Amiodarone and thyroid hormone receptors

van Beeren, H.C.

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Introduction

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- 1.1.B. Side Effects
- 1.1.C. Effect on the thyroid

1.2. Thyroid hormone receptors

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- 1.2.B. TR gene structure
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1.3. Interactions of amiodarone and thyroid hormone receptors

- 1.3.A. Hypothyroid-like effects of amiodarone
- 1.3.B. Scope of the thesis

References

## Chapter 2

Desethylamiodarone is a noncompetitive inhibitor of the binding of thyroid hormone to the TRβ1 protein

H.C. van Beeren*, O. Bakker and W.M. Wiersinga

*Endocrinology 1994; Vol. 134: 1665-1670

## Chapter 3

Desethylamiodarone is a competitive inhibitor of the binding of thyroid hormone to the TRα1 protein

H.C. van Beeren, O. Bakker and W.M. Wiersinga

Molecular and Cellular Endocrinology 1995; 112: 15-19

## Chapter 4

Structure-function relationship of the inhibition of the 3, 5, 3'-triiodothyronine binding to the TRα1 and TRβ1 by amiodarone analogues

H.C. van Beeren*, O. Bakker and W.M. Wiersinga

*Endocrinology 1996; Vol. 137: 2807-2814

## Chapter 5

Effect of mutations in the TRβ1 on the inhibition of T3 binding by desethylamiodarone

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Chapter 6

Interaction between nuclear hormone receptors and co-activators analysed using a nonradioactive “pull-down” assay
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Chapter 7

Desethylamiodaron interfering with the binding of co-activator GRIP-1 to the β1-thyroid hormone receptor
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Chapter 8

Dronedarone acts as a selective inhibitor of 3,5,3’-triiodothyronine binding to TRα1: in vitro and in vivo evidence
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*Endocrinology* 2003; Vol. 144: 552-558

Chapter 9

General discussion

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References

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Samenvatting

Dankwoord

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