Chapter 1  Introduction

Chapter 2  Evaluation of the introduction of the national Down syndrome screening program in the Netherlands: age related uptake of prenatal screening and invasive diagnostic testing.
Accepted in Eur J Obs Gyn. 2013.

Chapter 3  Performance of first-trimester combined test for Down syndrome in different maternal age groups: reason for adjustments in screening policy?

Chapter 4  First-trimester serum marker distribution in singleton pregnancies conceived with assisted reproduction.

Chapter 5  Validation of correction factors for serum markers for first-trimester Down syndrome screening in singleton pregnancies conceived with assisted reproduction.
Accepted in Fet Diagn Ther 2013.

Chapter 6  First-trimester screening for Down syndrome with serum sampling at different gestational ages: the effect on screening performance.
Submitted.

Chapter 7  Age independent first-trimester screening for Down syndrome: improvement in test performance.

Chapter 8  General discussion and perspectives

Chapter 9  Summary / Samenvatting