET

1

Perioperative
Management of
Patients

2

Get to know your
anatomy

3

Equipment

4

Practice

1

Perioperative Management of Patients

NICE

Pre-operative investigations

Perioperative management – analgesia, fluids

NICE

National Institute for Health and Care Excellence

Search NICE...

Guidance

Standards and indicators

Clinical Knowledge Summaries (CKS)

British National Formulary (BNF)

for

Home

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NICE Guidance

>

Health and social care delivery

>

Surgical care

Perioperative care in adults

NICE guideline | NG180 | Published: 19 August 2020

Guidance

Tools and resources

Information for the public

Evidence

Download guidance (PDF)

Overview

Recommendations

Recommendations for research

Rationale and impact

Context

Finding more information and committee details

Update information

Overview

This guideline covers care for adults (aged 16 and over) having elective or emergency surgical or dental surgery. It covers all phases of care, from the time people are booked for surgery to the time they are discharged afterward. The guideline makes recommendations on preparing for surgery, keeping people safe during surgery and pain relief during recovery.

⚠

The recommendations in this guideline were developed during the COVID-19 pandemic.



COMMON PRE-OP
INVESTIGATIONS

ECG



**COMMON PRE-OP
INVESTIGATIONS**

ECG

Bloods



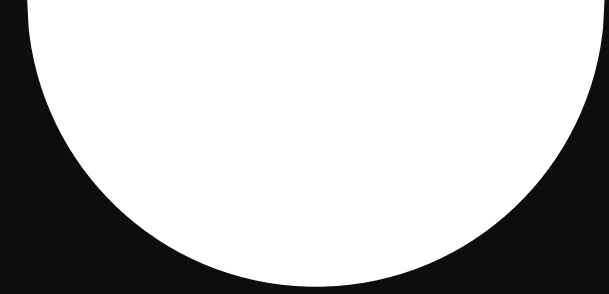
**COMMON PRE-OP
INVESTIGATIONS**

ECG

**COMMON PRE-OP
INVESTIGATIONS**

Imaging

Bloods



BLOODS

Superficial
veins of
the cubital
fossa

Cephalic
vein

Basilic vein

Median
cubital
vein

2

Get to know your anatomy

dorsal
metacarpal
veins

dorsal digital
veins

dorsal
venous arch

cephalic vein

basilic vein

Dorsum of hand Cubital Fossa

Where | When | Why



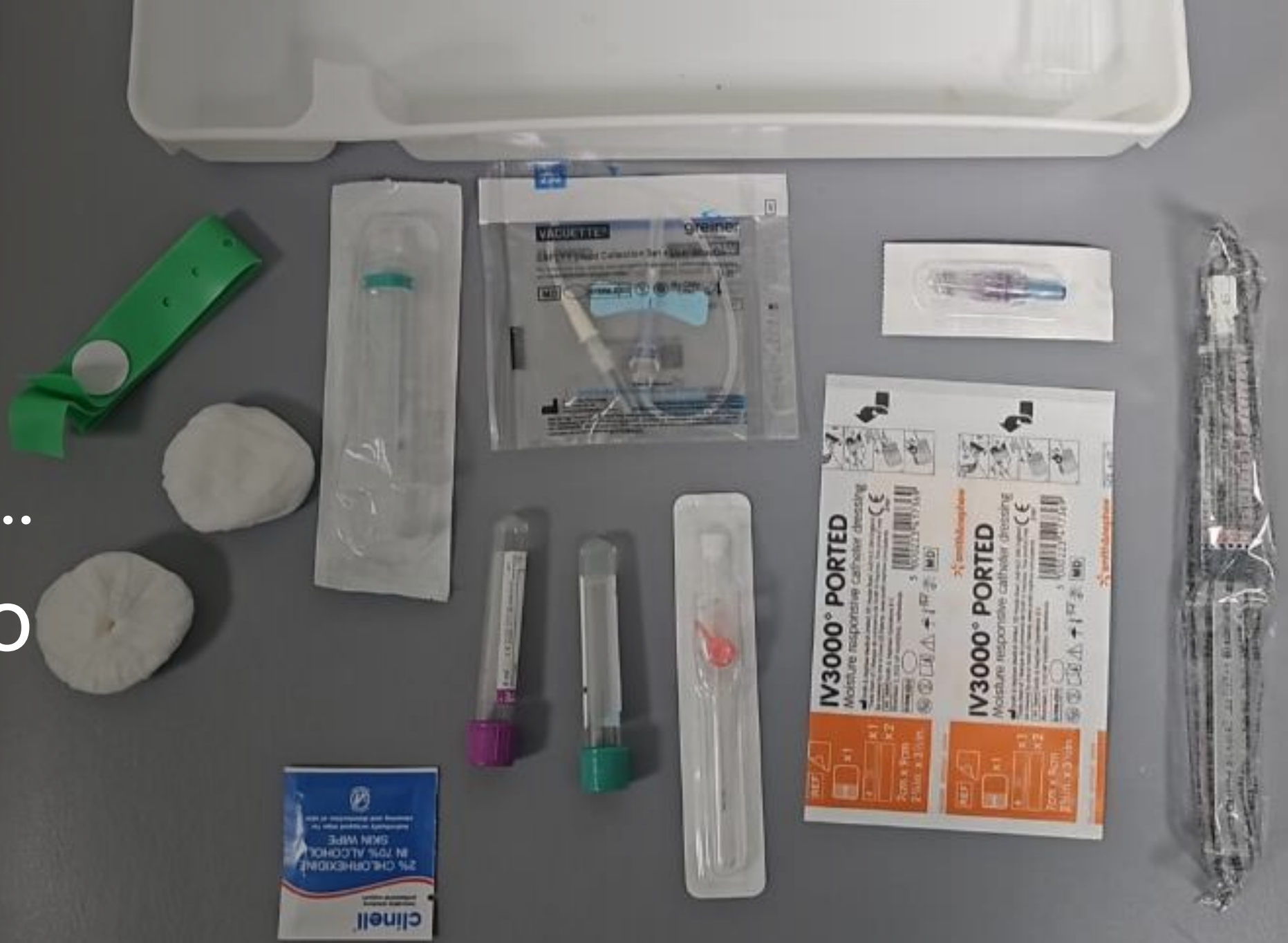
TIP

If struggling to see/feel veins apply tourniquet and set value to between systolic & diastolic BP.

3

Equipment

FAIL TO
PREPARE.....
PREPARE TO
FAIL





BLOOD BOTTLES

Common Bloods

Most patients:

FBC

U&E

Infection:

CRP

Glucose

BLOOD BOTTLES



4

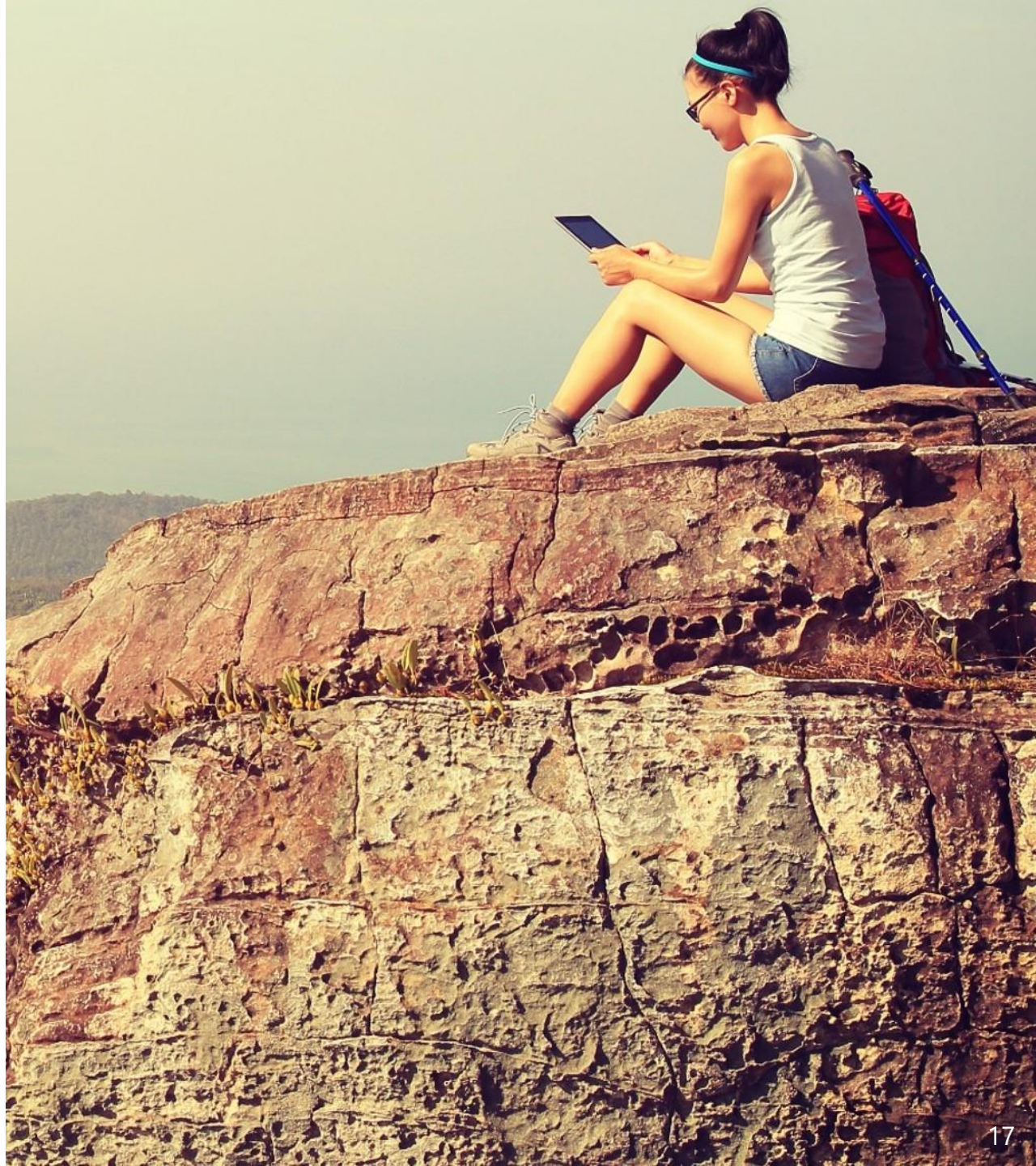
Practice

EVERYONE

Carryout venepuncture on model
Confidence as insert needle into skin...

Place IV cannula on model

**Needle is only to pierce outer wall of vein, don't
go out the back**





PRACTICE

(Even if you don't think you'll need to do it)

MAKES

PERFECT

ALL PROFESSIONALS!

Bringing bruises to a hospital
near you