

## INFORMATION FOR PATIENTS

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# Duane's retraction syndrome

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This leaflet describes Duane's retraction syndrome, its causes and possible treatment.

### What is it?

Duane's is a congenital (from birth) condition. It is characterised by restriction of outward and/or inward movement of one or both eyes and possible face-turn to the affected side, i.e., restriction of the left eye from moving out is associated with a face-turn to the left.

There may also be changes in the eye fissure (i.e., the area between upper and lower eyelids), when looking to the sides.

There may or may not be a squint (a turn of one eye), when looking straight ahead.

This restriction of eye movements does not change over time.

### What causes it?

It has been found that the nerves which supply the eye muscles are switching on at the wrong times, preventing the eye moving properly.

### Is there any treatment?

A routine glasses check (refraction) will be carried out and glasses ordered if necessary, but usually no treatment is necessary. All that is required is monitoring of your child's vision until about the age of six or seven years.

If one eye has become lazy, occlusion therapy (patching) may be necessary to improve the vision in that eye. The orthoptist will advise on this treatment.

To improve the movement of the eye would involve physically altering the muscles. Surgical correction is very difficult and the outcome unpredictable. Surgery is only considered if the condition is causing problems.

### What are the possible problems associated with Duane's syndrome?

A very noticeable head turn, which is uncomfortable.

An exaggerated squint when looking straight ahead. Surgery would reduce the head-turn and/or improve the appearance of the squint, but it would still not make the eye move fully.

Occasionally, intermittent double vision may occur, usually in adulthood. If this does happen, and becomes a problem, a surgical approach may be needed, or special glasses can be used.

### Contact details

If you have any queries about your child's treatment please contact the Orthoptic Department:

- Email: [Sfh-tr.orthoptics@nhs.net](mailto:Sfh-tr.orthoptics@nhs.net)

- **Urgent orthoptic queries:**

- Telephone: 07768615247, Monday to Wednesday, 8am-4pm
- Telephone: 07825866704, Thursday to Friday, 8am-4pm

- **For appointment booking/cancellation:**

- Telephone: 01623 672383

### **Further sources of information**

NHS Choices: [www.nhs.uk/conditions](http://www.nhs.uk/conditions)

Our website: [www.sfh-tr.nhs.uk](http://www.sfh-tr.nhs.uk)

BIOS website: [www.orthoptics.org.uk](http://www.orthoptics.org.uk)

### **Patient Experience Team (PET)**

PET is available to help with any of your compliments, concerns or complaints, and will ensure a prompt and efficient service.

If you would like this information in an alternative format, for example large print or easy read, or if you need help with communicating with us, for example because you use British Sign Language, please let us know. You can call the Patient Experience Team on 01623 672222 or email [sfh-tr.PET@nhs.net](mailto:sfh-tr.PET@nhs.net).

This document is intended for information purposes only and should not replace advice that your relevant health professional would give you.

External websites may be referred to in specific cases. Any external websites are provided for your information and convenience. We cannot accept responsibility for the information found on them.

If you require a full list of references for this leaflet, please email [sfh-tr.patientinformation@nhs.net](mailto:sfh-tr.patientinformation@nhs.net) or telephone 01623 622515, extension 6927.

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