Glucocorticoid Use and Risk of Atrial Fibrillation or Flutter

A Population-Based, Case-Control Study

Christian Fynbo Christiansen, MD; Steffen Christensen, MD; Frank Mehnert, MSc; Steven R. Cummings, MD; Roland D. Chapurlat, MD, PhD; Henrik Toft Srensen, MD, PhD, DMSc

Arch Intern Med. 2009;169(18):1677-1683

INTERNATIONAL CLASSIFICATION OF DISEASES (ICD) AND ANATOMIC THERAPEUTIC CHEMICAL (ATC) CODES

Hospital Diagnosis (ICD Codes)

Cardiovascular diseases including hypertension
- ICD-8: 393-398, 400-404, 410-414, 427.09, 427.10, 427.19
- ICD-10: I05-I15, I20-I25, I50

Chronic obstructive pulmonary disease (COPD)/asthma
- ICD-8: 491-493
- ICD-10: J41-J46

Diabetes
- ICD-8: 249.01-249.09, 250.00
- ICD-10: E10.0-E10.9, E11.0-E11.9

Renal failure
- ICD-8: 581-584
- ICD-10: N17-N19

Inflammatory bowel disease
- ICD-8: 563.01, 563.19, 569.04
- ICD-10: K50.0, K50.1, K50.8, K50.9, K51.0-51.3

Connective tissue disease and rheumatoid arthritis
- ICD-8: 135.99, 446, 712, 716, 734
- ICD-10: D86, M05, M06, M08, M09, M30-M36

Liver disease and chronic pancreatitis
- ICD-8: 456, 571.11, 571.19, 571.90-571.93, 571.99, 577.10
- ICD-10: A48.1, A70.9, B18, I85, J12-J18, K70.0, K70.3, K71.7, K73, K74, K74.3-K74.6, K76.0

Acute alcohol intoxication
- ICD-8: 979, 980
- ICD-10: F10.0, F11.0, T51.0, T51.9

Other alcoholism-related diseases
- ICD-8: 291, 303, 571.09, 571.10, 577.10
- ICD-10: F10 (except F10.0), G31.2, G62.1, G72.1, I42.6, K29.2, K86.0, Z72.1, and/or a previous prescription for disulfiram ATC N07BB01

Hyperthyroidism
- ICD-8: 242
- ICD-10: E05

Cancer
- ICD-8: 140-207
- ICD-10: C00-C96

Drugs (ATC Codes)

Systemic Glucocorticoids
- Dexamethasone: H02AB02
- Methylprednisolone: H02AB04
- Prednisolone: H02AB06
- Prednisone: H02AB07
- Hydrocortisone: H02AB09
- Digoxin: C01AA05

Other Drugs
- Vitamin K antagonists: B01AA
- Antithyroid drugs: H03B
- Thyroid hormones: H03AA01
- Respiratory drugs: R03
- Nonsteroidal anti-inflammatory drugs and cyclooxygenase 2 inhibitors: M01A

Cardiovascular Drugs
- Angiotensin-converting enzyme inhibitors: C09
- β-Blocking agents: C07
- Low-dose aspirin: N02BA01
- Statins: B04AB01, C10AA
- Calcium antagonists: C08D
- Other antihypertensives: C02
- Diuretics: C03
- Nitrates: C01DA, C01DX