

The impact of COVID-19 pandemic on adult and Pediatric allergy & immunology Services in the UK National Health Service

Mamidipudi Thirumala Krishna
Immunologist, UK National Health Service, UK

Abstract (600 word limit)

The coronavirus disease (COVID) 2019 (COVID-19) pandemic has presented unique and unprecedented challenges to health service delivery globally. Health services have had to rapidly implement measures to reduce virus transmission rates, which has involved risk stratification and service prioritization to focus on emergency care and where feasible, cancer care—the aim being to reduce patient volumes in clinical areas and limit potential exposure for patients, their caregivers, and health care professionals. Allergic disorders such as allergic rhinitis, asthma, and food allergy are among the most common non communicable diseases worldwide, and the United Kingdom has one of the highest prevalence rates in the world. Health service delivery for these conditions is primarily outpatient-based. There is a huge unmet demand for allergy services globally, and specifically there is inadequate and uneven distribution of specialist allergy services across the United Kingdom. The National Health Service (NHS) in the United Kingdom offers specialist Allergy and Immunology (A&I) services for children and adults in secondary care, with some heterogeneity with respect to the professional background and training of clinicians involved in service delivery, and the repertoire of services within each center. Adult allergy services are delivered by specialists in allergy and/or clinical immunology, and organbased specialists such as respiratory physicians. Pediatric allergy services are delivered by pediatric allergists and general pediatricians with an interest in allergy. Some services provide only allergy or immunology services, and others offer joint services including A&I within adult or pediatric departments. Several

recent publications have described the restrictions imposed by COVID-19 alongside prioritization and newer models of care in A&I and other medical and surgical specialties. Specifically, the British Society for Allergy and Clinical Immunology (BSACI), the European Academy of Allergy and Clinical Immunology, and the American Academy of Allergy, Asthma & Immunology issued expert/consensus guidance regarding safe and strategic delivery of specialist A&I services during the pandemic.

**5th International
Conference on
Skin Care,
Dermatology and
Allergic Diseases
July 28-29, 2022
London, UK**

Importance of Research (200 Words)

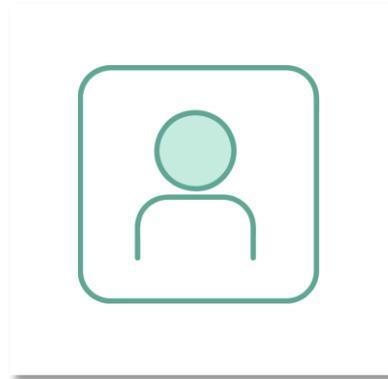
All accepted papers for the 13th ICUD, for both oral and poster presentations will be distributed to the participants during the conference. Selected papers will be peer reviewed for publication in IWA Publishing's journals: Water Science and Technology; Water Science and Technology; Water Supply; or Water Practice and Technology. There is also a

possibility to publish in the Urban Water Journal for selected papers. These instructions have been prepared in the format that should be used for the final manuscripts and are designed to help you, the author, provide manuscripts that will translate well into a standard format. The instructions are partly based on similar instructions issued by the 12th ICUD (Nascimento et al., 2011), 11th ICUD (Arthur et al., 2008), 10th ICUD (Mikkelsen et al., 2005), International Water Association (IWA, 2002) and the American Society of Civil Engineers (Dickerts and McNaughton, 2000).

There is also a possibility to publish in the Urban Water Journal for selected papers.

Biography (200 words)

Deanna Mulvihill has her expertise in evaluation and passion in improving the health and wellbeing. Her open and contextual evaluation model based on responsive constructivists creates new pathways for improving healthcare. She has built this model after years of experience in research, evaluation, teaching and administration both in hospital and education institutions. The foundation is based on fourth generation evaluation (Guba & Lincoln, 1989) which is a methodology that utilizes the previous generations of evaluation: measurement, description and judgment. It allows for value-pluralism. This approach is responsive to all stakeholders and has a different way of focusing.



Information of Institution and laboratory (200 words)



The University of Birmingham (informally Birmingham University)[8][9] is a public research university located in Edgbaston, Birmingham, United Kingdom. It received its royal charter in 1900 as a successor to Queen's College, Birmingham (founded in 1825 as the Birmingham School of Medicine and Surgery), and Mason Science College (established in 1875 by Sir Josiah Mason), making it the first English civic or 'red brick' university to receive its own royal charter.[2][10] It is a founding member of both the Russell Group of British research universities and the international network of research universities, Universitas 21.

Reference (15-20)

1. [Worldwide variation in prevalence of symptoms of asthma, allergic rhinoconjunctivitis, and atopic eczema: ISAAC. The International Study of Asthma and Allergies in Childhood \(ISAAC\) Steering Committee. Lancet 1998;351:1225-32.](#)

2. The Royal College of Physicians. Allergy: The Unmet Need. London, UK: The Royal College of Physicians; 2003.

3. Warner JO, Kaliner MA, Crisci CD, Del Giacco S, Frew AJ, Liu GH, et al. Allergy practice worldwide: a report by the World Allergy Organization Specialty and Training Council. *Int Arch Allergy Immunol* 2006;139:166-74.

4. House of Commons Health Committee. The Provision of Allergy Services. Sixth Report of Session 2003e04. Volume I. HC696el. London: Stationery Office; 2004.

5. Efthimiou I. Urological services in the era of COVID-19. *Urol J* 2020;17:534-5.

6. Gonzalez HA, Myers S, Whitehead E, Pattinson A, Stamp K, Turnbull J, et al. React, reset and restore: adaptation of a large inflammatory bowel disease service during COVID-19 pandemic. *Clin Med (Lond)* 2020;20:e183-8.

7. Malipiero G, Heffler E, Pelaia C, Puggioni F, Racca F, Ferri S, et al. Allergy clinics in times of the SARS-CoV-2 pandemic: an integrated model. *Clin Transl Allergy* 2020;10:23.

8. [Mehanna H, Hardman JC, Shenson JA, Abou-Foul AK, Topf MC, AlFalasi M, et al. Recommendations for head and neck surgical oncology practice in a setting of acute severe resource constraint during the COVID-19 pandemic: an international consensus. Lancet Oncol 2020;21:e350-9.](#)

9. Mack DP, Chan ES, Shaker M, Abrams EM, Wang J, Fleischer DM, et al. Novel approaches to food allergy management during COVID-19 inspire long-term change. *J Allergy Clin Immunol Pract* 2020;8:2851-7.