

# Contents

<b>Chapter 1</b>	General introduction	9
<b>Chapter 2</b>	Self-reported knee instability and activity limitations in patients with knee osteoarthritis: results from the Amsterdam Osteoarthritis cohort <i>Clinical Rheumatology 2012;31(10):1505-1510</i>	23
<b>Chapter 3</b>	Association of lower muscle strength with self-reported knee instability in osteoarthritis of the knee: results from the Amsterdam Osteoarthritis cohort <i>Arthritis Care &amp; Research (Hoboken) 2012;64(1):38-45</i>	35
<b>Chapter 4</b>	Proprioception in knee osteoarthritis: a narrative review <i>Osteoarthritis and Cartilage 2011;19(4):381-388</i>	51
<b>Chapter 5</b>	The association between reduced knee joint proprioception and medial meniscal abnormalities: results from the Amsterdam Osteoarthritis cohort <i>Osteoarthritis and Cartilage 2013;21(5):676-681</i>	71
<b>Chapter 6</b>	Biomechanical factors and physical examination findings in osteoarthritis of the knee: associations with tissue abnormalities assessed by conventional radiography and high-resolution 3 T magnetic resonance imaging <i>Arthritis Research &amp; Therapy 2012;14(5):R212</i>	85
<b>Chapter 7</b>	Knee joint stabilization therapy in patients with osteoarthritis of the knee: a randomized, controlled trial <i>Osteoarthritis and Cartilage 2013;21(8):1025-34</i>	103
<b>Chapter 8</b>	Knee joint stabilization therapy in patients with osteoarthritis of the knee and knee joint instability: subgroup-analyses in a randomized, controlled trial <i>Journal of Rehabilitation Medicine (accepted for publication)</i>	127
<b>Chapter 9</b>	Neuromuscular mechanisms of exercise therapy in knee osteoarthritis <i>Submitted for publication</i>	139

<b>Chapter 10</b>	Is the severity of knee osteoarthritis on magnetic resonance imaging associated with outcome of exercise therapy? <i>Arthritis Care &amp; Research (Hoboken) 2014;66(1):63-8</i>	153
<b>Chapter 11</b>	Identification of phenotypes with different clinical outcomes in knee Osteoarthritis: data from the Osteoarthritis Initiative <i>Arthritis Care &amp; Research (Hoboken) 2011;63(11):1535-1542</i>	165
<b>Chapter 12</b>	General discussion	183
<b>Summary</b>		201
<b>Samenvatting</b>		205
<b>Dankwoord</b>		211
<b>About the author</b>		215
<b>List of publications</b>		217
<b>PhD portfolio</b>		221