**ANAESTHETIC ANAPHYLAXIS INVESTIGATION PACK CHECKLIST**

This pack contains:

1. Instructions on taking three timed blood samples for mast cell tryptase.
2. Template for letter to be given to the patient.
3. Urgent-surgery management plan.
4. Template for letter to be sent to the GP.
5. Referral form to be sent to the allergy clinic.

**MAST CELL TRYPTASE SAMPLES**

* It is the anaesthetist's responsibility to ensure the samples are taken, including the 24-hour sample.
* Use tubes for serum sample, eg. electrolytes (colour coding varies between hospitals). Ensure you date and time the tubes. There is no need to refrigerate the samples.
  + 1st sample – as soon as the patient is stable. (Ideally less than 30 mins)
  + 2nd sample – as close to 1–2 hours as possible after the event. (No more than 6 h)
  + 3rd (baseline) – at least 24 hours after the event.
* Phone your local lab (usually Immunology) when you have taken the 2nd sample so they expect a group of 3 samples.

**COMMUNICATION AND FOLLOW-UP**

* Refer to critical care for continuing care of the patient.
* Record full details of the anaphylaxis and resuscitation in the patient's medical record.
* Explain to the patient what has happened as soon as practicable and record your conversation in the medical record. Give the patient the completed **Patient Letter**.
* Ensure the event is reported to your local incident reporting system.
* Contact your Departmental Lead for Perioperative Anaphylaxis for advice.
* If postponed surgery is urgent, refer to the **Urgent Surgery Management Plan.**
* Complete all parts of the **Allergy Clinic Referral Form** and send *together with photocopies of anaesthetic record and other relevant documentation*.
* Inform the patient's GP using the **GP Letter**.
* Ensure the event is reported to the MHRA through the Yellow Card system and keep a note of the MHRA Reference Number to update with the Allergy Clinic diagnosis.
* Ensure the patient is followed up for adverse physical and/or psychological effects.

**LETTER TO THE PATIENT FOLLOWING PERIOPERATIVE ANAPHYLAXIS**

[Hospital header] Date …………………..

Patient's name ......................................................

Patient’s address ................................................................

Medical record number ……………………………….

NHS Number ………………………………..….....

Dear .......................................................................

**You had a suspected severe allergic reaction (anaphylaxis) during anaesthesia on** ......................

To find out the cause of the reaction I will refer you to the anaesthetic allergy clinic at:

..................................................................

They will contact you with an appointment - this normally takes a few weeks.

* *If you have not heard in six weeks, or if you have any queries, please contact me (details below).*
* *It is important you attend the allergy clinic to prevent a further severe allergic reaction.*

Until you have attended the allergy clinic, you should avoid all the drugs and other potential causes you were exposed to during the hour prior to the allergic reaction. These include:

1) Latex

2) Chlorhexidine, including medical, dental and household products

3) Anaesthetic drugs (SPECIFY) ……………………………………..

……………………………………..

……………………………………..

……………………………………..

……………………………………..

……………………………………..

4) Antibiotics (SPECIFY) ……………………………………..

……………………………………..

5) Analgesics (SPECIFY) ……………………………………..

……………………………………..

6) Other drugs/substances (SPECIFY) ……………………………………..

……………………………………..

It is important that you show this letter if you have any medical appointments between now and the time of your clinic appointment

I will write to your GP with this information.

Yours sincerely,

**Consultant Anaesthetist** Contact phone number………………………………….

**LETTER TO PATIENT'S GP FOLLOWING PERIOPERATIVE ANAPHYLAXIS**

[Hospital header] Date …………………..

[GP’s Name and Address .......]

Dear Dr ............................

Your patient ...................................

Address .....................................

MRN ……………………………….

NHS Number ……………………………………

**Had a suspected severe allergic reaction (anaphylaxis) during anaesthesia on** ............

He/she has been referred for investigation to the anaesthetic allergy clinic at .......................

Until the patient has attended the allergy clinic, they should avoid all drugs and other potential allergens to which they were exposed during the hour prior to the allergic reaction. These include:

1) Latex ……………………….

2) Chlorhexidine, including medical, dental and household products ……………………..

3) Anaesthetic drugs (SPECIFY) ……………………………………..

……………………………………..

……………………………………..

……………………………………..

………………………………………

……………………………………..

4) Antibiotics (SPECIFY) ……………………………………..

……………………………………..

5) Analgesics (SPECIFY) ……………………………………..

……………………………………..

6) Other drugs/substances (SPECIFY) ……………………………………..

……………………………………..

……………………………………..

I have given the patient a letter providing the same information as here.

Yours sincerely,

**Consultant Anaesthetist**

Contact phone number………………………………….

**NAP6 PERIOPERATIVE ANAPHYLAXIS:**

**ALLERGY CLINIC REFERRAL FORM (4 pages)**

**Patient details**

Name……………………………………………………………............................................

Date of birth .…. /…./…….. Hospital / NHS Number ………………………….

Address ………….………………………………………………………................................

……………………………………………………… Telephone ……………................……

**Referring consultant anaesthetist (for clinic correspondence)**

Name…………………………………………………………………...

Address…………..………….…………………………………………

………………………………………………………………………....….

Telephone…………………… Secure Email ……………………

**Patient’s GP (for clinic correspondence)**

Name…………………………………………………………………...

Address…………..………….…………………………………………

……………………………………………………………....…………….

Telephone…………………… Secure Email ……………………

**Surgeon (for clinic correspondence)**

Name…………………………………………………………………...

Address…………..………….…………………………………………

………………………………………………………....………………….

Telephone…………………… Secure Email …………....…………

**Date of the reaction .…./…../20.... Time of onset of reaction ….../…...h (24h clock)**

**Suspected cause of the reaction**

1) ………………………........... 2) ……………........……..…… 3) …………………............…..…

**Proposed surgery or other procedure : ……………………………………………….……..**

Was surgery/procedure completed? Yes  No

If ‘no’, has another date for surgery being scheduled? Yes  No

Urgency/Date of future surgery.……………………………………………………………...

**Drugs administered IN THE HOUR BEFORE THE REACTION (including pre-med).**

**Please include any other relevant events or exposures, eg, Patent Blue dye**

|  |  |  |  |
| --- | --- | --- | --- |
| Drug or Event | Time  (24 hr clock) | Route of drug administration | Comments |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**IV Colloids/blood products given *BEFORE the onset of the reaction* with start times**

1 ………………….. \_\_\_\_\_:\_\_\_\_\_ 3………………….. \_\_\_\_\_:\_\_\_\_\_

3 ..………………… \_\_\_\_\_:\_\_\_\_\_ 4 ..………………… \_\_\_\_\_:\_\_\_\_\_

Neuraxial blockade Spinal  Epidural  CSE

|  |  |  |
| --- | --- | --- |
| Drug/Procedure | Time (24 hr clock) | Route |
|  |  |  |
|  |  |  |

Peripheral nerve/regional block Type of block(s) .........…………………………

|  |  |  |
| --- | --- | --- |
| Drug | Time (24 hr clock) | Route |
|  |  |  |
|  |  |  |

Latex-free environment? Yes  No

Chlorhexidine skin prep (by anaesthetist) Yes  No  Time(s) ......................

Chlorhexidine skin prep (by surgeon) Yes  No  Time ..........................

Chlorhexidine medical lubricant gel Yes  No  Time ..........................

Chlorhexidine-coated intravascular catheter Yes  No  Time .......................

**Drugs and IV fluids given to treat the reaction**

|  |  |  |  |
| --- | --- | --- | --- |
| Drug /IV fluid | Time (24 hour clock) | Route | Comments on response to treatment |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**CPR required Yes  No  Duration of CPR ........................**

**Adverse sequelae from this reaction e.g. cardiac, renal, neurological, respiratory, anxiety...................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................................**

**Investigations performed before referral (please give results)**

**NB It is the anaesthetist’s responsibility to obtain the results from the laboratory**

Were blood samples taken for mast cell tryptase (MCT)? Yes  No

First MCT sample Time\_\_\_:\_\_\_ Date\_\_\_/\_\_\_/\_\_\_\_ Result……..........…….

Second MCT sample Time\_\_\_:\_\_\_ Date\_\_\_/\_\_\_/\_\_\_\_ Result………..............

Third MCT sample Time\_\_\_:\_\_\_ Date\_\_\_/\_\_\_/\_\_\_\_ Result…..........……….

Other blood tests:

Test:…………….......…… Time\_\_\_:\_\_\_ Date\_\_\_/\_\_\_/\_\_\_\_ Result………………………

Test:………….......……… Time\_\_\_:\_\_\_ Date\_\_\_/\_\_\_/\_\_\_\_ Result………………………

Case discussed at a multidisciplinary meeting? Yes  No

Reported to the MHRA Yes  No

By whom? ……………………………………

MHRA Reference Number ...................................

**Please send the completed form to the allergy clinic together with:**

* Photocopy of the anaesthetic record and any previous anaesthetic records
* Photocopy of the prescription record (if relevant)
* Photocopy of relevant recovery-room documentation
* Photocopy of relevant ward documentation

*Please file a copy of this form in the patient’s medical record*