

## *Biography 2022*

### **Professor Conor C Murphy**

MB BCh BAO (Hons), MMedSc (Hons), PGCert (TLCP), FRCSI, FRCOphth, PhD

Irish Medical Council Registration number 20332



Professor Conor Murphy is the Chair and Professor of Ophthalmology at the RCSI University of Medicine and Health Sciences and a consultant ophthalmic surgeon at the Royal Victoria Eye and Ear Hospital in Dublin. He specialises in uveitis, disorders of the cornea and ocular surface and corneal transplantation. He heads the Ocular Immunology Research Group at RCSI, which focuses on research into dry eye disease and ocular surface inflammation, corneal transplantation and uveitis. As post-graduate Professor of Ophthalmology, Professor Murphy is also the Chief Examiner of the postgraduate MRCSI and FRCSI examinations in ophthalmology in Ireland.

### **Current position**

Professor and Chair of Ophthalmology, RCSI University of Medicine and Health Sciences 2009 -  
Consultant Ophthalmic Surgeon, Royal Victoria Eye and Ear Hospital, Dublin 2009 -

### **Education and qualifications**

- 1996 MB BCh BAO (Hons), University College Dublin, Ireland
- 1998 MMedSc in Physiology (Hons), University College Dublin, Ireland
- 2000 FRCSI (Ophthalmology)
- 2001 MRCOphth (UK)
- 2005 PhD in Ocular Immunology, University College Dublin, Ireland
- 2007 FRCOphth (UK)
- 2008 Postgraduate Certificate in Teaching and Learning in Clinical Practice, University of Chester and Edge Hill University, United Kingdom
- 2008 Certificate of Completion of Training UK (CCT, awarded 8<sup>th</sup> April 2008)

## Summary of key clinical, academic and governance roles

### Current roles

Co-director of Year 4 of Medicine, RCSI University of Medicine and Health Sciences 2020-  
Undergraduate and postgraduate Professor of Ophthalmology, RCSI 2009-  
Chief examiner of the MRCSI (Ophth) and FRCSI (Ophth) examinations 2009-  
Co-chair of the Learning Environment Development Committee RCSI 2019-  
Member of the Board of the Royal Victoria Eye and Ear Hospital Research Foundation 2009-  
Member of the Academic Council, RCSI 2009-  
Principle Investigator, Department of Pharmacy and Biomolecular Sciences, RCSI 2009-  
Irish representative of the European University Professors of Ophthalmology Council 2018-  
Academic member of Irish College of Ophthalmologists Training Advisory Committee 2009-  
Founding committee member of the Irish Regional Ophthalmic Anaesthesia Society 2009-  
Member of the European Cornea Conference, Bowman Club, American Academy of Ophthalmology,  
Association for Research in Vision and Ophthalmology (ARVO), and Irish College of Ophthalmologists  
Chairman of the Department of Ophthalmology, Royal Victoria Eye and Ear Hospital 2018-2020

### Past roles

Member of the Board of Beaumont Hospital, Dublin 2017-2020  
Chairman of the Governance and Risk Committee of Beaumont Hospital 2017-2020  
Medical Director of the Royal Victoria Eye and Ear Hospital 2013-2016  
Director of Education and Research of the Royal Victoria Eye and Ear Hospital 2010-2013  
Member of the Medical and Health Sciences Board, RCSI, 2015-2018  
Member of the Opticians Board of Ireland 2010-2015

## Description of research interests

### 1) Corneal transplantation research

VISICORT is a multi-disciplinary research project involving 12 partners from across the EU with expertise in corneal transplantation, cell therapy, immunology, bio-sampling, systems biology/immune profiling and bioinformatics. The project will complete the first ever systematic immune profiling of human corneal transplant recipients. Clinical data and bio-specimens from over 900 corneal transplant recipients at 5 leading transplant centres, including the Royal Victoria Eye and Ear Hospital and RCSI, have been centrally collated and distributed to cutting-edge laboratories where multi-platform profiling and integrated bioinformatics analyses are underway. Profiling data will generate a better understanding of corneal transplant rejection and failure. This knowledge will be used to develop novel biomarker-based surveillance strategies and, coupled with SME-based expertise in cell product development, will also inform the design and initiation of an optimised clinical trial strategy of immunomodulatory stromal stem cell therapy in high-risk human corneal transplant recipients. The project is being coordinated by Prof Matt Griffin, Professor of Transplant Biology at NUI, Galway. Benefitting from a €6 million award from the European Commission, the project launched in May 2014 and will be completed in April 2021. There has been a strong commitment and contribution to this project from the Royal Victoria Eye and Ear Hospital and we look forward to being able to achieve better outcomes for our patients in the future. See [www.visicort.eu](http://www.visicort.eu)

### 2) Primary Sjögren's Syndrome Research

Primary Sjögren's Syndrome (pSS) is an autoimmune disease that destroys the specialised secretary

glands that produce saliva and tears, causing dry eyes and dry mouth as well as generalized symptoms of aches, pains and lethargy. There is currently no cure for pSS and the exact cause is unknown. In this study we are expanding our understanding of this disease at a molecular level by investigating the epigenetic control of inflammation mediated by microRNA, tiny RNA genes that act as a switch for biological processes like inflammation. We are measuring microRNA in blood immune cells and ocular surface cells as well as examining tear samples for inflammatory mediators. As well as aiming to identify biomarkers of disease, this study is focussed on developing new nanoparticle based therapeutic agents that inhibit inflammation by exploiting microRNAs expressed on the surface of the eye. It forms part of the PhD thesis of Dr Emily Greenan, Clinical Tutor and PhD candidate, RCSI.

## 2) Graft versus host disease research

Graft versus host disease (GVHD) is a severe immune reaction to stem cell transplant therapies for haematological disorders, most commonly blood cell cancers. One of the most severe manifestations of GVHD is ocular surface inflammation and dry eye disease. As the main focus of Dr Greenan's PhD thesis, our work aims to improve the detection and treatment of ocular GVHD and enhance our understanding of the epigenetic control of inflammation of the surface of the eye in this condition. This project is supported by a strong collaboration with the Department of Haematology and the national haematology stem cell transplant centre at St James' Hospital.

## 3) Acute anterior uveitis research

Acute anterior uveitis (AAU) is characterised by the acute onset of inflammation in the front compartment of the eye, leading to pain, light sensitivity and blurred vision. We have defined, in an Irish Cohort, the clinical characteristics of AAU and have established a simple algorithm called the DUET algorithm for the rapid detection of spondyloarthritis in patients with AAU. We are also investigating the molecular mechanisms of this disease, in particular the role of dendritic cells and microRNA in the pathogenesis of AAU. Following the recent publication of our work on microRNA in AAU, we are currently studying a larger cohort of patients to explore the role of microRNA in both blood immune cells and the aqueous humour of the eye in HLA B27 positive and negative patients. This work is being undertaken by Dr Esraa Hegazy, Clinical Lecturer in Ophthalmology, in collaboration with the Department of Rheumatology at St Vincent's University Hospital, Dublin and UCD.

## 4) Fuch's corneal dystrophy and Keratoconus

This project will undertake an in-depth study of two of the most common corneal conditions, keratoconus and Fuch's Endothelial Corneal dystrophy, using a unique multi-omics approach. The aim is to profile families of proteins, lipids and metabolites, using state-of-the-art mass spectrometry techniques, and provide new insights into disease pathogenesis and progression by analysing different eye tissue samples from the same patient at different time points. Professor Murphy is a co-investigator on this project which is being undertaken at the University of Edinburgh.

## 6) National Uveitis Registry

Prof Murphy recently set up a national registry of patients with uveitis. With the help of this registry, we hope to identify epidemiological trends, audit treatment outcomes and deliver effective laboratory, clinical and health service research with the overarching aim of improving outcomes for

patients with uveitis.

#### 7) Giant cell arteritis

Prof Murphy is Principal Investigator on a multi-centre study aimed at improving outcomes in giant cell arteritis through multidisciplinary collaboration. We are studying novel imaging strategies and pathogenic mechanisms of GCA using an ex-vivo temporal artery culture model. This work is being undertaken in collaboration with the Department of Rheumatology at St Vincent's University Hospital, Dublin and UCD.

#### 8) National Corneal Transplantation Registry

Prof Murphy and colleagues set up this registry in 2011 to help audit outcomes of corneal transplantation in Ireland and to identify health service needs in the area of complex corneal disease.

### **Higher research degrees supervised**

Dr Katja Iselin, Outcome after reversed corneal graft rejection: A descriptive analysis on patients included in the prospective VISICORT study. MCh, RCSI 2021.

Dr Rana Khalil, De-novo glaucoma post keratoplasty: a systematic review. MCh, NUI Galway 2020.

Dr David Shahnazaryan, The Role of Viral Regulatory Protein ICPO in Herpes Simplex Type I Keratitis, MD, RCSI 2019.

Ni Mhealoid Aine, Vision-Related and Health-Related Quality of Life in Patients with Giant Cell Arteritis, MCh by Module, RCSI 2018.

Goodchild Christine, Impact of Anterior Uveitis on patients: 5 year prognosis from the DUET study. MCh by Module, RCSI 2018.

O'Rourke Micheal, Clinical characteristics and molecular mechanisms in non-infectious anterior uveitis. PhD, UCD & NUI 2016.

Pilson Qistina, Profiling microRNA in primary Sjogren's syndrome: a quantitative and qualitative analysis of an Irish cohort. MD, RCSI & NUI 2016.

Ramasamy Pathma, Quantitative proteomic analysis and gene expression profiling microarray re-analysis of uveal melanoma. MD, RCSI & NUI 2015.

Al Arrayedh Hamed. Outcomes of corneal transplantation in Irish patients with Congenital Hereditary Endothelial Dystrophy (CHED). Masters of Medicine (Ophthalmic Science), University of Sydney 2015.

De Chaumont Ciaran. Investigating the effect of corneal Herpes Simplex Virus infection on Toll like receptor expression in human Peripheral Blood mononuclear cells. MSc RCSI & NUI 2013

## Grant awards

- 2021 Royal Victoria Eye and Ear Hospital Research Foundation. “Multiomic characterization of ocular graft versus host disease from patient tears” (Dr Emily Greenan, Clinical Research Fellow/ Clinical Tutor, RCSI; €7,500)
- 2020 Royal Victoria Eye and Ear Hospital Research Foundation. “Establishing 2D and three-dimensional models of inflammatory dry eye disease to test novel microRNA therapeutics in human conjunctival epithelial cells’ (Dr Emily Greenan, Clinical Research Fellow/ Clinical Tutor, RCSI; €7,500)
- 2019 Royal Victoria Eye and Ear Hospital Research Foundation. “Multiomic profiling of ocular inflammation in dry eye disease” (Dr Emily Greenan, Clinical Research Fellow/ Clinical Tutor, RCSI; €15,000)
- 2018 Royal Victoria Eye and Ear Hospital Research Foundation. “Targeting ocular inflammation in dry eye disease with novel microRNA-based therapeutics” (Dr Emily Greenan, Clinical Research Fellow/ Clinical Tutor, RCSI; €15,000)
- 2018 AbbVie. “Development and implementation of a National Uveitis Registry”. (Prof Conor Murphy, €84,000)
- 2018 Santen. “Effect of Ikervis on cytokine and microRNA profile at th ocular surface in severe keratitis due to dry eye disease” (Prof Conor Murphy; €45,000)
- 2018 Irish College of Ophthalmologists/Novartis annual research award. “Targeting ocular inflammation in dry eye disease with novel microRNA-based therapeutics” (Dr Emily Greenan, Clinical Research Fellow/ Clinical Tutor, RCSI; €35,000)
- 2017 Royal Victoria Eye and Ear Hospital Research Foundation. “Profiling miRNA expression in acute anterior uveitis” (Dr Christine Goodchild, Clinical Research Fellow, RCSI; €15,000)
- 2016 Irish College of Ophthalmologists/Novartis annual research award. “Utilising microRNA-based therapeutics for the development of novel targeted drug delivery device for patients with dry eye disease” (Dr Sinead Connolly, MCh candidate; €17,500)
- 2015 Royal Victoria Eye and Ear Hospital Research Foundation. “Utilising microRNA-based therapeutics for the development of novel targeted drug delivery device for patients with dry eye disease” (Dr Sinead Connolly, MCh candidate; €15,000)
- 2014 Private donor. “Targeting inflammation in Sjögren’s syndrome—novel microRNAs as potential therapeutics”. (€27,000)
- 2014 Health Research Board/ Medical Research Charities Group “Restoring immune balance in patients with primary Sjögren’s syndrome by modulating microRNA expression” (€40,000)
- 2014 RCSI Seed funding call “Modulating microRNA expression as a means to restore immune function in patients with primary Sjogrens Syndrome” (€30,000)
- 2013 ICO/Pfizer Research Fellowship “Acute anterior uveitis in an Irish Cohort: clinical characteristics and molecular mechanisms” (Dr Micheal O’Rourke, €35,000)

- 2013 EU FP7 grant Award. Partner in VISICORT: Adverse Immune Signatures and their Prevention in Corneal Transplantation (Prof Conor Murphy €400,000; total consortium: €6 million)
- 2012 Health Research Board/ Medical Research Charities Group: “Profiling Toll-like receptor responses in patients with primary Sjögren’s syndrome” (€50,000)
- 2011 Royal Victoria Eye and Ear Hospital Research Foundation: “Acute anterior uveitis in an Irish Cohort: clinical characteristics and molecular mechanisms” (Dr Micheal O’Rourke, €30,000)
- 2011 Irish College of Ophthalmologists/Pfizer Research Fellowship: “Targeting toll-like receptor pathways in the treatment of HSV-1 keratitis” (€35,000)
- 2010 RVEEH Research Foundation: “Evasion of the innate immune response by HSV-1 in the cornea: molecular mechanisms mediating interferon downregulation and virus survival” (€20,000)

## Peer reviewed publications

### BOOKS

Mark Batterbury & Conor Murphy. Ophthalmology: An Illustrated Colour Text (4<sup>th</sup> Ed. 2018). Elsevier, Edinburgh.

### BOOK CHAPTERS

Quill B, **Murphy CC**. A pharmacokinetic review of antibiotics used in the treatment and prophylaxis of endophthalmitis. Book chapter in: Endophthalmitis. Nova Publishers 2015.

O’Rourke M, Haroon M, **Murphy CC**, FitzGerald O. Anterior Uveitis in Spondyloarthropathy: The ophthalmologist’s role in earlier recognition. Book chapter in Ankylosing spondylitis; symptoms, treatment and complications. Nova Publishers. 2013, ISBN: 978-1-62618-362-9

### PEER REVIEWED JOURNAL PUBLICATIONS

- [Investigation of type I interferon responses in ANCA-associated vasculitis](#)  
[Journal Article] Batten I, Robinson MW, White A, Walsh C, Fazekas B, Wyse J, Buettner A, D’Arcy S, Greenan E, Murphy CC, Wigston Z, Gabhann-Dromgoole JN, Vital EM, Little MA, Bourke NM Scientific Reports 11(1) Published 1 Dec 2021
- [Optimising the method for isolating ocular surface microRNA using impression cytology](#)  
[Journal Article] Greenan E, Murphy CC, Ní Gabhann-Dromgoole J Ocular Surface 22:83-85 Published 1 Oct 2021
- [Advancing our understanding of corneal herpes simplex virus-1 immune evasion mechanisms and future therapeutics](#)

[Journal Article] Greenan E, Gallagher S, Khalil R, Murphy CC, Gabhann-Dromgoole  
JN Viruses 13(9) Published 1 Sep 2021

- [A scoping review of quality of life questionnaires in glaucoma patients](#)  
[Journal Article] Gazzard G, Kolko M, Iester M, Crabb DP, Emesz M, Hirn C, Hommer A, Kaya S, Kellner L, Lenzhofer M, Vass C, Collignon N, de Groot V, Duchesne B, Kestelyn P, Koppen C, Stalmans I, Stevens AM, Samsonova B, Zoric-Geber M, Knudsen LL, Thygesen J, Setälä N, Vesti E, Baudouin C, Chiambaretta F, Daien V, Rousseau A, Burk R, Erb C, Kaercher T, Lanzl I, Messmer E, Steven P, Anastasopoulos E, Boboridis K, Katsanos A, Kyroudis D, Topouzis F, Murphy C, Aragona P, Traverso CE, Maldonado H, Miranda AR, Santacruz C, Ramos N, Lemij H, Klyve P, Raeder S, Misiuk-Hojlo M, Uram D, Wierzbowska J, Wylegala E, Zaleska-Zmijewska A, Pinto LA, Alves N, Fig-Ueiredo A, Melo A, Monteiro T, Kuroyedov A, Lisochkina A, Maychuk D, Petrov S, Safonova T, Cvenkel B, Anton A, Benitez-Del-Castillo JM, Duch S, Galarreta D, Muñoz-Negrete F, Johannes-Son G, van Setten G, Blaser F, Iliev M, Knecht-Bosch M, Megevand GS, Wagels B, Ansari E, Barton K, Salmon J, Shortt A, Tildsley J, Srinivasan S, Zormpas S, Drozhzhina G, Karliychuk M, Shargorodska I, Buttle L, Théa L Journal of Glaucoma 30(8):732-743 Published 1 Aug 2021
- [Changing trends in corneal transplantation: a national review of current practices in the Republic of Ireland](#)  
[Journal Article] Iselin KC, Greenan E, Hynes C, Shaw S, Fulcher T, Power WJ, Quill B, Guerin M, Lee WH, Murphy CC Irish Journal of Medical Science 190(2):825-834 Published 1 May 2021
- [Behçet's disease presenting as bilateral occlusive retinal vasculitis in a young woman](#)  
[Journal Article] Muid J, Stephenson KAJ, Hegazy E, Murphy CC BMJ Case Reports 14(3) Published 4 Mar 2021
- [Monocular syphilitic uveitis](#)  
[Journal Article] Harford DA, Green Sanderson K, Stephenson KAJ, Murphy CC BMJ Case Reports 14(2) Published 9 Feb 2021
- [5-year longitudinal study of clinical and patient-reported outcomes in acute anterior uveitis](#)  
[Journal Article] Goodchild C, O'Rourke M, Haroon M, FitzGerald O, Murphy CC Eye (Basingstoke) 35(2):651-658 Published 1 Feb 2021
- [Presentation of Infectious Keratitis to ED during COVID-19 Lockdown](#)  
[Journal Article] Power B, Donnelly A, Murphy C, Fulcher T, Power W Journal of Ophthalmology 2021 Published 1 Jan 2021
- [The burden of methicillin-resistant Staphylococcus aureus in the delivery of eye care](#)  
[Journal Article] Harford DA, Greenan E, Knowles SJ, Fitzgerald S, Murphy CC Eye (Basingstoke) Published 1 Jan 2021
- [Beware the quiet eye: Primary vitreoretinal lymphoma masquerading as posterior uveitis](#)

[Journal Article] Almas T, Stephenson KAJ, Ehtesham M, Murphy CC BMJ Case Reports 13(12) Published 31 Dec 2020

- [Herpes simplex virus 1 targets IRF7 via ICPO to limit type I IFN induction](#)  
[Journal Article] Shahnazaryan D, Khalil R, Wynne C, Jefferies CA, Ní Gabhann-Dromgoole J, Murphy CC Scientific Reports 10(1) Published 1 Dec 2020
- [TFOS European Ambassador meeting: Unmet needs and future scientific and clinical solutions for ocular surface diseases](#)  
[Journal Article] Erickson S, Sullivan AG, Barabino S, Begovic E, Benitez-del-Castillo JM, Bonini S, Borges JS, Brzheskiy V, Bulat N, Cerim A, Craig JP, Cuşnir V, Cuşnir V, Doan S, Dülger E, Farrant S, Geerling G, Goldblum D, Golubev S, Gomes JAP, González-Méijome JM, Grupcheva CN, Gündüz ÖU, Horwath-Winter J, Källmark F, Karanadze N, Karcic HH, Karcic S, Kontadakis G, Messmer EM, Mrugacz M, Murphy C, O'Leary OE, Procopciuc V, Pult H, Raus P, Şahin A, Setälä N, Stanila A, Stanila DM, Utheim TP, Vehof J, Versura P, Villani E, Willcox MDP, Wolffsohn JS, Zagórski Z, Zoega GM, Sullivan DA Ocular Surface 18(4):936-962 Published 1 Oct 2020
- [PRDX3 is associated with metastasis and poor survival in uveal melanoma](#)  
[Journal Article] Ramasamy P, Larkin AM, Linge A, Tiernan D, McAree F, Horgan N, Moriarty P, Beatty S, Murphy CC, Clynes M, Kennedy S, Meleady P Journal of Clinical Pathology 73(7):408-412 Published 1 Jul 2020
- [miR-744-5p contributes to ocular inflammation in patients with primary Sjogrens Syndrome](#)  
[Journal Article] Pilson Q, Smith S, Jefferies CA, Gabhann-Dromgoole JN, Murphy C Published 4 May 2020
- [Reply](#)  
[Journal Article] McSwiney T, Power B, Murphy CC, Brosnahan D, Power W Cornea 39(2):e5 Published 1 Feb 2020
- [Vision-related and health-related quality of life in patients with giant cell arteritis.](#)  
[Journal Article] Mhéalóid AN, Conway R, O'Neill L, Clyne B, Molloy E, Murphy C Published 20 Jan 2020
- [Refractory recurrent ocular graft versus host disease](#)  
[Journal Article] Greenan E, Vandenberghe E, Murphy CC BMJ Case Reports 12(12) Published 15 Dec 2019
- [Clinical and microbiological characteristics of Moraxella keratitis](#)  
[Journal Article] Mcswiney TJ, Knowles SJ, Murphy CC British Journal of Ophthalmology 103(12):1704-1709 Published 1 Dec 2019
- [High-risk Corneal Transplantation: Recent Developments and Future Possibilities](#)  
[Journal Article] Armitage WJ, Goodchild C, Griffin MD, Gunn DJ, Hjortdal J, Lohan P, Murphy CC, Pleyer U, Ritter T, Tole DM, Vabres B Transplantation 103(12):2468-2478



- [Systemic IL-1 \$\beta\$  production as a consequence of corneal HSV-1 infection-contribution to the development of herpes simplex keratitis](#)  
[Journal Article] Gabhann-Dromgoole JN, De Chaumont C, Shahnazaryan D, Smith S, Malone C, Hassan J, De Gascun CF, Jefferies CA, Murphy C Published 18 Sep 2019
- [Safety and Efficacy of Supratarsal Triamcinolone for Treatment of Vernal Keratoconjunctivitis in Ireland](#)  
[Journal Article] McSwiney TJ, Power B, Murphy CC, Brosnahan D, Power W Cornea 38(8):955-958 Published 1 Aug 2019
- [Corneal melt secondary to eosinophilic granulomatosis with polyangiitis](#)  
[Journal Article] Fennelly E, Greenan E, Murphy CC BMJ Case Reports 12(6) Published 1 Jun 2019
- [Performance characteristics and predictors of temporal artery ultrasound for the diagnosis of giant cell arteritis in routine clinical practice in a prospective cohort](#)  
[Journal Article] Conway R, O'Neill L, McCarthy GM, Murphy CC, Veale DJ, Fearon U, Killeen RP, Heffernan EJ, Molloy ES Clinical and experimental rheumatology 37(2):72-78 Published 1 Mar 2019
- [Novel gene targets for miRNA146a and miRNA155 in anterior uveitis](#)  
[Journal Article] O'Rourke M, Trenkmann M, Connolly M, Fearon U, Murphy CC British Journal of Ophthalmology 103(2):279-285 Published 1 Feb 2019
- [Ustekinumab for refractory giant cell arteritis: A prospective 52-week trial](#)  
[Journal Article] Conway R, O'Neill L, Gallagher P, McCarthy GM, Murphy CC, Veale DJ, Fearon U, Molloy ES Seminars in Arthritis and Rheumatism 48(3):523-528 Published 1 Dec 2018
- [IL-16/miR-125a axis controls neutrophil recruitment in pristane-induced lung inflammation](#)  
[Journal Article] Smith S, Wu PW, Seo JJ, Fernando T, Jin M, Contreras J, Montano EN, Gabhann JN, Cunningham K, Widaa A, McCarthy EM, Molloy ES, Kearns G, Murphy CC, Kong W, Björkbacka H, Kornfeld H, Forbess L, Venuturupalli S, Ishimori M, Wallace D, Weisman MH, Jefferies CA Journal of Clinical Investigation 3(15) Published 9 Aug 2018
- [The pathogenic role of dendritic cells in non-infectious anterior uveitis](#)  
[Journal Article] O'Rourke M, Fearon U, Sweeney CM, Basdeo SA, Fletcher JM, Murphy CC, Canavan M Experimental Eye Research 173:121-128 Published 1 Aug 2018
- [Guidance on Noncorticosteroid Systemic Immunomodulatory Therapy in Noninfectious Uveitis: Fundamentals Of Care for Uveitis \(FOCUS\) Initiative](#)  
[Journal Article] Dick AD, Rosenbaum JT, Al-Dhibi HA, Belfort R, Brézin AP, Chee SP, Davis JL, Ramanan AV, Sonoda KH, Carreño E, Nascimento H, Salah S, Salek S, Siak J, Steeples L, Accorinti M, Acharya N, Adan A, Agrawal R, Akkoc N, Al Ghamdi S, Al Ghamdi T, Al Saati A, Alsabaani N, Al-Shamarani M, Bachtta A, Barisani-Asenbauer T, Beare N, Porto FBO, Blanco R, Yee ACS, Chandran V, Chiquet C, Chng HH, Cimbaldas A, Cimino L, Cordero-Coma M, Cristobal

C, Cuevas M, Eurico da Fonseca J, de Boer J, de la Torre A, De Schryver I, Derzko-Dzulynsky L, Diaz-Valle D, Merino CED, Facsko A, Figueira L, Fonollosa A, Fortin E, Gale R, Galeazzi M, Garcia S, Garcia Ruiz de Morales JM, Gašperšič N, Goldstein D, Guedes M, Guex-Crosier Y, Gul A, Hamam R, Haroon M, Hasegawa K, Heiligenhaus A, Hooper C, Hwang YS, Hwang DK, Juanola X, Kaburaki T, Kadayifcilar S, Kempen J, Kezuka T, Kherani A, Kirsimäe M, Kotaniemi K, Kraut A, Kubicka-Trzaska A, Kuffova L, Lightman S, Lim L, Lim WK, McCluskey P, McGuire M, Mirabelli P, Miserocchi E, Misiuk-Hojto M, Muccioli C, Muñoz S, Murphy C, Murray P, Nagy Z, Namba K, Neri P, Nguyen Q, O'Gradaigh D, Omair M, Otsa K, Ozyazgan Y, Pablo F, Paroli MP, Pleyer U *Ophthalmology* 125(5):757-773 Published 1 May 2018

- [Outcomes of penetrating keratoplasty in congenital hereditary endothelial dystrophy](#)  
[Journal Article] Alarrayedh H, Collum L, Murphy CC *British Journal of Ophthalmology* 102(1):19-25
- [Alcohol delamination of the corneal epithelium for recurrent corneal erosion syndrome](#)  
[Journal Article] Ní Mhéalóid Á, Lukasik T, Power W, Murphy CC *International Journal of Ophthalmology* 11(7):1129-1131 Published 1 Jan 2018
- [Interleukin 12 and interleukin 23 play key pathogenic roles in inflammatory and proliferative pathways in giant cell arteritis](#)  
[Journal Article] Conway R, O'Neill L, McCarthy GM, Murphy CC, Fabre A, Kennedy S, Veale DJ, Wade SM, Fearon U, Molloy ES *Annals of the Rheumatic Diseases* 77(12):1815-1824 Published 1 Jan 2018
- [Interface fungal keratitis after Descemet stripping automated endothelial keratoplasty: A review of the literature with a focus on outcomes](#)  
[Journal Article] McElnea E, Power B, Murphy C *Cornea* 37(9):1204-1211 Published 1 Jan 2018
- [Fungal keratitis in the Republic of Ireland](#)  
[Journal Article] Farrell S, McElnea E, Moran S, Knowles S, Murphy CC *Eye (Basingstoke)* 31(10):1427-1434 Published 1 Oct 2017
- [The effect of anterior uveitis and previously undiagnosed spondyloarthritis: Results from the DUET cohort](#)  
[Journal Article] O'Rourke M, Haroon M, Alfarasy S, Ramasamy P, FitzGerald O, Murphy CC *Journal of Rheumatology* 44(9):1347-1354 Published 1 Sep 2017
- [Cold Plasma Technology and Reducing Surface Bacterial Counts: A Pilot Study](#)  
[Journal Article] Claro T, Fay R, Murphy C, O'Connor N, Daniels S, Humphreys H *Infection Control and Hospital Epidemiology* 38(4):494-496 Published 1 Apr 2017
- [Homozygous SLC4A11 mutation in a large Irish CHED2 pedigree](#)  
[Journal Article] Hand CK, McGuire M, Parfrey NA, Murphy CC *Ophthalmic Genetics* 38(2):148-151 Published 4 Mar 2017
- [Ustekinumab for the treatment of refractory giant cell arteritis](#)

[Journal Article] Conway R, O'Neill L, O'Flynn E, Gallagher P, McCarthy GM, Murphy CC, Veale DJ, Fearon U, Molloy ES Annals of the Rheumatic Diseases 75(8):1578-1579 Published 1 Aug 2016

- [Corneal inlay implantation complicated by infectious keratitis](#)

[Journal Article] Duignan ES, Farrell S, Treacy MP, Fulcher T, O'Brien P, Power W, Murphy CC British Journal of Ophthalmology 100(2):269-273 Published 1 Feb 2016

- [Histopathology of rheumatoid associated keratolysis](#)

[Journal Article] O'Rourke M, Fitzgerald O, Murphy C Int J Ophthal Pathol 2015 In Press

- [A pharmacokinetic review of antibiotics used in the treatment and prophylaxis of endophthalmitis.](#)

[Journal Article] Quill B, Murphy CC Book chapter in: Endophthalmitis. Published 1 Dec 2015

- [Anterior Uveitis in Spondyloarthropathy: The ophthalmologist's role in earlier recognition](#)

[Journal Article] O'Rourke M, Haroon M, Murphy CC, FitzGerald O Book chapter in Ankylosing spondylitis; symptoms; treatment and complications. Nova Publishers. 2013; ISBN: 978-1-62618-362-9 Published 1 Dec 2015

- [A novel evidence-based detection of undiagnosed spondyloarthritis in patients presenting with acute anterior uveitis: The DUET \(Dublin Uveitis Evaluation Tool\)](#)

[Journal Article] Haroon M, O'Rourke M, Ramasamy P, Murphy CC, FitzGerald O Annals of the Rheumatic Diseases 74(11):1990-1995 Published 1 Nov 2015

- [Regulation of inflammation and angiogenesis in giant cell arteritis by acute-phase serum amyloid A](#)

[Journal Article] O'Neill L, Rooney P, Molloy D, Connolly M, McCormick J, McCarthy G, Veale DJ, Murphy CC, Fearon U, Molloy E Arthritis and Rheumatology 67(9):2447-2456 Published 1 Sep 2015

- [Isolated ocular lichen planus in a child](#)

[Journal Article] Igras E, Kennedy S, Macdermott EJ, Murphy CC Journal of AAPOS 19(4):381-383 Published 1 Aug 2015

- [Impact of intracameral cefuroxime on the incidence of postoperative endophthalmitis following cataract surgery in Ireland](#)

[Journal Article] Rahman N, Murphy CC Irish Journal of Medical Science 184(2):395-398 Published 1 Jun 2015

- [Use of multiple immunosuppressive agents in recalcitrant ACANTHAMOEBA scleritis](#)

[Journal Article] Igras E, Murphy C BMJ Case Reports 2015 Published 15 Apr 2015

- [Isolation of microRNA from conjunctival impression cytology](#)

[Journal Article] Pilson Q, Jefferies CA, Gabhann JN, Murphy CC Experimental Eye Research 132:109-114 Published 1 Mar 2015

- [A pharmacokinetic review of antibiotics used in the treatment and prophylaxis of endophthalmitis](#)

[Chapter] Quill B, Murphy C Endophthalmitis Pg. 85-100 Published 1 Jan 2015

- [Comparative transcriptomic analysis of cultivated limbal epithelium and donor corneal tissue reveals altered wound healing gene expression.](#)

[Journal Article] Gallagher C, Clarke C, Aherne ST, Katikireddy KR, Doolan P, Lynch V, Shaw S, Bobart-Hone A, Murphy C, Clynes M, Power W, O'Sullivan F Investigative ophthalmology & visual science 55(9):5795-5805 Published 1 Jan 2014

- [Proteomics in uveal melanoma](#)

[Journal Article] Ramasamy P, Murphy CC, Clynes M, Horgan N, Moriarty P, Tiernan D, Beatty S, Kennedy S, Meleady P Experimental Eye Research 118:1-12 Published 1 Jan 2014

- ["Tarantula Keratitis" a case report](#)

[Journal Article] McAnena L, Murphy C, O'Connor J Irish Journal of Medical Science 182(3):349-350 Published 1 Sep 2013

- [Anterior uveitis in spondyloarthropathy: The ophthalmologist's role in earlier recognition](#)

[Chapter] O'Rourke M, Haroon M, Murphy CC, FitzGerald O Ankylosing Spondylitis: Symptoms, Treatment and Potential Complications Pg. 53-66 Published 1 Jun 2013

- [Rheumatoid arthritis-associated corneal ulceration: Mortality and graft survival](#)

[Journal Article] Stylianides A, Jones MNA, Stewart RMK, Murphy CC, Goodson NJ, Kaye SB Ophthalmology 120(4):682-686 Published 1 Apr 2013

- [A method for the prescription of inexpensive spectacles by non-specialist healthcare workers: S-Glasses](#)

[Journal Article] Treacy MP, Treacy MG, Dimitrov BD, Seager FE, Stamp MA, Murphy CC Eye (Basingstoke) 27(4):474-479 Published 1 Jan 2013

- [Clinical image: keratitis in reactive arthritis.](#)

[Journal Article] Collins NE, Fitzgerald O, Murphy CC Arthritis and rheumatism 63(8):2522 Published 1 Aug 2011

- [Minimum inhibitory concentrations of standard and novel antimicrobials for isolates from bacterial keratitis](#)

[Journal Article] Sueke H, Kaye S, Neal T, Murphy C, Hall A, Whittaker D, Tuft S, Parry C Investigative Ophthalmology and Visual Science 51(5):2519-2524 Published 1 May 2010

- [Update on immunosuppressive therapy for corneal transplantation](#)

[Journal Article] O'Doherty M, Murphy CC International Ophthalmology Clinics 50(3):113-122 Published 1 Jan 2010

- [Retinal Microglia and Uveal Tract Dendritic Cells and Macrophages Are Not CX3CR1 Dependent in Their Recruitment and Distribution in the Young Mouse Eye](#)

[Journal Article] Kezic J, Xu H, Chinnery HR, Murphy CC, McMenemy PG Investigative Ophthalmology and Visual Science 49(4):1599-1608 Published 1 Apr 2008

- [Late-onset pediatric glaucoma associated with cutis marmorata telangiectatica congenita managed with Molteno implant surgery: Case report and review of the literature](#)

[Journal Article] Murphy CC, Khong CH, Ward WJ, Morgan WH Journal of AAPOS 11(5):519-521 Published 1 Oct 2007

- [Pharmacokinetics of vancomycin following intracameral bolus injection in patients undergoing phacoemulsification cataract surgery](#)

[Journal Article] Murphy CC, Nicholson S, Quah SA, Batterbury M, Neal T, Kaye SB British Journal of Ophthalmology 91(10):1350-1353 Published 1 Oct 2007

- [Validity of using vision-related quality of life as a treatment end point in intermediate and posterior uveitis](#)

[Journal Article] Murphy CC, Greiner K, Plskova J, Frost NA, Forrester JV, Dick AD British Journal of Ophthalmology 91(2):154-156 Published 1 Feb 2007

- [Terrien marginal degeneration presenting with spontaneous corneal perforation](#)

[Journal Article] Srinivasan S, Murphy CC, Fisher AC, Freeman LB, Kaye SB Cornea 25(8):977-980 Published 1 Nov 2006

- [Quality of life and visual function in patients with intermediate uveitis](#)

[Journal Article] Murphy CC, Hughes EH, Frost NA, Dick A British Journal of Ophthalmology 89(9):1161-1165 Published 1 Sep 2005

- [Cyclosporine vs tacrolimus therapy for posterior and intermediate uveitis](#)

[Journal Article] Murphy CC, Greiner K, Plskova J, Duncan L, Frost NA, Forrester JV, Dick AD Archives of Ophthalmology 123(5):634-641 Published 1 May 2005

- [Minocycline delays photoreceptor death in the rds mouse through a microglia-independent mechanism](#)

[Journal Article] Hughes EH, Schlichtenbrede FC, Murphy CC, Broderick C, Van Rooijen N, Ali RR, Dick AD Experimental Eye Research 78(6):1077-1084 Published 1 Jun 2004

- [Neutralizing tumor necrosis factor activity leads to remission in patients with refractory noninfectious posterior uveitis](#)

[Journal Article] Murphy CC, Greiner K, Plskova J, Duncan L, Frost A, Isaacs JD, Rebello P, Waldmann H, Hale G, Forrester JV, Dick AD Archives of Ophthalmology 122(6):845-851 Published 1 Jun 2004

- [Systemic CD4<sup>±</sup> T cell phenotype and activation status in intermediate uveitis](#)

[Journal Article] Murphy CC, Duncan L, Forrester JV, Dick AD British Journal of Ophthalmology 88(3):412-416 Published 1 Mar 2004

- [Tumor necrosis factor  \$\alpha\$  blockade with infliximab for refractory uveitis and scleritis](#)

[Journal Article] Murphy CC, Ayliffe WH, Booth A, Mankanjuola D, Andrews PA, Jayne D Ophthalmology 111(2):352-356 Published 1 Jan 2004

- [Casebook: Sudden painless loss of vision](#)

[Conference] Hughes EH, Murphy CC Pg. 24-32

- [Anti-TNF \$\alpha\$  Therapy Modulates the Phenotype of Peripheral Blood CD4<sup>±</sup> T Cells in Patients with Posterior Segment Intraocular Inflammation](#)

[Journal Article] Greiner K, Murphy CC, Willermain F, Duncan L, Plskova J, Hale G, Isaacs JD, Forrester JV, Dick AD Investigative Ophthalmology and Visual Science 45(1):170-176 Published 1 Jan 2004

- [A two centre study of the dose-response relation for transscleral diode laser cyclophotocoagulation in refractory glaucoma](#)

[Journal Article] Murphy CC, Burnett CAM, Spry PGD, Broadway DC, Diamond JP British Journal of Ophthalmology 87(10):1252-1257 Published 1 Oct 2003

- [Generation of activated sialoadhesin-positive microglia during retinal degeneration](#)

[Journal Article] Hughes EH, Schlichtenbrede FC, Murphy CC, Sarra GM, Luthert PJ, Ali RR, Dick AD Investigative Ophthalmology and Visual Science 44(5):2229-2234 Published 1 May 2003

- [Casebook: Flashes and floaters](#)

[Conference] Murphy C, Hughes E Pg. 483-486 Published 1 Jul 2002