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Supplementary material

CT scanning protocol

Chronic HP patients underwent CT scanning on a Brilliance 16P scanner (Philips Medical Systems, Andover, MA) at suspended full-expiration and suspended full-inspiration after standardized breathing instructions, using a weight-based CT technique for dose minimization [39]. Subjects were instructed on the importance of breath-holding and immobility during scanning and on attaining reproducible maximum inspiratory and expiratory breath-holds. CT acquisition parameters for chronic HP patients are reported in **Table E1.** CT images were reconstructed with a smooth reconstruction filter (B filter).

Table E1 - CT imaging parameters in chronic HP patients.

	Patients <=80Kg		**Patients >80Kg**	
	Full-insp	**Full-exp**	**Full-insp**	**Full-exp**
Tube voltage (kVp)	120	90	140	120
Tube current (mAs)	30	20	30	20
Matrix	512x512	512x512	512x512	512x512
Slice thickness (mm)	1.0	1.0	1.0	1.0