

PUBLICATIONS - Anders Höög

Original publications

- Höög A**, Gould VE, Grimelius L, Franke WW, Falkmer S, Chejfec G. Tissue fixation methods alter the immunohistochemical demonstrability of synaptophysin. *Ultrastruct Pathol.* 1988;12:673-678.
- Nässel DR, Lundquist T, **Höög A**, Grimelius L. Substance P-like immunoreactive neurons in the nervous system of Drosophila. *Brain Res.* 1990;507:225-233.
- Algvere PV, Hallnäs K, Dafgård E, **Höög A**. Panretinal photocoagulation aggravates experimental proliferative vitreoretinopathy. *Graefes Arch Clin Exp Ophthalmol.* 1990;228:461-466.
- Reinecke M, **Höög A**, Östenson CG, Efendic S, Grimelius L, Falkmer S. Phylogenetic aspects of pancreastatin- and chromogranin-like immunoreactive cells in the gastro-entero-pancreatic neuroendocrine system of vertebrates. *Gen Comp Endocrinol.* 1991;83:167-182.
- Martin EM, Gould VE, **Höög A**, Rosen ST, Radosevich JA, Deftos LJ. Parathyroid hormone-related protein, chromogranin A, and calcitonin gene products in the neuroendocrine skin carcinoma cell lines MKL1 and MKL2. *Bone Miner.* 1991;14:113-120.
- Kalina M, Lukinius A, Grimelius L, **Höög A**, Falkmer S. Ultrastructural localization of synaptophysin to the secretory granules of normal glucagon and insulin cells in human islets of Langerhans. *Ultrastruct Pathol.* 1991;15:215-219.
- Jovanovic R, Hacker GW, Falkmer UG, Falkmer S, Mendel L, Graf AH, **Höög A**, Kanjuh V, Silfverswärd C, Grimelius L. Paragangliomas: neuroendocrine features and cytometric DNA distribution patterns. A clinico-pathological study of 22 cases. *Virchows Arch.* 1991;419:455-461.
- Höög A**, Sandberg E, Efendic S, Östenson C-G, Grimelius L, Falkmer S. Porcine diazepam-binding inhibitor is immunohistochemically colocalized with somatostatin in the D cells of human and porcine gastrointestinal tract and in pancreatic islet cells. *Endocrine Pathology* 1991;2:161-168.
- Pasieka JL, Zedenius J, Auer G, Grimelius L, **Höög A**, Lundell G, Wallin G, Bäckdahl M. Addition of nuclear DNA content to the AMES risk-group classification for papillary thyroid cancer. *Surgery.* 1992;112:1154-1159.
- Uribe A, Kapraali M, Grimelius L, **Höög A**. Trophic doses of E2 prostaglandins do not influence the exocrine and endocrine pancreas in the presence of high levels of plasma somatostatin. *Scand J Gastroenterol.* 1992;27:33-38.
- Höög A**, Grimelius L, Falkmer S, Sara VR. A high-molecular IGF-2 immunoreactive peptide (pro-IGF-2?) in the insulin cells of the islets of Langerhans in pancreas of man and rat. *Regul Pept.* 1993;47:275-283.

- Jiang MH, **Höög A**, Ma KC, Nie XJ, Olsson Y, Zhang WW. Endothelin-1-like immunoreactivity is expressed in human reactive astrocytes. *Neuroreport*. 1993;4:935-937.
- Adem A, Ekblom J, Gillberg PG, Jossan SS, **Höög A**, Winblad B, Aquilonius SM, Wang LH, Sara V. Insulin-like growth factor-1 receptors in human spinal cord: changes in amyotrophic lateral sclerosis. *J Neural Transm Gen Sect*. 1994;97:73-84.
- Li Q, Grimelius L, Gröndal S, **Höög A**, Johansson H. Immunohistochemical localization of endothelin-1 in non-neoplastic and neoplastic adrenal gland tissue. *Virchows Arch*. 1994;425:259-264.
- Ma KC, Nie XJ, **Höög A**, Olsson Y, Zhang WW. Reactive astrocytes in viral infections of the human brain express endothelin-like immunoreactivity. *J Neurol Sci*. 1994;126:184-192.
- Bugalho MJ, Roque L, Sobrinho LG, **Höög A**, Nunes JF, Almeida JM, Leitao CN, Santos JR, Pereira MC, Santos MA, Soares J. Calcitonin-producing insulinoma: clinical, immunocytochemical and cytogenetical study. *Clin Endocrinol (Oxf)*. 1994;41:257-260.
- Fried G, Wikström LM, **Höög A**, Arver S, Cedermark B, Hamberger B, Grimelius L, Meister B. Multiple neuropeptide immunoreactivities in a renin-producing human paraganglioma. *Cancer*. 1994;74:142-151.
- Chen ZW, Bergman T, Östenson CG, **Höög A**, Näslund J, Norberg A, Carlquist M, Efendic S, Mutt V, Jörnvall H. A porcine gut polypeptide identical to the pancreatic hormone PP (pancreatic polypeptide). *FEBS Lett*. 1994;341:239-243.
- Zhang WW, Badonic T, **Höög A**, Jiang MH, Ma KC, Nie XJ, Olsson Y. Astrocytes in Alzheimer's disease express immunoreactivity to the vaso-constrictor endothelin-1. *J Neurol Sci*. 1994;122:90-96.
- Friedman E, Adams EF, **Höög A**, Gejman PV, Carson E, Larsson C, De Marco L, Werner S, Fahlbusch R, Nordenskjöld M. Normal structural dopamine type 2 receptor gene in prolactin-secreting and other pituitary tumors. *J Clin Endocrinol Metab*. 1994;78:568-574.
- Nie XJ, **Höög A**, Jiang MH, Ma KC, Olsson Y, Zhang WW. Endothelin-like immunoreactivity is expressed in reactive astrocytes in cases of cerebral infarcts and lacunes. *European Journal of Neurology*, 1994;1:135-140.
- Li Q, Grimelius L, Zhang X, Lukinius A, Gröndal S, **Höög A**, Johansson H. Ultrastructural localization of endothelin-1 in nonneoplastic, hyperplastic, and neoplastic adrenal gland. *Ultrastruct Pathol*. 1995;19:489-494.
- Zedenius J, Wallin G, Svensson A, Grimelius L, **Höög A**, Lundell G, Bäckdahl M, Larsson C. Allelotyping of follicular thyroid tumors. *Hum Genet*. 1995;96:27-32.
- Platz A, Ringborg U, Grafström E, **Höög A**, Lagerlöf B. Immunohistochemical analysis of the N-ras p21 and the p53 proteins in naevi, primary tumours and metastases of human cutaneous malignant melanoma: increased immunopositivity in hereditary melanoma. *Melanoma Res*. 1995;5:101-106.

- Conlon JM, **Höög A**, Grimelius L. Intracellular degradation of the C-peptide of proinsulin, in a human insulinoma: identification of sites of cleavage and evidence for a role for cathepsin B. *Pancreas*. 1995;10:167-172.
- Guenifi A, Abdel-Halim SM, **Höög A**, Falkmer S, Östenson CG. Preserved beta-cell density in the endocrine pancreas of young, spontaneously diabetic Goto-Kakizaki (GK) rats. *Pancreas*. 1995;10:148-153.
- Höög A**, Sandberg-Nordqvist AC, Abdel-Halim SM, Carlsson-Skwirut C, Guenifi A, Tally M, Östenson CG, Falkmer S, Sara VR, Efendic S, Schalling M, Grimelius L. Increased amounts of a high molecular weight insulin-like growth factor II (IGF-II) peptide and IGF-II messenger ribonucleic acid in pancreatic islets of diabetic Goto-Kakizaki rats. *Endocrinology*. 1996;137:2415-2423.
- Kjellman M, Kallioniemi OP, Karhu R, **Höög A**, Farnebo LO, Auer G, Larsson C, Bäckdahl M. Genetic aberrations in adrenocortical tumors detected using comparative genomic hybridization correlate with tumor size and malignancy. *Cancer Res*. 1996;56:4219-4223.
- Carlberg M, Dricu A, Blegen H, Wang M, Hjertman M, Zickert P, **Höög A**, Larsson O. Mevalonic acid is limiting for N-linked glycosylation and translocation of the insulin-like growth factor-1 receptor to the cell surface. Evidence for a new link between 3-hydroxy-3-methylglutaryl-coenzyme a reductase and cell growth. *J Biol Chem*. 1996;271:17453-17462.
- Zedenius J, Wallin G, Svensson A, Bovee J, **Höög A**, Bäckdahl M, Larsson C. Deletions of the long arm of chromosome 10 in progression of follicular thyroid tumors. *Hum Genet*. 1996;97:299-303.
- Parrado C, Falkmer UG, **Höög A**, Falkmer S, Ahrens O, Rius F, Grimelius L. A technique for automatic/interactive assessment of the proliferating fraction of neoplastic cells in solid tumors. A methodological study on the Ki-67 immunoreactive cells in human mammary carcinomas, including a comparison with the results of conventional S-phase fraction assessments by means of DNA cytometry. *Gen Diagn Pathol*. 1996;141:215-227.
- Zedenius J, Larsson C, Wallin G, Bäckdahl M, Aspenblad U, **Höög A**, Borresen AL, Auer G. Alterations of p53 and expression of WAF1/p21 in human thyroid tumors. *Thyroid*. 1996;6:1-9.
- Höög A**, Hu W, Abdel-Halim SM, Falkmer S, Qing L, Grimelius L. Ultrastructural localization of insulin-like growth factor-2 (IGF-2) to the secretory granules of insulin cells: a study in normal and diabetic (GK) rats. *Ultrastruct Pathol*. 1997;21:457-466.
- Höög A**, Sandberg Nordqvist AC, Hulting AL, Falkmer UG. High-molecular weight IGF-2 expression in a haemangiopericytoma associated with hypoglycaemia. *APMIS*. 1997;105:469-482.
- Bränström R, **Höög A**, Wahl MA, Berggren PO, Larsson O. RIN14B: a pancreatic delta-cell line that maintains functional ATP-dependent K⁺ channels and capability to secrete insulin under conditions where it no longer secretes somatostatin. *FEBS Lett*. 1997;411:301-307.

- Farnebo F, **Höög A**, Sandelin K, Larsson C, Farnebo LO. Decreased expression of calcium-sensing receptor messenger ribonucleic acids in parathyroid adenomas. *Surgery*. 1998;124:1094-1098.
- Farnebo F, Teh BT, Kytölä S, Svensson A, Phelan C, Sandelin K, Thompson NW, **Höög A**, Weber G, Farnebo LO, Larsson C. Alterations of the MEN1 gene in sporadic parathyroid tumors. *J Clin Endocrinol Metab*. 1998;83:2627-2630.
- Teh BT, Farnebo F, Twigg S, **Höög A**, Kytölä S, Korpi-Hyovalti E, Wong FK, Nordenström J, Grimelius L, Sandelin K, Robinson B, Farnebo LO, Larsson C. Familial isolated hyperparathyroidism maps to the hyperparathyroidism-jaw tumor locus in 1q21-q32 in a subset of families. *J Clin Endocrinol Metab*. 1998;83:2114-2120.
- Parrado C, Björnhagen V, Eusebi V, Falkmer UG, **Höög A**, Garcia-Caballero T, Perez de Vargas I, Falkmer S. Prognosticating tools in primary neuroendocrine (Merkel-cell) carcinomas of the skin: histopathological subdivision, DNA cytometry, cell proliferation analyses (Ki-67-immunoreactivity) and NCAM immunohistochemistry. A clinicopathological study in 25 patients. *Pathol Res Pract*. 1998;194:11-23.
- Farnebo F, Kytölä S, Teh BT, Dwight T, Wong FK, **Höög A**, Elvius M, Wassif WS, Thompson NW, Farnebo LO, Sandelin K, Larsson C. Alternative genetic pathways in parathyroid tumorigenesis. *J Clin Endocrinol Metab*. 1999;84:3775-3780.
- Kjellman M, Roshani L, Teh BT, Kallioniemi OP, **Höög A**, Gray S, Farnebo LO, Holst M, Bäckdahl M, Larsson C. Genotyping of adrenocortical tumors: very frequent deletions of the MEN1 locus in 11q13 and of a 1-centimorgan region in 2p16. *J Clin Endocrinol Metab*. 1999;84:730-735.
- Kjellman M, Enberg U, **Höög A**, Larsson C, Holst M, Farnebo LO, Sato H, Bäckdahl M. Gelatinase A and membrane-type 1 matrix metalloproteinase mRNA: expressed in adrenocortical cancers but not in adenomas. *World J Surg*. 1999;23:237-242.
- Li Q, Grimelius L, **Höög A**, Johansson H, Kjellman M, Larsson A. Characterisation of endothelin-1-related protein in human adrenal cortex and in cortical lesions. *Histochem Cell Biol*. 1999;111:33-37.
- Edström E, Frisk T, Farnebo F, **Höög A**, Bäckdahl M, Larsson C. Expression analysis of RET and the GDNF/GFRalpha-1 and NTN/GFRalpha-2 ligand complexes in pheochromocytomas and paragangliomas. *Int J Mol Med*. 2000;6:469-474.
- Stumpf E, Aalto Y, **Höög A**, Kjellman M, Otonkoski T, Knuutila S, Andersson LC. Chromosomal alterations in human pancreatic endocrine tumors. *Genes Chromosomes Cancer*. 2000;29:83-87.
- Hiramatsu S, **Höög A**, Möller C, Grill V. Treatment with diazoxide causes prolonged improvement of beta-cell function in rat islets transplanted to a diabetic environment. *Metabolism*. 2000;49:657-661.
- Frisk T, Farnebo F, Zedenius J, Grimelius L, **Höög A**, Wallin G, Larsson C. Expression of RET and its ligand complexes, GDNF/GFRalpha-1 and NTN/GFRalpha-2, in medullary thyroid carcinomas. *Eur J Endocrinol*. 2000;142:643-649.

- Portela-Gomes GM, **Höög A**. Insulin-like growth factor II in human fetal pancreas and its co-localization with the major islet hormones: comparison with adult pancreas. *J Endocrinol*. 2000;165:245-251.
- Edström E, Mahlamäki E, Nord B, Kjellman M, Karhu R, **Höög A**, Goncharov N, Teh BT, Bäckdahl M, Larsson C. Comparative genomic hybridization reveals frequent losses of chromosomes 1p and 3q in pheochromocytomas and abdominal paragangliomas, suggesting a common genetic etiology. *Am J Pathol*. 2000;156:651-659.
- Höög A**, Kjellman M, Nordqvist AC, Höög CM, Juhlin C, Falkmer S, Schalling M, Grimelius L. Insulin-like growth factor-II in endocrine pancreatic tumours. Immunohistochemical, biochemical and in situ hybridization findings. *APMIS*. 2001;109:127-140.
- Kjellman P, Lagercrantz S, **Höög A**, Wallin G, Larsson C, Zedenius J. Gain of 1q and loss of 9q21.3-q32 are associated with a less favorable prognosis in papillary thyroid carcinoma. *Genes Chromosomes Cancer*. 2001;32:43-49.
- Kytölä S, **Villablanca A**, Ebeling T, Nord B, Larsson C, **Höög A**, Wong FK, Välimäki M, Vierimaa O, Teh BT, Salmela PI, Leisti J. Founder effect in multiple endocrine neoplasia type 1 (MEN 1) in Finland. *J Med Genet*. 2001;38:185-189.
- Kytölä S, **Höög A**, Nord B, Cedermark B, Frisk T, Larsson C, Kjellman M. Comparative genomic hybridization identifies loss of 18q22-qter as an early and specific event in tumorigenesis of midgut carcinoids. *Am J Pathol*. 2001;158:1803-1808.
- Kjellman P, Learoyd DL, Messina M, Weber G, **Höög A**, Wallin G, Larsson C, Robinson BG, Zedenius J. Expression of the RET proto-oncogene in papillary thyroid carcinoma and its correlation with clinical outcome *Br J Surg*. 2001;88:557-563.
- Villablanca A, Farnebo F, Teh BT, Farnebo L-O, **Höög A**, Larsson C. Genetic and clinical characterization of sporadic cystic parathyroid tumours. *Clin Endocrinol* 2002;56:261-269.
- Kytölä S, Nord B, **Edström E**, Carling T, Kjellman M, Cedermark B, Juhlin C, **Höög A**, Isola J, Larsson C. Alterations of the SDHD gene locus in midgut carcinoids, Merkel cell carcinomas, pheochromocytomas and abdominal paragangliomas *Genes Chromosomes Cancer*. 2002;34:325-332.
- Frisk T, Foukakis T, Dwight T, Lundberg J, **Höög A**, Wallin G, Eng C, Zedenius J, Larsson C. Silencing of the PTEN tumor-suppressor gene in anaplastic thyroid cancer. *Genes Chromosomes Cancer*. 2002;35:74-80.
- Carpten JD, Robbins CM, **Villablanca A**, Forsberg L, Presciuttini S, Bailey-Wilson J, Simonds WF, Gillanders EM, Kennedy EM, Chen JD, Agarwal SK, Sood R, Jones MP, Moses TY, Haven C, Petillo D, Leotlela PD, Harding B, Cameron D, Panett AA, **Höög A**, Heath III H, James-Newton LA, Robinson B, Zarbo R, Cavaco BM, Wassif W, Perrier ND, Rosen I, Kristofferson U, Turnpenny PD, Farnebo L.-O , Besser GM, Jackson CE, Morreau H, Trent JM, Thakker RV, Marx SJ, Teh BT, Larsson C, Hobbs MR. HRPT2, encoding parafibromin, is mutated in the hyperparathyroidism-jaw tumor syndrome. *Nat Genet*. 2002;32:676-680.

- Villablanca A, Wassif WS, Smith S, **Höög A**, Vierimaa O, Kassem M, Dwight T, Forsberg L, Du Q, Learoyd D, Jones K, Stranks S, Juhlin C, Teh BT, Carling T, Robinsson B, Larsson A. Involvement of the MEN1 gene locus in familial isolated hyperparathyroidism. *Eur J Endocrinol*. 2002;147:313-322.
- Edström E, Nord B, Carling T, Juhlin C, Bäckdahl M, **Höög A**, Larsson C. Loss of heterozygosity on the short arm of chromosome 1 in pheochromocytoma and abdominal paraganglioma. *World J Surg*. 2002;26:965-971.
- Välimäki S, **Höög A**, Larsson C, Farnebo LO, Bränström R. High extracellular Ca²⁺ hyperpolarizes human parathyroid cells via Ca(2+)-activated K⁺ channels. *J Biol Chem*. 2003;278:49685-49690.
- Dwight T, Thoppe SR, Foukakis T, Lui WO, Wallin G, **Höög A**, Frisk T, Larsson C, Zedenius J. Involvement of the PAX8/peroxisome proliferator-activated receptor gamma rearrangement in follicular thyroid tumors. *J Clin Endocrinol Metab*. 2003;88:4440-4445.
- Edström Elder E, Xu D, **Höög A**, Enberg U, Hou M, Pisa P, Gruber A, Larsson C, Bäckdahl M. Ki-67 and hTERT expression can aid in the distinction between malignant and benign pheochromocytoma and paraganglioma. *Modern Pathology*. 2003;16:246-255.
- Edström Elder E, Hjelm Skog AL, **Höög A**, Hamberger B. The management of benign and malignant pheochromocytoma and abdominal paraganglioma. *Eur J Surg Oncol*. 2003;29:278-283.
- Kjellman P, Wallin G, **Höög A**, Auer G, Larsson C, Zedenius J. MIB-1 index in thyroid tumors: a predictor of the clinical course in papillary thyroid carcinoma. *Thyroid*. 2003;13:371-380.
- Enberg U, Volpe C, **Höög A**, Wedell A, Farnebo LO, Thoren M, Hamberger B. Postoperative differentiation between unilateral adrenal adenoma and bilateral adrenal hyperplasia in primary aldosteronism by mRNA expression of the gene CYP11B2. *Eur J Endocrinol*. 2004;151:73-85.
- Villablanca A, Calender A, Forsberg L, **Höög A**, Cheng JD, Petillo D, Bauters C, Kahnoski K, Ebeling T, Salmela P, Richardson AL, Delbridge L, Meyrier A, Proye C, Carpten JD, Teh BT, Robinson BG, Larsson C. Germline and de novo mutations in the HRPT2 tumour suppressor gene in familial isolated hyperparathyroidism (FIHP). *J Med Genet*. 2004;41(3):e32
- Foukakis T, Thoppe SR, Lagercrantz S, Dwight T, Weng WH, Svensson A, **Höög A**, Zedenius J, Wallin G, Lui WO, Larsson C. Molecular cytogenetic characterization of primary cultures and established cell lines from non-medullary thyroid tumors. *Int J Oncol*. 2005;26:141-149.
- Velazquez-Fernandez D, Laurell C, Geli J, **Höög A**, Odeberg J, Kjellman M, Lundeberg J, Hamberger B, Nilsson P, Bäckdahl M. Expression profiling of adrenocortical neoplasms suggests a molecular signature of malignancy. *Surgery*. 2005;138:1087-1094.

- Elgadi A, Frisk T, Larsson C, Wallin G, **Höög A**, Zedenius J, Norgren S. Lack of mutations in the TSHr and Gsalpha genes in TSHr antibody negative Graves' disease. *Exp Clin Endocrinol Diabetes*. 2005;113:516-521.
- Forsberg L, Björck E, Hashemi J, Zedenius J, **Höög A**, Farnebo LO, Reimers M, Larsson C. Distinction in gene expression profiles demonstrated in parathyroid adenomas by high-density oligoarray technology. *Eur J Endocrinol*. 2005 Mar;152:459-470.
- Lui WO, Foukakis T, Liden J, Thoppe SR, Dwight T, **Höög A**, Zedenius J, Wallin G, Reimers M, Larsson C. Expression profiling reveals a distinct transcription signature in follicular thyroid carcinomas with a PAX8-PPAR(gamma) fusion oncogene. *Oncogene*. 2005;24:1467-1476.
- Juhlin C, Larsson C, Yakoleva T, Leibiger I, Leibiger B, Alimov A, Weber G, **Höög A**, Villablanca A. Loss of parafibromin expression in a subset of parathyroid adenomas. *Endocr Relat Cancer*. 2006;13:509-523.
- Fryknäs M, Wickenberg-Bolin U, Göransson H, Gustafsson MG, Foukakis T, Lee JJ, Landegren U, **Höög A**, Larsson C, Grimelius L, Wallin G, Pettersson U, Isaksson A. Molecular markers for discrimination of benign and malignant follicular thyroid tumors. *Tumour Biol*. 2006;27:211-220.
- Forsberg L, Larsson C, Sofiadis A, Lewensohn R, **Höög A**, Lehtio J. Pre-fractionation of archival frozen tumours for proteomics applications. *J Biotechnol*. 2006;126:582-586.
- Lee JJ, Larsson C, Lui WO, **Höög A**, Von Euler H. A dog pedigree with familial medullary thyroid cancer. *Int J Oncol*. 2006;29:1173-1182.
- Rubio CA, Grimelius L, Lindholm J, Hamberg H, Porwit A, Elmberger G, **Höög A**, Kanter L, Eriksson E, Stemme S, Orrego A, Saft L, Petersson F, De la Torre M, Ekström C, Åström K, Rundgren Å, Djokic M, Chadanos E, Lenander C, Machado M, Nilsson P, Mattsson L. Reliability of the reported size of removed colorectal polyps. *Anticancer Res*. 2006;26:4895-4899.
- Geli J, Kiss N, Lanner F, Foukakis T, Natalishvili N, Larsson O, Kogner P, **Höög A**, Hamberger B, Geli J, Kiss N, Lanner F, Foukakis T, Natalishvili N, Clark GJ, Ekström TJ, Bäckdahl M, Farnebo F, Larsson C. The Ras effectors NORE1A and RASSF1A are frequently inactivated in human pheochromocytoma and abdominal paraganglioma. *Endocr Relat Cancer*. 2007;14:125-134.
- Bensing S, Hulting AL, **Höög A**, Ericson K, Kämpe O. Lymphocytic hypophysitis: report of two biopsy-proven cases and one suspected case with pituitary autoantibodies. *J Endocrinol Invest*. 2007;30:153-162.
- Lee JJ, Foukakis T, Hashemi J, Grimelius L, Heldin N-E, Wallin G, Rudduck C, Lui W-O, **Höög A**, Larsson C. Molecular Cytogenetic Profiles of Novel and Established Human Anaplastic Thyroid Carcinoma Models *Thyroid*, 2007;17:289-301.
- Foukakis T, Gusnanto A, Au AY, **Höög A**, Lui WO, Larsson C, Wallin G, Zedenius J. A PCR-based expression signature of malignancy in follicular thyroid cancer. *Endocrine-Related Cancer*. 2007;14:381-391.

- Juhlin CC, Villablanca A, Sandelin K, Haglund F, Nordenström J, Forsberg L, Bränström R, Obara T, Arnold A, Larsson C, **Höög A**. Parafibromin immunoreactivity: its use as an additional diagnostic marker for parathyroid tumor classification. *Endocrine-Related Cancer*. 2007;14:501-512.
- Rubio CA, Petersson F, **Höög A**, Jonasson JG, Nesi G, Chandanos E, Lindblad M. Further studies on serrated neoplasias of the cardia: a review and case report *Anticancer Research*, 2007;27: 4431-4434
- Lu M, Forsberg L, **Höög A**, Juhlin CC, Vukojević V, Larsson C, Conigrave AD, Delbridge LW, Gill A, Bark C, Farnebo LO, Bränström R. Heterogeneous expression of SNARE proteins SNAP-23, SNAP-25, Syntaxin1 and VAMP in human parathyroid tissue. *Mol Cell Endocrinol*. 2008;287:72-80.
- Kiss NB, Geli J, Lundberg F, Avci C, Velazquez-Fernandez D, Hashemi J, Weber G, **Höög A**, Ekström TJ, Bäckdahl M, Larsson C. Methylation of the p16INK4A promoter is associated with malignant behavior in abdominal extra-adrenal paragangliomas but not pheochromocytomas. *Endocr Relat Cancer*. 2008;15:609-621.
- Rubio CA, Orrego A, **Höög A**, Porwitz A, Petersson F, Elmberger G, Glaessgen A, Eriksson E, Kanter L, Jaremko G, Egevad L, Laforga J, Liljefors M, Löfdahl B, Norman P, Larsson O, Wanat R, Wejde J, Zickert P, Björk J, Caini S, Palli D, Nesi G. Quantitative assessment of the subepithelial collagen band does not increase the accuracy of diagnosis of collagenous colitis. *Am J Clin Pathol*. 2008;130:375-381.
- Lee JJ, Au AY, Foukakis T, Barbaro M, Kiss N, Clifton-Bligh R, Staaf J, Borg A, Delbridge L, Robinson BG, Wallin G, **Höög A**, Larsson C. Array-CGH identifies cyclin D1 and UBC10 amplicons in anaplastic thyroid carcinoma. *Endocr Relat Cancer*. 2008;15:801-815.
- Lui WO, Zeng L, Rehrmann V, Deshpande S, Tretiakova M, Kaplan EL, Leibiger I, Leibiger B, Enberg U, **Höög A**, Larsson C, Kroll TG. CREB3L2-PPARgamma fusion mutation identifies a thyroid signaling pathway regulated by intramembrane proteolysis. *Cancer Res*. 2008;68:7156-7164.
- Rubio CA, Nilsson PJ, Petersson F, **Höög A**, Blegen H, Chetty R The clinical significance of massive intratumoral lymphocytosis in squamous cell carcinoma of the anus. *Int J Clin Exp Pathol* 2008;1:376-380, 2008
- Lee JJ, Geli J, Larsson C, Wallin G, Karimi M, Zedenius J, **Höög A**, Foukakis T. Gene-specific promoter hypermethylation without global hypomethylation in follicular thyroid cancer. *Int J Oncol*. 2008;33:861-869.
- Juhlin CC, Haglund F, Villablanca A, Sandelin K, Bränström R, Larsson C, **Höög A** Loss of expression for the Wnt pathway components adenomatous polyposis coli and glycogen synthase kinase 3-beta in parathyroid carcinomas. *Int J Oncol*. 2009;34:481-492.
- Sofiadis A, Tani E, Foukakis T, Kjellman P, Skoog L, **Höög A**, Wallin G, Zedenius J, Larsson C. Diagnostic and prognostic potential of MIB-1 proliferation index in thyroid fine needle aspiration biopsy. *Int J Oncol*. 2009;35(2):369-74.

- Enberg U, Hennings J, Volpe C, Hellman P, **Höög A**, Hamberger B, Thorén M. Increased ratio of mRNA expression of the genes CYP17 and CYP11B1 indicates autonomous cortisol production in adrenocortical tumors. *J Endocrinol Invest.* 2009;32(10):810-5.
- Laurell C, Velázquez-Fernández D, Lindsten K, Juhlin C, Enberg U, Geli J, **Höög A**, Kjellman M, Lundeberg J, Hamberger B, Larsson C, Nilsson P, Bäckdahl M. Transcriptional profiling enables molecular classification of adrenocortical tumours. *Eur J Endocrinol.* 2009;161(1):141-52.
- Juhlin CC, Kiss NB, Villablanca A, Haglund F, Nordenström J, **Höög A**, Larsson C. Frequent promoter hypermethylation of the APC and RASSF1A tumour suppressors in parathyroid tumours. *PLoS One.* 2010;5(3):e9472.
- Lu M, Bränström R, Berglund E, **Höög A**, Björklund P, Westin G, Larsson C, Farnebo LO, Forsberg L. Expression and association of TRPC subtypes with Orai1 and STIM1 in human parathyroid. *J Mol Endocrinol.* 2010 May;44(5):285-294.
- Juhlin CC, Nilsson I-L, Johansson K, Haglund F, Villablanca A, **Höög A**, Catharina Larsson. Parafibromin and APC as screening markers for malignant potential in atypical parathyroid adenomas. *Endocr Pathol.* 2010;21(3):166-177.
- Haglund F, Andreasson A, Nilsson I-L, **Höög A**, Larsson C, Juhlin CC. Lack of S37A CTNNB1/ β -catenin mutations in a Swedish cohort of 101 parathyroid adenomas. *Clinical Endocrinology*, 2010; 73(4):552-553.
- Sofiadis A, Orre L, Dinets A, Juhlin CC, Foukakis T, Wallin G, **Höög A**, Zedenius J, Larsson C, Lehtiö J. Proteomic study of thyroid tumors reveals frequent up-regulation of the Ca²⁺-binding protein S100A6 in papillary carcinoma. *Thyroid.* 2010;20(10):1067-1076.
- Lu M, Berglund E, Larsson C, **Höög A**, Farnebo L-O, Bränström R. Calmodulin and calmodulin-dependent protein kinase II inhibit hormone secretion in human parathyroid adenoma. *Journal of Endocrinology*, 2011; 208(1):31-39.
- Holmberg R, Refai E, **Höög A**, Crooke RM, Graham M, Olivecrona G, Berggren PO, Juntti-Berggren L. Lowering apolipoprotein CIII delays onset of type 1 diabetes. *Proc Natl Acad Sci U S A.* 2011; 108(26):10685-10689.
- Özata DM, Caramuta S, Velázquez-Fernández D, Akçakaya P, Xie H, **Höög A**, Zedenius J, Bäckdahl M, Larsson C, Lui W-O: The role of miRNA deregulation in the pathogenesis of adrenocortical carcinoma. *Endocrine-Related Cancer*, 2011; 18(6):643-655.
- Juhlin CC, Haglund F, Obara T, Arnold A, Larsson C, **Höög A**. Absence of nucleolar parafibromin immunoreactivity in subsets of parathyroid malignant tumours. *Virchows Archive* 2011; 459(1):47-53.
- Sofiadis A, Becker S, Hellman U, Hultin-Rosenberg L, Dinets A, Hulchiy M, Zedenius J, Wallin G, Foukakis T, **Höög A**, Auer G, Lehtiö J, Larsson C: Proteomic profiling of follicular and papillary thyroid tumors. *European Journal of Endocrinology*, 2012; 166(4):657-667.

Andreasson A, Sulaiman L, do Vale S, Martins MJ, Ferreira F, Miltenberger-Miltenyi G, Batista L, Haglund F, Björck E, Nilsson I-L, **Höög A**, Larsson C, Juhlin CC: Molecular characterization of parathyroid tumors from two patients with hereditary colorectal cancer syndromes.
Familial Cancer 2012; 11(3):355-362.

Sulaiman L, Nilsson I-L, Juhlin CC, Haglund F, **Höög A**, Larsson C, Hashemi J: Genetic characterization of large parathyroid adenomas.
Endocrine-Related Cancer, 2012; 19(3):389-407.

Dinets A, Hulchiy M, Sofiadis A, Ghaderi M, **Höög A**, Larsson C, Zedenius J: Clinical, genetic and immunohistochemical characterization of 70 Ukraine adult cases with post-Chornobyl papillary thyroid carcinoma.
European Journal of Endocrinology, 2012; 166(6):1049-1060.

Haglund F, Lu M, Vukojevic V, Nilsson IL, Andreasson A, Džabić M, Bränström R, **Höög A**, Juhlin CC, Larsson C: Prolactin receptor in primary hyperparathyroidism – expression, functionality and clinical correlations
PLoS ONE, 2012; 7(4):e35820.

Segerhammar I, Larsson C, Nilsson I-L, Bäckdahl M, **Höög A**, Wallin G, Foukakis T, Zedenius J: Anaplastic carcinoma of the thyroid gland: treatment and outcome over 13 years at one institution.
Journal of Surgical Oncology, 2012; 106(8):981-986.

Tofighi R, Barde S, Palkovits M, **Höög A**, Hökfelt T, Ceccatelli S, Hulting AL. Galanin and its three receptors in human pituitary adenoma. *Neuropeptides*. 2012; 46(5):195-201.

Haglund F, Ma R, Huss M, Sulaiman L, Lu M, Nilsson I-L, **Höög A**, Juhlin CC, Hartman J, Larsson C: Evidence of a functional estrogen receptor in parathyroid adenomas.
Journal of Clinical Endocrinology and Metabolism. 2012; 97(12):4631-4639.

Kiss NB, Muth A, Andreasson A, Juhlin CC, Geli J, Bäckdahl M, **Höög A**, Wängberg A, Nilsson O, Ahlman H, Larsson C: Acquired hypermethylation of the P16^{INK4A} promoter in abdominal paraganglioma: relation to adverse tumor phenotype and predisposing mutation.
Endocrine Related Cancer, 2012 Nov 15. [Epub ahead of print]

Case reports etc

Höög A. [The question of grading: be aware of the established limits].
Läkartidningen. 1993;16;90:2292-2293. Swedish. No abstract available.

Rubio CA, Grimelius L, Von Sivers K, **Höög A**. Intraductal serrated adenoma of the pancreas. A case report. *Anticancer Res*. 2005;25:3099-3102.

Höög A. På en medicinavdelning på ett mindre svenskt sjukhus. Undervisningscase i KI-publikationen: Att undervisa med case i utbildningar inom hälso- och sjukvården, 2009. Medical Case Centre, Jonas Nordquist och Linda Johansson

Bränström R, Berglund E, Curman P, Forsberg L, **Höög A**, Grimelius L, Berggren P-O, Mattsson P, Hellman P, Juntti-Berggren L. Electrical short-circuit in beta-cells from a patient with non-insulinoma pancreatogenous hypoglycemic syndrome (NIPHS): A case report. *Journal of Medical Case Reports* 2010;4:315

Reviews etc

Zhang WW, Badonic T, **Höög A**, Jiang MH, Ma KC, Nie JX, Olsson Y, Sourander P. Structural and vasoactive factors influencing intracerebral arterioles in cases of vascular dementia and other cerebrovascular disease: a review. Immunohistochemical studies on expression of collagens, basal lamina components and endothelin-1. *Dementia*. 1994;5:153-162.

Villablanca A, **Höög A**, Larsson C, The BT. Molecular genetics of familial hyperparathyroidism. *Journal of Endocrine genetics*, 2001;2:3-12.

Juhlin CC, **Höög A**. Parafibromin as a diagnostic instrument for parathyroid carcinoma -lone ranger or part of the posse? *International Journal of Endocrinology*. 2010;2010:324964.