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(54) **Diagnosis of preeclampsia**

(57) The present invention provides methods and compositions related to the detection and/or monitoring of the levels of angiogenic factors, specifically VEGF, PlGF and sFlt-1, in urine samples obtained from pregnant women and the effects of such levels on the risk of de-

veloping complications of pregnancy, including hypertensive disorders such as preeclampsia, in the first, second, and/or third trimester of pregnancy. The present invention also provides kits for identifying and screening patients at risk of developing a complication of pregnancy, such as preeclampsia.

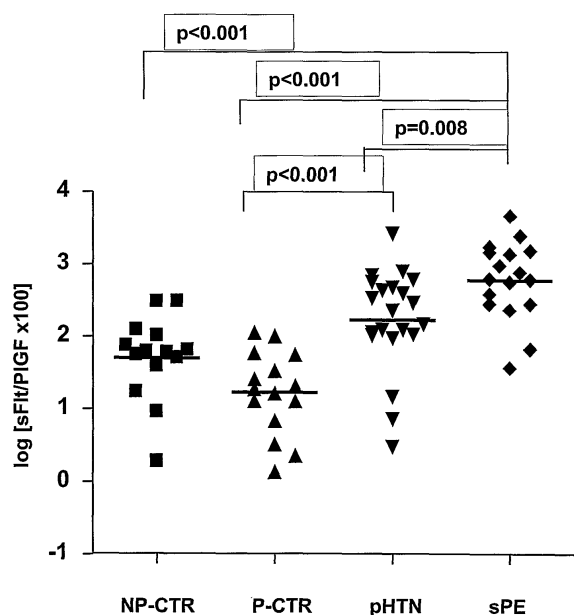


Figure 6



## EUROPEAN SEARCH REPORT

Application Number  
EP 11 17 6350

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	BUHIMSCHI C ET AL: "Urinary angiogenic factors cluster hypertensive disorders and identify women with severe preeclampsia", AMERICAN JOURNAL OF OBSTETRICS & GYNECOLOGY, MOSBY, ST LOUIS, MO, US, vol. 191, no. 6, 17 December 2004 (2004-12-17), page S15, XP004690335, ISSN: 0002-9378 * abstract *	1-6	INV. G01N33/53 G01N33/566 B01L3/00 G01N33/74 G01N33/68
L	Elsevier Journal Manager: "email exchange", Elsevier  7 April 2008 (2008-04-07), XP002668590, Retrieved from the Internet: URL:contactus@sciencedirect.com [retrieved on 2008-04-07]		
			TECHNICAL FIELDS SEARCHED (IPC)
			G01N
-The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 2 February 2012	Examiner Lunter, Pim
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	

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EPO FORM 1503 03.82 (P04C01)



Application Number

EP 11 17 6350

**CLAIMS INCURRING FEES**

The present European patent application comprised at the time of filing claims for which payment was due.

- ☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):
- ☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

**LACK OF UNITY OF INVENTION**

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

- ☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.
- ☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.
- ☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:
- ☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:
- 1-6
- ☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION  
SHEET B**

Application Number

EP 11 17 6350

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-6

Method for diagnosing a hypertensive disorder comprising  
measuring sFlt-1 and PlGF, kit

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2. claim: 7

Kit comprising receptacle, means for detecting sFlt-1 and  
creatinine

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3. claims: 8-13

Method of diagnosing a hypertensive disorder comprising  
measuring VEGF

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专利名称(译)	先兆子痫的诊断		
公开(公告)号	<a href="#">EP2434283A3</a>	公开(公告)日	2012-07-11
申请号	EP2011176350	申请日	2005-12-21
[标]申请(专利权)人(译)	耶鲁大学		
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优先权	60/637948 2004-12-21 US		
其他公开文献	EP2434283A2 EP2434283B1		
外部链接	<a href="#">Espacenet</a>		

#### 摘要(译)

本发明提供了与从孕妇获得的尿样中检测和/或监测血管生成因子，特别是VEGF，PlGF和Sflt-1水平相关的方法和组合物，以及这些水平对发生并发症风险的影响。妊娠的第一，第二和/或第三个三个月的妊娠，包括高血压疾病，如先兆子痫。本发明还提供了用于鉴定和筛选有发生妊娠并发症（例如先兆子痫）风险的患者的试剂盒。

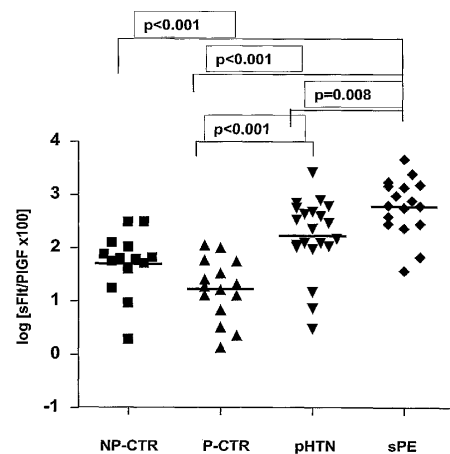


Figure 6