Reviewer's report

Title: Giant secreting adrenal myelolipoma: a case report

Version: 1 Date: 1 October 2010

Reviewer: marialuisa appetecchia

Which of the following following best describes what type of case report this is?: Unexpected or unusual presentations of a disease

Has the case been reported coherently?: Yes

Is the case report authentic?: Yes

Is the case report ethical?: Yes

Is there any missing information that you think must be added before publication?: Yes

Is this case worth reporting?: No

Is the case report persuasive?: No

Does the case report have explanatory value?: No

Does the case report have diagnostic value?: No

Will the case report make a difference to clinical practice?: No

Is the anonymity of the patient protected?: Yes

Comments to authors:

General comments
A case of giant secreting adrenal myelolipoma with hypercortisolism is reported

Abstract:
page 2 line 3 "...the case of largest secreting adrenal..." This is not true. Other reports in literature described tumor larger than that (Boudreaux 1979 and Allison 2003 f.e.) as also reported in the introduction of this paper.

Introduction
page 3 line 8 "...equally affected by cancer". Not all tumor are cancer. In this case what we have? a tumor (benign tumor) or a cancer (malignant tumor)?

page 3 line 18 "...here one of the largest cortisol secreting..."This is in contrast with the abstract. Is this tumor the largest or one of the largest myelolipomas
reported in the literature?  

Case report  
page 4 line 14 normal values of cortisol and glucose (better glycemia) are missed  

Discussion  
page 5 line 1 "...cancer..." or tumor?  
page 5 line 17 ".....to notice hyperincretion of cortisol...". This association haven reported yet (Hagiwara H 2008 and Lamas C 2009.  
page 5 line 20 I think that the side of the tumor is casual.  

Conclusions  
In the case of an adrenal tumor CT is usually done. For a differential diagnosis of myelolipoma MRI is probably better. A laboratory screening for adrenal secretion is always necessary in the presence of adrenal masses.  

It is not clear what the authors want to say with this case report.  

Revisions necessary for publication:  
There are some disagreements between the categories of the paper  
Normal values of cortisol and glucose are needed  
There are few references in the text  

Quality of written English: Needs some language corrections before being published  

Declaration of competing interests:  
'I declare that I have no competing interests'