

Special Issue

Progress in Diagnosing and Managing Primary Ciliary Dyskinesia: 2nd Edition

Message from the Guest Editor

Primary ciliary dyskinesia (PCD) is an inherited autosomal-recessive disorder of motile cilia that can result in severe multisystem. An early and accurate diagnosis of PCD is vital to implement appropriate treatment aimed at preventing lung damage in childhood and preserving lung function. Confirmation of a diagnosis of PCD relies on a combination of tests, including measurement of nasal nitric oxide as well as acquiring cells by nasal brushings for examination of cilia motility using high-speed video microscopy, immunofluorescence microscopy, transmission electron microscopy, and genotyping. To date, there are >50 known PCD genes that have been identified, which reflects the complexity of the disease and challenges to reach a diagnosis. Research to advance the current testing methodology including greater genetic and phenotypic knowledge and introduction of new technologies has the potential to improve the accuracy and turnaround time of diagnosis and to enhance the management of PCD patients. In this Special Issue, we are looking for original papers and reviews on the progress of diagnosing and managing PCD patients.

Guest Editor

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