

Confidential

Assessing the awareness of local anaesthetic toxicity amongst registrars from surgical disciplines in a tertiary hospital, South Africa.

Please take the survey below.

How old are you?

☐ 25 - 29 years old
☐ 30 - 34 years old
☐ 35 - 40 years old
☐ > 40 years old

How do you identify yourself?

☐ Male
☐ Female
☐ I prefer not answering

What is your clinical discipline?

☐ Ophthalmology
☐ Gynaecology and Obstetrics
☐ Orthopaedics
☐ Plastic Surgery
☐ Surgery - Vascular, Trauma, Abdominal, Breast and
☐ Endocrine
☐ Urology
☐ ENT
☐ Neurosurgery
☐ Emergency Medicine
☐ Cardiothoracic surgery

At what stage of your registrar training are you currently in?

☐ < 1 year
☐ 1 - 2 years
☐ 2 - 4 years
☐ > 5 years

What is the most common local anaesthetic agent used in your practice?

☐ Bupivacaine
☐ Lignocaine
☐ Lignocaine + Adrenaline

How often do you use local anaesthetics in your practice?

☐ Multiple times a day
☐ 1 to 2 times per week
☐ 1 to 2 times per month
☐ Very seldom

Do you usually perform an aspiration before injection of the local anaesthetic agent?

☐ Yes
☐ No

Have you had any previous training on local anaesthesia toxicity?

☐ Yes
☐ No

What type of training did you have?

☐ As a medical student
☐ As an intern
☐ As a registrar
☐ ACLS/ATLS course
☐ Other(s)

Have you ever encountered a case of local anaesthetic toxicity in your practice?

☐ Yes
☐ No
☐ I do not know

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Appendix 1: Data capture sheet

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What is the maximum recommended dose of the plain lignocaine in South Africa?

☐ 2 mg/kg
☐ 3 mg/kg
☐ 5 mg/kg
☐ 7 mg/kg

What is the maximum recommended dose of the lignocaine + adrenaline, in South Africa?

☐ 3 mg/kg
☐ 5 mg/kg
☐ 7 mg/kg
☐ 10 mg/kg

What is the maximum recommended dose of plain bupivacaine in South Africa?

☐ 2 mg/kg
☐ 3 mg/kg
☐ 5 mg/kg
☐ 7 mg/kg

What are the early signs and symptoms of local anaesthetic toxicity? (please choose one or more answers)

☐ Diarrhea
☐ Metallic taste in the mouth
☐ Tinnitus
☐ Confusion
☐ Coughing

What are the signs and symptoms of local anaesthetic toxicity at a later stage? (please choose one or more answers)

☐ Seizures
☐ Hepatotoxicity
☐ Loss of consciousness
☐ Cardiac arrest
☐ Euphoria

Which drug is more commonly associated with refractory symptoms?

☐ Lignocaine
☐ Bupivacaine

Write down the specific treatment of local anaesthetic toxicity. Please leave blank if you do not know the answer.

Do you consider any of the following monitoring equipment essential, desirable or unnecessary when using potentially toxic doses of local anaesthetic?

	Essential	Desirable	Unnecessary
Intravenous cannula	☐	☐	☐
ECG monitoring	☐	☐	☐
Blood pressure monitoring	☐	☐	☐
Pulse oximetry monitoring	☐	☐	☐
Resuscitation trolley nearby	☐	☐	☐