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## **Differentiated thyroid carcinoma : diagnostic and therapeutic studies**

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# Epilogue

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Ying-ying Liu

Leiden, October 2006

## LIST OF PUBLICATIONS

1. Y.Y. Liu, G. van der Pluijm, M. Karperien, M.P.M. Stokkel, A.M. Pereira, J. Morreau, J. Kievit, J.A. Romijn, J.W.A. Smit. Lithium as adjuvant to radioiodine therapy in differentiated thyroid carcinoma: clinical and in vitro studies. *Clin Endocrinol (Oxf)*. 2006 Jun;64(6):617-24
2. Liu YY, Stokkel MP, Pereira AM, Corssmit EP, Morreau HA, Romijn JA, Smit JW. Bexarotene increases uptake of radioiodide in metastases of differentiated thyroid carcinoma. *Eur J Endocrinol*. 2006 Apr;154(4):525-31.
3. Ying Y. Liu, C. Dragoiescu, Marcel P. Stokkel, Alberto M. Pereira, Hans A. Morreau, Johannes W.A. Smit, Johannes A. Romijn. Radioiodine Therapy after Pre-treatment with Bexarotene for Metastases of Differentiated Thyroid Carcinoma. 2006 Submitted
4. Y. Liu, H. Morreau, J. Kievit, J.A. Romijn, J.W.A. Smit. Combined Immunostaining with Galectin-3, Fibronectin-1, CITED-1, HBME-1, Cytokeratin-19, PPAR-gamma and NIS Antibodies for the Differential Diagnosis of Thyroid Follicular Neoplasms. Submitted
5. Karen A. Heemstra, Ying-Ying Liu, Eleonora Corssmit, Alberto M. Pereira, Job Kievit, Johannes A. Romijn, Johannes W.A. Smit. Serum Thyroglobulin Concentrations Predict Disease-free Remission and Death in Differentiated Thyroid Carcinoma *Clin Endocrinol (Oxf)*. in press, 2006
6. Liu YY, Morreau HA, M. Karperien, van der Pluijm, Romijn JA, Smit JW. Expression of retinoid receptor decreases in thyroid carcinoma and lack of retinoid X receptor beta isoform involves in thyroid carcinoma recurrence. Manuscript, 2006
7. YY.Liu, JM Xiang, JK Zhao, YQYan, ZP Chen Iodine effects on the thyroid autoimmunoreaction of clinical subjects on different iodide intake. *Chinese J Endemiology* 2001
8. YY.Liu, JK Zhao, JM Xiang, YQYan, ZP Chen. Changes of pituitary and thyroid function in people on different iodine diet. *Chinese J Control Endemic Disease* 2001,26: 430
9. YY. Liu. Study on antioxidative unbalance and structural damage in iodine deficiency rats. *Endo. J.* 2000; 47(suppl.): 246
10. YY. Liu. The damage role of free radical in iodine deficiency disorder children. *Endo. J.* 2000; 47(suppl.): 246

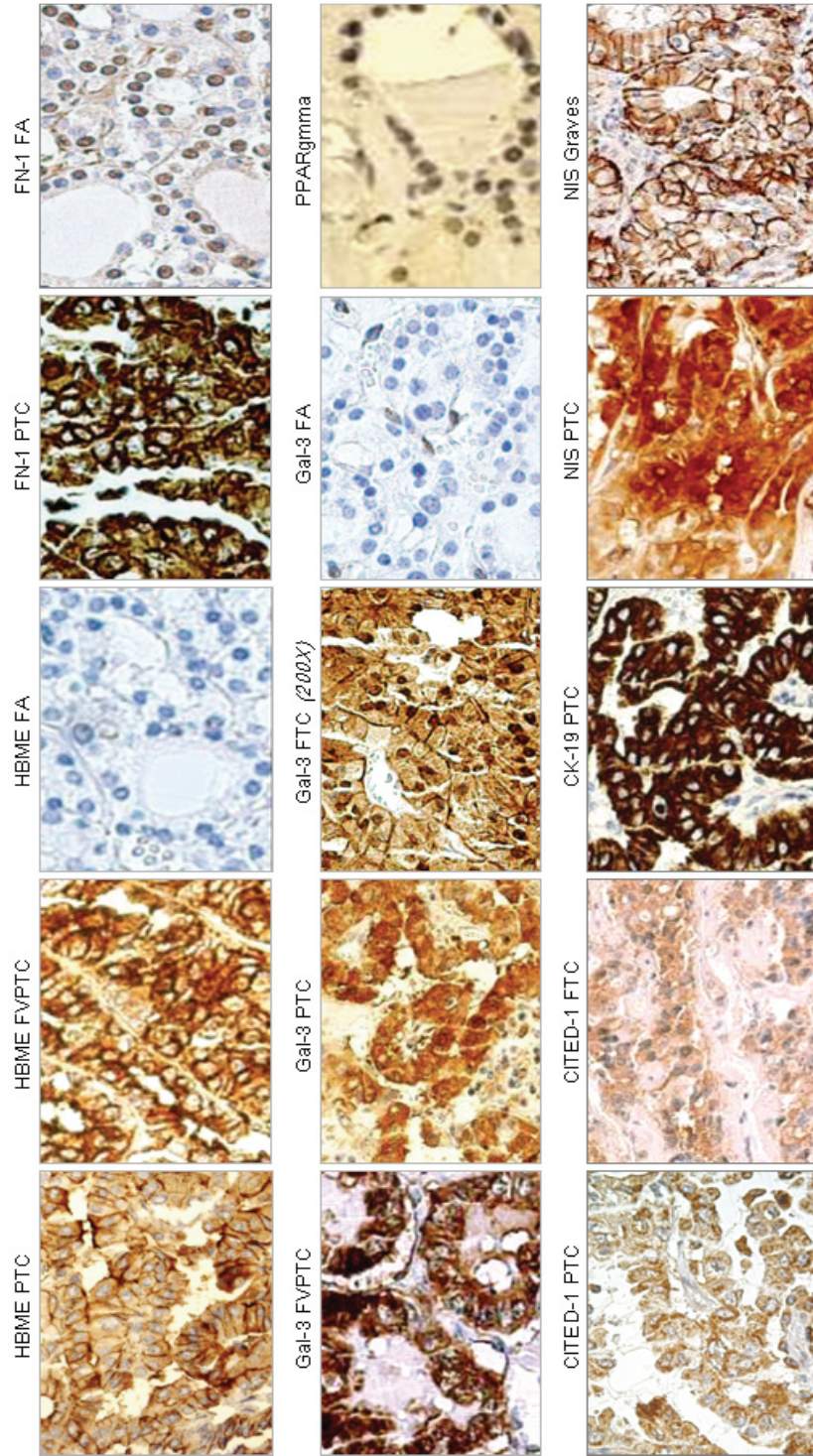
11. YY. Liu YQ.Yan and ZP.chen. Dynamic observation and stereological research on thyroid epithelial cell of the rats on different iodide diet. Chinese J Stereology Image Analysis 1999; 4(4): 230-233
12. YY.Liu,ZP.Chen and JM.Xiang. Experimental study on cellular antioxidation in iodine deficiency rats. Chinese J Endemiology 1997; 16(4): 221-224
13. M.Qian D.Ke YY. Liu et al. Mental development injury on the children living in iodine deficient area. Chinese J Endemiology 1997; 16(1): 15-17
14. JM.Xiang YY. Liu and ZP.Chen. The vital effect on the brain of iodine deficient rats. In collection for the third endemic disease workshop. Chinese J Endemiology 1996; 4: 96-99
15. JM.Xiang YY. Liu and ZP.Chen. Activity change of antioxidase in the brain of iodine deficient rats. Endemic Disease Bulletin 1996; 11(3): 19-21
16. M.Qian ZP.Chen YY. Liu et al. The role of iodine deficiency on the mental development of infant aged 0 to 2 years old. Chinese J Control Endemic Disease 1996; 10(supl):15-16
17. YY. Liu, ZP.Chen, XD.Ke et al. Clinical study on the thyroid impairment by free radical in iodine deficiency children. Chinese J Control Endemic Disease 1995; 10(supl):4
18. YY. Liu ZP. Chen and DX. Lu. Assay on the capacity of thyroid antioxidation in IDD animal models. In collection for the fifth national IDD work shop Chinese J Endemiology 1995, 10 :104-107
19. JM.Xiang YY. Liu and ZP.Chen. The analysis of antioxidation references the brain of iodine deficient rats. Chinese J Control Endemic Disease 1995; 10(supl): 85-87

## **CURRICULUM VITAE**

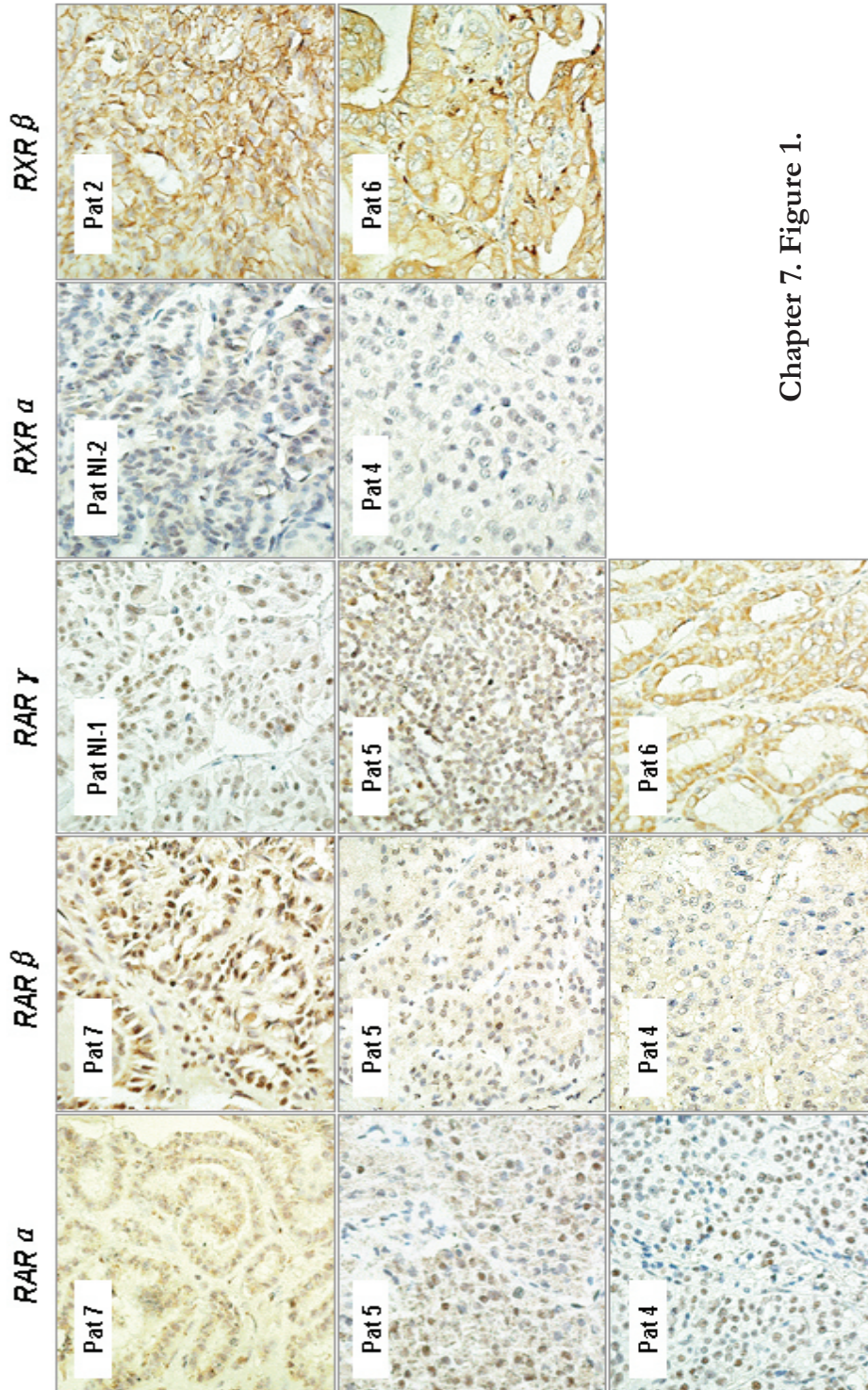
Ying-ying Liu, born in Tianjin of China on 4 March 1969, graduated from Hebei Medical University in 1992 followed by a five year doctoral research in Tianjin Medical University. Granted with medical science of doctoral degree, Dr. Liu worked in the Endocrinology and Metabolism Department in the First Academic Hospital of Tianjin medical University as a physician since 1998. She was initiator of two projects supported by the National Natural Science foundation of China and Outstanding Chinese lecturer foundation of the Ministry of Education of the People's Republic of China respectively. Involved in a cooperative project sponsored by Koninklijke Nederlandse Akademie van Wetenschappen KNAW (Royal Netherlands Academy of Arts and Sciences), Dr Liu worked in the Immunology Department of Erasmus University Medical Center, the Netherlands in 2001. Enrolled in PhD program, Dr. Liu started her PhD studying in Endocrinology and Metabolism Department of Leiden University Medical Center of the Netherlands since 2002 up till now and will contribute rest of her life to find solutions against diseases.

# Color Images





Chapter 2. Figure 1.



Chapter 7. Figure 1.