

CONTENTS

1	General introduction and thesis outline	7
	Part I – Physiology of right ventricular function & adaptation in pulmonary arterial hypertension	
	<hr/>	
2	Function of the Right Ventricle <i>Book: The Right Heart, Chapter 2, Springer 2014</i>	21
3	Accurate assessment of load-independent right ventricular systolic function in patients with pulmonary arterial hypertension <i>J Heart Lung Transplant 2013; 32: 50-55</i>	37
4	Right ventricular-arterial coupling in patients with pulmonary arterial hypertension <i>Submitted</i>	51
5	Clinical relevance of right ventricular diastolic stiffness in pulmonary hypertension <i>Eur Respir J – in press</i>	73
	Part II – Pulmonary diffusion capacity in patients with pulmonary arterial hypertension	
	<hr/>	
6	Severely reduced diffusion capacity in idiopathic pulmonary arterial hypertension – patient characteristics and treatment responses <i>Eur Respir J 2013; 42: 1575-85</i>	95
7	Diffusion capacity and <i>BMP2</i> mutations in pulmonary arterial Hypertension <i>Eur Respir J 2014; 43: 1195-8</i>	115
8	Conclusions and future directions	123
9	Nederlandse samenvatting	135
	List of publications	143
	Curriculum Vitae	148
	Dankwoord	153