COMMENT





Development and implementation of a Greater Manchester COVID19 Urgent Eyecare Service

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In response to COVID19, NHS England/Improvement (NHSE/I) set out that alongside routine General Ophthalmic Services (GOS) sight testing ceasing (and acknowledging that the remaining essential GOS is not an urgent or emergency service), urgent eye care would need to be commissioned and delivered through a contract with local commissioners [1].

In April 2020 the Royal College of Ophthalmologists [2] and the College of Optometrists [3] welcomed the COVID19 Urgent Eyecare Service (CUES) specification published by NHSE/I, affording clarity over arrangements enabling patients to access urgent eye care in the community, with only high-risk patients requiring referral to hospital ophthalmic emergency services. This single specification service is intended to be delivered via primary care optometrists acting as urgent eyecare hubs, supported by hospital ophthalmology, and commissioned locally by Clinical Commissioning Groups (CCGs).

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In this article, we describe the development of CUES in Manchester and Greater Manchester (GM), noting opportunities afforded with requirement for rapid implementation of a new service, albeit one building on existing collaborations, capitalising on new technology and the emergence of a critical mass of optometrists with Independent Prescribing (IP) accreditation. We emphasise the importance of collaboration, including clinicians in primary and secondary care, commissioners, and technology providers.

Manchester has a longstanding tradition of locally commissioned services, being first to establish a glaucoma referral filtering service [4], implementing a pathway refined over the years alongside changes in national guidance [5–8]. Facilitated by this history of engagement, and indeed prior to COVID19, discussions had been held to establish ways in which primary and secondary care ophthalmic services might be enhanced, recognising capacity limitations within hospital ophthalmology, the evolving scope of practice of optometrists, and recommendations from: Royal College of Ophthalmologists [9]; the Clinical Council for Eye Health Commissioning [10]; NHSE's elective care transformation programme [11]; and the Ophthalmology GIRFT Programme [12]. Local enablers in developing CUES included.

First, the Manchester and GM locality is served by Primary Eyecare Services (PES), an Optometry Federation established by Local Optical Committees in England, and the largest provider of 'extended' PES delivered via a network of optometry practices. PES hold contracts with a number of CCGs to deliver extended PES including glaucoma, cataract and minor eye conditions. PES had a current contractual arrangement with Manchester CCG facilitating their ability to effectively commission CUES through a contract variation.

Second is the availability of the OPERA (OPtometric Electronic Referral and Assessment) platform for managing referrals. The system brings NHS IT infrastructure into primary care optometry, facilitating appropriate role 706 R. A. Harper et al.

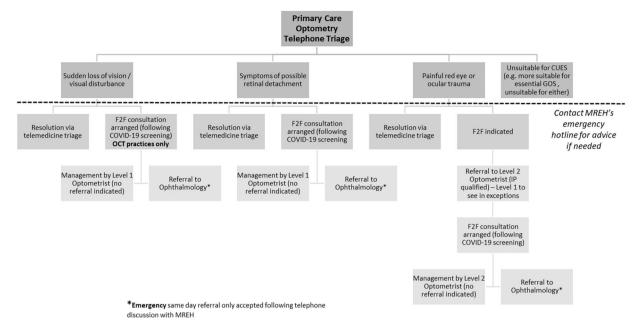


Fig. 1 Summary clinical pathway for the Manchester CUES. Key: Face to face consultation F2F, General Ophthalmic Services GOS, Level 2 optometrist has the Independent Prescribing, IP, qualification.

based access to NHS number lookup and, for urgent care cases, the Summary Care Record (SCR). Once completed primary care assessments can be sent to the NHS e-Referral Service (e-RS). Significantly Opera integrates with hospital Picture Archiving Communication Systems (PACS), Patient Administration Systems and allows notifications of referrals through the system. The former allows optometrists to attach non-degraded images alongside referrals, including volumetric OCT analysis, of particular value to the urgent macula referral arm within CUES. A related practice-based enabler is the growing number of practices with OCT and/or other imaging, which for the first time locally allows for image transfer consistent with NHS Digital's requirements. Images uploaded to OPERA PACS can be viewed in primary and secondary care and sent onwards for integration into other imaging and reporting platforms. The use of triage functions within e-RS enables two-way correspondence between primary and secondary care. While developed in response to urgent care, the system offers opportunities to develop collaborations for future shared care models.

Third is the growing number of optometrists within GM with the IP qualification. These practitioners largely had their courses funded through Health Education England, with clinical placements being within local eye units, notably Manchester Royal Eye Hospital (MREH). This arrangement confers feasibility for using a second level of optometric practitioner for inter-optometric referral of selected cases following initial telephone

triage, allowing a more complex patient case mix to be assessed and managed within CUES than would otherwise have been the case.

Finally, there is the local engagement such that in anticipation of the NHSE/I service specification on CUES published in mid-April 2020, a collaboration of GM LEHN, Manchester CCG and MREH worked on plans in March 2020 to develop an urgent eyecare service in supporting immediate and recovery phases of the Coronavirus Pandemic. Setting up CUES required collaboration across the system, with primary and secondary care clinicians working together to develop the pathway (see Fig. 1). The intention is to safely deliver urgent eye care in the community using remote triage and consultations by telemedicine, minimising face-to-face appointments, making use of technology to allow for advice around referrals via e-RS, and reducing burdens on the rest of primary care and within secondary care. While the Manchester CUES was intended to align with the generic NHSE/I specification, it was intended to make use of local opportunities, as outlined above, with clinicians within MREH's acute services developing clinical guideline documentation and a prescribing formulary (Table 1).

The launch event for the service in Manchester and elsewhere also reflected our collaboration, in having optometrists expressing an interest in providing CUES attend a joint MREH and PES webinar via Microsoft Teams, providing explanations of the pathway and clinical scenarios, as well as reviewing administrative and contract related requirements. The service has now been implemented in six

Table 1 Manchester CUES formulary for optometrists (including those with IP^a), summarising the provisional list of pharmacological treatments, and anticipated indications, at the commencement of the service and to be prescribed via FP10s in the community.

Medication	Form	Strength	Quantity	Indications
Anti-infectives				
Chloramphenicol ^a	Eye drops	0.5%	10 ml	Corneal abrasion Post FB removal
Chloramphenicol ^a	Eye ointment	1%	4 g	Corneal abrasion Hordeolum
Fusidic acid	Eye drops	1%	5 g	
Ofloxacin ^a	Eye drops	0.3%	5 ml	Abrasion AND contact lens wearer CL-related keratitis
Ganciclovir ^a	Eye gel	0.15%	5 g	Herpes simplex keratitis
Ocular lubricants				
Hypromellose	Eye drops	0.5%	10 ml	Symptoms of dry eye
Carbomer 980	Eye gel	0.2%	10 g	Symptoms of dry eye Conjunctivitis Episcleritis
Liquid paraffin and white soft paraffin	Eye ointment			Symptoms of dry eye Entropion and ectropion
Sodium hyaluronate preservative free	Eye drops	0.15%	10 ml	If sensitive to preservatives or frequent use
Antihistamines and mast cell stal	oilisers			
Antazoline and xylometazoline (Otrivine-Antistin)	Eye drops	0.5%/0.05%	10 ml	Allergic conjunctivitis
Sodium cromogylcate	Eye drops	2%	10 ml	Allergic conjunctivitis
Corticosteroids				
Prednisolone acetate ^a	Eye drops	1%	5 ml	Recurrent anterior uveitis
Antimuscarinics				
Cyclopentolate hydrochloride ^a	Eye drops	1%	5 ml	Recurrent anterior uveitis

^aTherapeutics available to IP optometrists within CUES.

CCGs (as of 1st June 2020) within the GM conurbation, with referrals including images and SCR through e-RS and NHSmail.

CUES is commissioned in Manchester for 6 months but is expected to have relevance thereafter, being flexible enough to accommodate changes or additional arrangements around referral, whether urgent, as is the case here, or routine, capitalising on the collaboration and IT capabilities beyond CUES. We believe that a key strength of the development and implementation described herein is stakeholder engagement in an increasingly complex NHS commissioning landscape. NHSE/I have proposed a number of expected benefits of CUES, not least safe and effective reduction in ophthalmology attendances. An evaluation across primary and secondary care is planned to address the all-important question of whether CUES will reduce the queues.

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Compliance with ethical standards

Conflict of interest IAP is the clinical lead at FDS Consultants, responsible for the OPERA system. MJ is Clinical Director at Primary Eyecare Services, holder of the contract with Manchester CCG in relation to CUES and other primary care optometry delivered services.

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