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Serum mitochondrial DNA predicts the risk of acute exacerbation and progression of idiopathic pulmonary fibrosis

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Patients with IPF often suffer from acute exacerbation, an unpredictable and deadly complication. This study elucidated the potential of circulating mitochondrial DNA as a predictor of acute exacerbation and disease progression of IPF. <https://bit.ly/3i0OSza>

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To the Editor:

Idiopathic pulmonary fibrosis (IPF) is a progressive, fatal interstitial lung disease with a median survival of 3–5 years [1]. Its disease course is highly variable, as some patients experience rapid deterioration in lung function while others experience more gradual decline [2]. The development of acute exacerbation of IPF (AE-IPF), a highly lethal complication of unknown aetiology, has been shown to accelerate disease progression [3]. Presently, there are no accepted biomarkers that predict clinical deterioration [4], thus indicating an important, unmet need in the management of this devastating disease.