Clinical Commissioning Policy

Myopia, Hyperopia and Astigmatism, Laser Treatment

Category 1 Intervention - Not routinely commissioned -

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Purpose	This document is part of a suite of policies that the Integrated Care Board (ICB) uses to drive its commissioning of healthcare. Each policy in that suite is a separate public document in its own right but will be applied with reference to other policies in that suite.
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Document control:		
Date:	**Version Number:**	**Section and Description of Change**
April 2023	1	Policy ratified by Cheshire & Merseyside ICB

1. Introduction

1.1 This policy relates to the commissioning of interventions which optimise clinical effectiveness and represent value for money.

1.2 This document is part of a suite of policies which the Integrated Care Board (ICB) uses to drive its commissioning of healthcare. Each policy is a separate public document in its own right but should be considered alongside all the other policies in the suite as well as the core principles outlined in Appendix 1.

1.3 At the time of publication, the evidence presented per procedure/treatment was the most current available.

2. Purpose

2.1 This policy aims to ensure a common set of criteria for treatments and procedures across the region. This is intended to reduce variation of access to NHS services in different areas and allow fair and equitable treatment for all patients.

3. Policy statement

3.1 Laser correction for myopia, hyperopia or astigmatism is not routinely commissioned.

4. Exclusions

4.1 None

5. Rationale

5.1 It is generally thought that glasses (spectacles) are more cost-effective and carry a low risk than laser surgery.

6. Underpinning evidence

6.1 The current Cheshire CCG policy on surgery/laser treatment for myopia or hypermetropia is this intervention isn't routinely commissioned. There is no underpinning evidence to support this statement.

6.2 Laser eye surgery involves using a laser to burn away small sections of the cornea to correct the curvature so light is better focused onto the retina. There are 3 main types of laser eye surgery:

- **photorefractive keratectomy** (PRK) – where a small amount of the cornea's surface is removed, and a laser is used to remove tissue and change the shape of the cornea
- **laser epithelial keratomileusis** (LASEK) – similar to PRK, but involves using alcohol to loosen the surface of the cornea so a flap of tissue can be lifted out of the way, while a laser is used to alter the shape of the cornea; the flap is then put back in place afterwards
- **laser in situ keratectomy** (LASIK) – similar to LASEK, but a smaller flap of cornea is created

6.3 These procedures are usually carried out on an outpatient basis. Laser surgery isn't usually available on the NHS because other treatments, such as glasses or contact lenses, are considered to be equally, if not more, effective.[1] This is supported by NHS Manchester's policy for surgery for short sight which states that glasses are lower risk and more cost-effective. [1]

6.4 A general review article (2017) suggested that LASIK surgery is the best known and most widely performed technique. [2] However, there are few high-quality prospective studies of refractive surgery; existing evidence is limited by small series, short follow-up, lack of standardised outcome measures and continually changing terminology. Overall, there is general agreement that refractive surgery is safe and effective but certain individuals should approach this procedure with caution. Potential complications include dry eye and visual symptoms such as glare, halos, starbursts and reduced contrast sensitivity which can occur in up to 20% of cases.

6.5 However, NICE interventional procedures guidance IPG 164 on photorefractive (laser) surgery for the correction of refractive errors states that the intervention is safe and efficacious for use in appropriately selected patients. [3] Published in 2006, IPG 164 stipulates patients should understand the benefits and potential risks of the procedure which could include failure to achieve the expected improvement in unaided vision. NICE also state that refractive errors are *usually* corrected by wearing spectacles or contact lenses.

6.6 More recently (2011), NICE IPG 385 on laser correction of refractive error following ophthalmic surgery (such as cataract removal or corneal transplantation) also states that refractive errors are usually managed by wearing spectacles or contact lenses. Such surgery is only necessary in patients, in whom, spectacles or contact lenses do not adequately correct the refractive error. [4]

6.7 It is concluded that the Cheshire CCG policy should remain unchanged because spectacles are more effective and carry fewer risks. This policy is consistent with the Mersey CCG policy.

REFERENCES

1. Will S. Surgery for short sight. NHS Manchester local policy statement, 2011:1.
2. Wilkinson J, Cozine E, Khan A. Refractive eye surgery helping patients make informed decisions about LASIK. *American family physician* 2017;**95**(10)
3. Photorefractive (laser) surgery for the correction of refractive errors. Interventional procedures guidance. London: National Institute for health and care excellence, 2006:7.
4. Laser correction of refractive error following non-refractive ophthalmic surgery. Interventional procedures guidance. London: National Institute for health and care excellence, 2011:6.

7. Force

7.1 This policy remains in force until it is superseded by a revised policy or by mandatory NICE guidance or other national directive relating to this intervention, or to alternative treatments for the same condition.

[1] https://www.nhs.uk/conditions/short-sightedness/treatment/

8. Coding

8.1 **Office of Population Censuses and Surveys (OPCS)**

C46.1 Refractive keratoplasty
C44.2 Laser in situ keratomileusis
C44.4 Photorefractive keratectomy
C44.5 Laser subepithelial keratomileusis

8.2 **International classification of diseases (ICD-10)**

H52.0 Hypermetropia
H52.1 Myopia
H44.2 Degenerative myopia

9. Monitoring And Review

9.1 This policy may be subject to continued monitoring using a mix of the following approaches:

- Prior approval process
- Post activity monitoring through routine data
- Post activity monitoring through case note audits

9.2 This policy will be kept under regular review, to ensure that it reflects developments in the evidence base regarding effectiveness and value.

10. Quality and Equality Analysis

10.1 Quality and Equality Impact Analyses have been undertaken for this policy at the time of its review.

Appendix 1 - Core Objectives and Principles

Objectives

The main objective for having healthcare commissioning policies is to ensure that:
- Patients receive appropriate health treatments
- Treatments with no or a very limited evidence base are not used; and
- Treatments with minimal health gain are restricted.

Principles

This policy aims to ensure a common set of criteria for treatments and procedures across the region. This is intended to reduce variation of access to NHS services in different areas and allow fair and equitable treatment for all patients.

Commissioning decisions by ICB Commissioners are made in accordance with the commissioning principles set out as follows:
- Commissioners require clear evidence of clinical effectiveness before NHS resources are invested in the treatment.
- Commissioners require clear evidence of cost effectiveness before NHS resources are invested in the treatment.
- Commissioners will consider the extent to which the individual or patient group will gain a benefit from the treatment.
- Commissioners will balance the needs of an individual patient against the benefit which could be gained by alternative investment possibilities to meet the needs of the community.
- Commissioners will consider all relevant national standards and consider all proper and authoritative guidance.
- Where a treatment is approved Commissioners will respect patient choice as to where a treatment is delivered, in accordance with the ‘NHS Choice’ framework.
- Commissioning decisions will give ‘due regard’ to promote equality and uphold human rights. Decision making will follow robust procedures to ensure that decisions are fair and are made within legislative frameworks.

Core Eligibility Criteria

There are a number of circumstances where a patient may meet a ‘core eligibility criterion’ which means they are eligible to be referred for the procedures and treatments listed, regardless of whether they meet the criteria; or the procedure or treatment is not routinely commissioned.

These core clinical eligibility criteria are as follows:
- Any patient who needs ‘urgent’ treatment will always be treated.
- All NICE Technology Appraisals Guidance (TAG), for patients that meet all the eligible criteria listed in a NICE TAG will receive treatment.
- In cancer care (including but not limited to skin, head and neck, breast and sarcoma) any lesion that has features suspicious of malignancy, must be referred to an appropriate specialist for urgent assessment under the 2-week rule.
- NOTE: Funding for all solid and haematological cancers are now the responsibility of NHS England.
- Reconstructive surgery post cancer or trauma including burns.
- Congenital deformities: Operations on congenital anomalies of the face and skull are usually routinely commissioned by the NHS. Some conditions are considered highly specialised and are commissioned in the UK through the National Specialised Commissioning Advisory Group (NSCAG). As the incidence of some cranio-facial congenital anomalies is small and the treatment complex, specialised teams, working in designated centres and subject to national audit, should carry out such procedures.
- Tissue degenerative conditions requiring reconstruction and/or restoring function e.g. leg ulcers, dehisced surgical wounds, necrotising fasciitis.
- For patients wishing to undergo Gender reassignment, this is the responsibility of NHS England and patients should be referred to a Gender Identity Clinic (GIC) as outlined in the Interim NHS England Gender Dysphoria Protocol and Guideline 2013/14.

Cosmetic Surgery

Cosmetic surgery is often carried out to change a person's appearance to achieve what a person perceives to be a more desirable look.

Cosmetic surgery/treatments are regarded as procedures of low clinical priority and therefore not routinely commissioned by the ICB Commissioner.

A summary of Cosmetic Surgery is provided by NHS Choices. Weblink:
http://www.nhs.uk/conditions/Cosmetic-surgery/Pages/Introduction.aspx and
http://www.nhs.uk/Conditions/Cosmetic-surgery/Pages/Procedures.aspx

Diagnostic Procedures

Diagnostic procedures to be performed with the sole purpose of determining whether or not a restricted procedure is feasible should not be carried out unless the eligibility criteria are met, or approval has been given by the ICB or GP (as set out in the approval process of the patients responsible ICB) or as agreed by the IFR Panel as a clinically exceptional case.

Where a General Practitioner/Optometrist/Dentist requests only an opinion the patient should not be placed on a waiting list or treated, but the opinion given and the patient returned to the care of the General Practitioner/Optometrist/Dentist, in order for them to make a decision on future treatment.

Clinical Trials

The ICB will not fund continuation of treatment commenced as part of a clinical trial. This is in line with the Medicines for Human Use (Clinical Trials) Regulations 2004 and the Declaration of Helsinki which stipulates that the responsibility for ensuring a clear exit strategy from a trial, and that those benefiting from treatment will have ongoing access to it, lies with those conducting the trial. This responsibility lies with the trial initiators indefinitely.

Clinical Exceptionality

If any patients are excluded from this policy, for whatever reason, the clinician has the option to make an application for clinical exceptionality. However, the clinician must make a robust case to the Panel to confirm their patient is distinct from all the other patients who might be excluded from the designated policy.

The ICB will consider clinical exceptions to this policy in accordance with the Individual Funding Request (IFR) Governance Framework consisting of: IFR Decision Making Policy; and IFR Management Policy.