

Title (en)

METHOD OF DIAGNOSING PITUITARY DEPENDENT GROWTH HORMONE DEFICIENCY

Title (de)

VERFAHREN ZUR DIAGNOSE MANGELNDER ERZEUGUNG VON WACHSTUMSHORMON DER HYPOPHYSE

Title (fr)

METHODE DE DIAGNOSTIC DE CARENCES EN HORMONE DE CROISSANCE HYPOPHYSIAIRE

Publication

EP 0871392 A4 20010829 (EN)

Application

EP 96908837 A 19960314

Priority

- US 9603607 W 19960314
- US 40584295 A 19950317

Abstract (en)

[origin: WO9629002A1] A diagnostic protocol and kit for evaluating pituitary growth hormone (GH) secretory capability as a means to identify the etiology of GH deficiency in children and adults is disclosed. The inventive protocol includes measuring GH secretion, as determined by changes in serum, plasma, or whole blood GH concentrations following administration of the xenobiotic GH releasing hexapeptide (GHRP-6) or any of its peptidyl or non-peptidyl synthetic analogues that release GH by the same cellular mechanism as GHRP-6. The naturally occurring GH releasing compound (GHRH) or its analogues is also administered to children and adults afflicted with disorders related to GH deficiency and GH secretion is measured. After evaluating the effects of independent administration of the GH secretagogues upon changes in blood GH concentrations, the effect of the co-administered GH secretagogues on blood GH concentrations in the child or adult subject is then measured.

IPC 1-7

G01N 33/50; **G01N 33/68**; **G01N 33/53**; **G01N 33/74**; **A61K 38/25**; **A61B 5/00**; **G01N 33/49**

IPC 8 full level

C07K 14/60 (2006.01); **G01N 33/50** (2006.01); **G01N 33/74** (2006.01)

CPC (source: EP)

C07K 14/60 (2013.01); **G01N 33/5091** (2013.01); **G01N 33/74** (2013.01); **G01N 2333/61** (2013.01)

Citation (search report)

- [XA] POPOVIC, V. ET AL.: "Growth Hormone (GH) Secretion in Active Acromegaly after the Combined Administration of GH-Releasing Hormone and GH-Releasing Peptide-6", THE JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM, vol. 79, no. 2, August 1994 (1994-08-01), pages 456 - 460, XP000901920
- [PX] BERCU, B.B ET AL.: "Evaluation of Pituitary Function in Children Using Growth Hormone Secretagogues", JOURNAL OF PEDIATRIC ENDOCRINOLOGY & METABOLISM, vol. 9, no. 3, October 1995 (1995-10-01), pages 325 - 332, XP000904755
- See references of WO 9629002A1

Designated contracting state (EPC)

AT BE CH DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9629002 A1 19960926; EP 0871392 A1 19981021; EP 0871392 A4 20010829

DOCDB simple family (application)

US 9603607 W 19960314; EP 96908837 A 19960314