

Studie som påverkat mitt kliniska arbete

Tommy Olsson

Utredning av ACTH-beroende Cushings syndrom (ca 1985-90)

- Klinisk bild
- Screeningtester (1 mg dexametasontest, tU-kortisol, salivkortisol)
- P-ACTH
- Differentialdiagnostiska tester (8 mg dexametasontest, CRH-test)

Sinus petrosus-kateterisering (IPSS) vid ACTH-beroende Cushingsyndrom

PREOPERATIVE LATERALIZATION OF ACTH-SECRETING PITUITARY MICROADENOMAS BY BILATERAL AND SIMULTANEOUS INFERIOR PETROSAL VENOUS SINUS SAMPLING

EDWARD H. OLDFIELD, M.D.,
GEORGE P. CHROUSOS, M.D.,
HEINRICH M. SCHULTE, M.D.,
MARCUS SCHAAF, M.D.,
PAUL E. MCKEEVER, M.D., PH.D.,
ADRIAN G. KRUDY, M.D.,
GORDON B. CUTLER, JR., M.D.,
D. LYNN LORIAUX, M.D., PH.D.,
AND JOHN L. DOPPMAN, M.D.

Sinus petrosus kateterisering à la Doppman

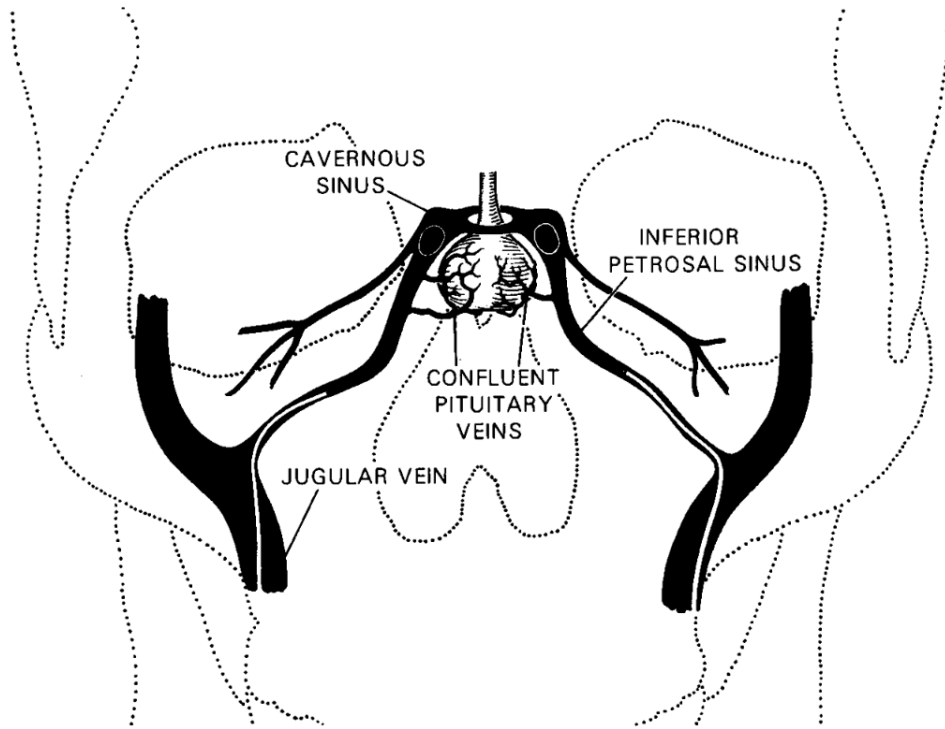
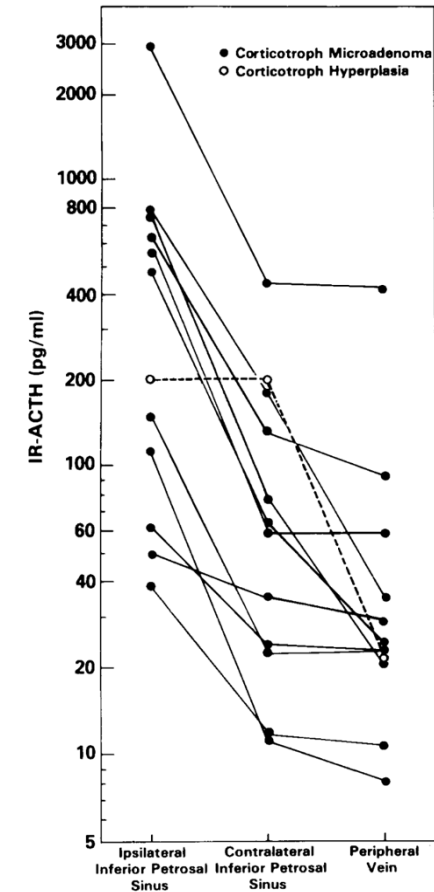


Figure 1. Catheter Placement for Bilateral Simultaneous Blood Sampling of the Inferior Petrosal Sinuses.

Confluent pituitary veins empty laterally into the cavernous sinuses, which drain into the inferior petrosal sinuses.



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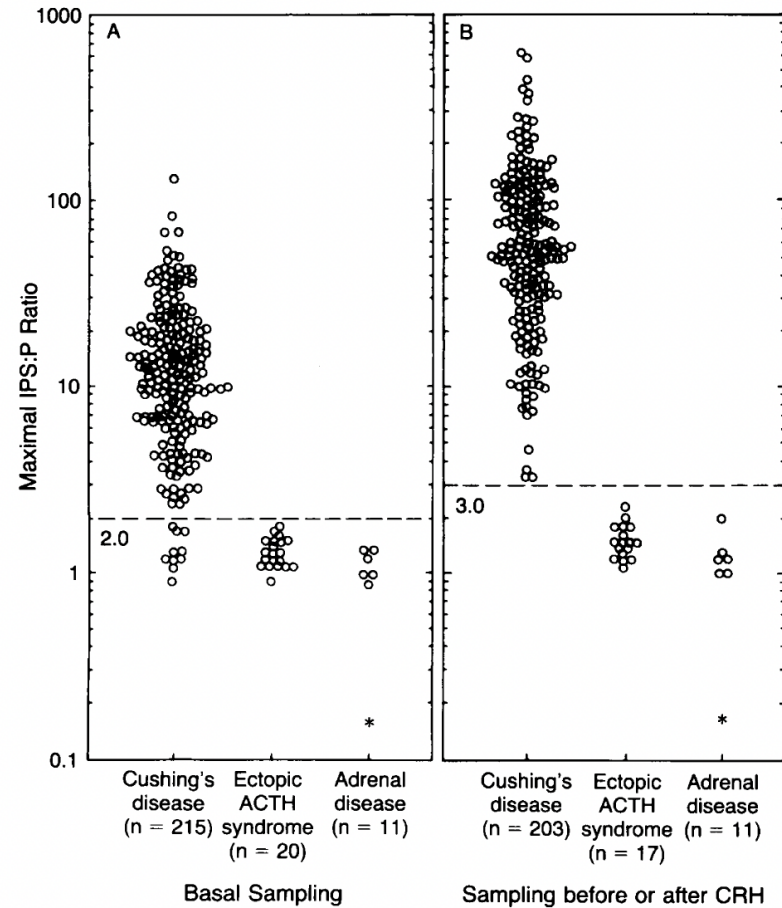
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PETROSAL SINUS SAMPLING WITH AND WITHOUT CORTICOTROPIN-RELEASING HORMONE FOR THE DIFFERENTIAL DIAGNOSIS OF CUSHING'S SYNDROME

EDWARD H. OLDFIELD, M.D., JOHN L. DOPPMAN, M.D., LYNNETTE K. NIEMAN, M.D.,
GEORGE P. CHROUSOS, M.D., DONALD L. MILLER, M.D., DAVID A. KATZ, M.D.,
GORDON B. CUTLER, JR., M.D., AND D. LYNN LORIAUX, M.D., PH.D.

IPSS – hög sensitivitet och specificitet



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**MINERALOCORTICOID ACTIVITY OF
LIQUORICE: 11-BETA-HYDROXYSTEROID
DEHYDROGENASE DEFICIENCY COMES OF
*AGE**

PAUL M. STEWART¹ A. MICHAEL WALLACE²
ROSSELLA VALENTINO¹ DANIEL BURT¹
CEDRIC H. L. SHACKLETON³
CHRISTOPHER R. W. EDWARDS

*Department of Medicine, Western General Hospital, Edinburgh;¹
Department of Biochemistry, Royal Infirmary, Glasgow;² Children's
Hospital Medical Centre, Oakland, California, USA³*

Syndrome of Apparent Mineralocorticoid Excess

A Defect in the Cortisol–Cortisone Shuttle

P. M. Stewart, J. E. T. Corrie,* C. H. L. Shackleton,‡ and C. R. W. Edwards

*Department of Medicine and *Medical Research Council Clinical & Population Cytogenetics Unit, Western General Hospital, Edinburgh EH4 2XU Scotland; and ‡Children's Hospital Medical Center of Northern California, Oakland, California 94609*

21-årig man, synstörningar sedan 2 veckor. Polydipsi, polyuri

BT 200/145. FH III.

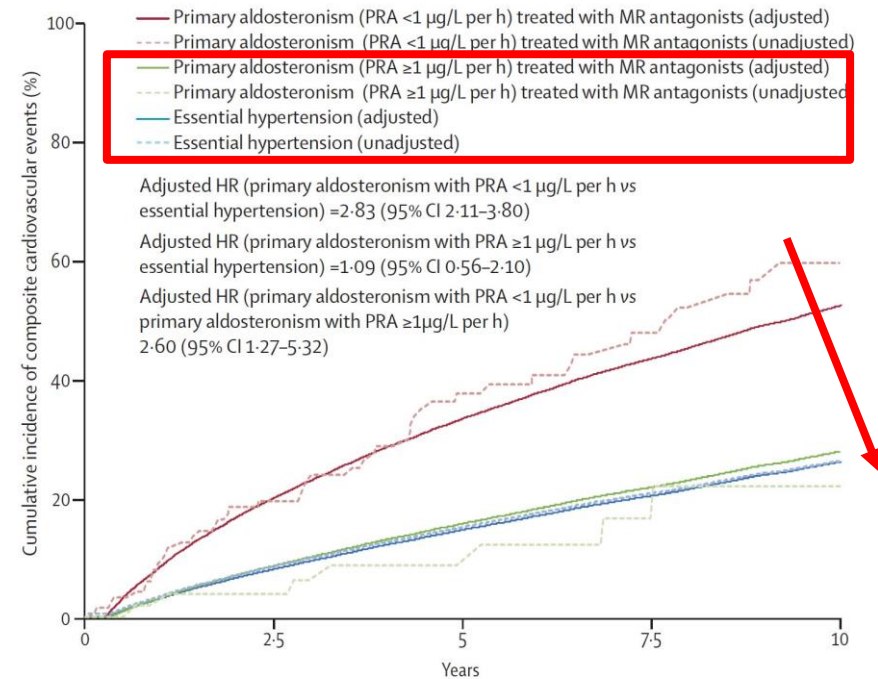
P-Na 148, P-K 1,7. Ventrikelflimmer x 2

P-renin och P-aldosteron omätbara

Svårbehandlad hypertoni trots 6 olika läkemedel + kalium

GC/MS: Höga nivåer av metaboliter av kortisol vs. kortison

Primär aldosteronism – hitta patienterna och behandla optimalt!

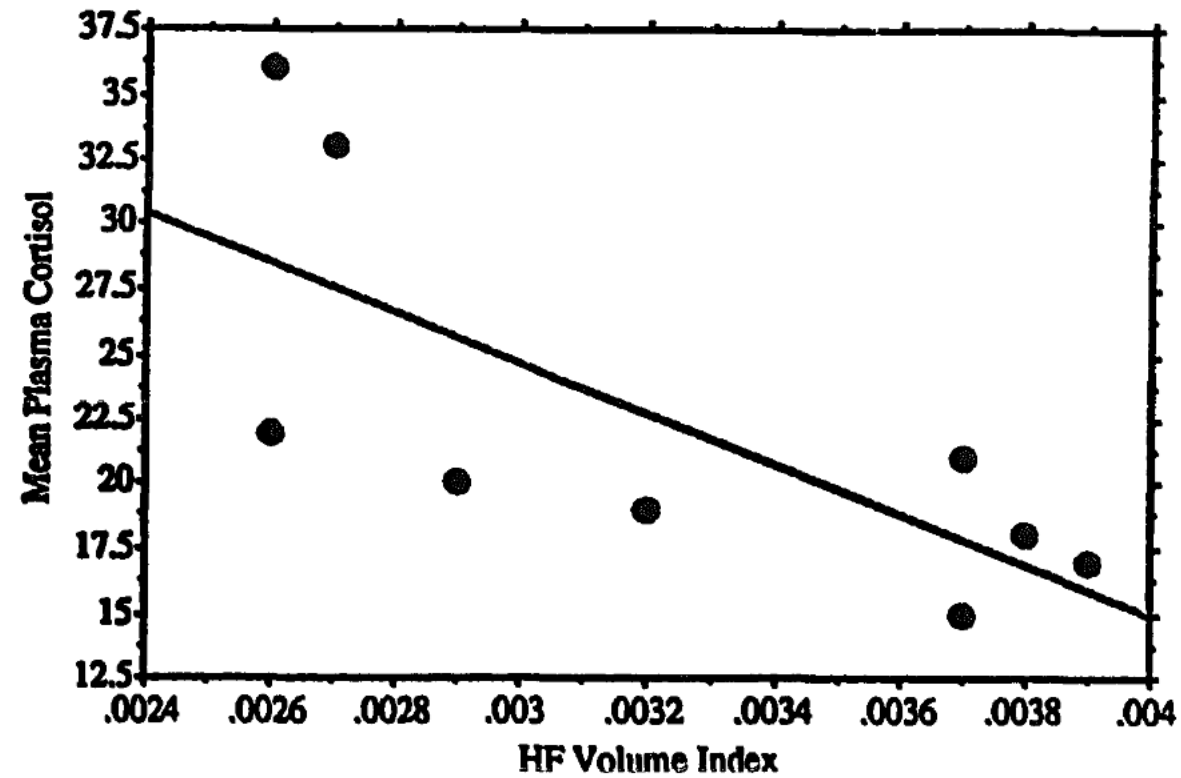


	0	2.5	5	7.5	10
Number at risk					
Primary aldosteronism- PRA $<1 \mu\text{g/L/h}$	134	83	52	31	13
Primary aldosteronism- PRA $\ge 1 \mu\text{g/L/h}$	67	46	29	19	12
Essential hypertension	41853	34423	25870	18261	12453

**Hippocampal Formation Volume, Memory
Dysfunction, and Cortisol Levels in Patients
with Cushing's Syndrome**

**Monica N. Starkman, Stephen S. Gebarski, Stanley Berent,
and David E. Schteingart**

Hjärnatrofi vid Cushingsyndrom?



Vad blir slutsatserna?

- Sinus petrosus-kateterisering i goda händer är en bra metod för att bestämma orsaken till ACTH-beroende Cushingsyndrom
- Att identifiera och avlägsna/minska orsaken till överdriven aktivering av mineralokortikoidreceptorer är mycket viktigt för att reducera framtida sjuklighet och död
- Kom ihåg de ofta långvariga kortisoleffekterna på hjärnan vid Cushingsyndrom