Reviewer’s report

Title: Analysis of cystic fibrosis gene mutations in children with Cystic Fibrosis and in 964 infertile couples, first report from the Region of Basilicata, Italy.

Version: 5 Date: 5 July 2014

Reviewer: sherif shehata

Which of the following best describes what type of case report this is?: Findings that shed new light on the possible pathogenesis of a disease or an adverse effect

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?: No

Is this case worth reporting?: Yes

Is the case report persuasive?: Yes

Does the case report have explanatory value?: No

Does the case report have diagnostic value?: Yes

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

Is the anonymity of the patient protected?: Yes

Comments to authors:

The authors document very good topic but some points need to be clarified:
1) Do they think to make DNA SEQUENCING FOR ALL CASES (even the positive reverse dot blot) will be an additional proof as could differentiate the innocent polymorphism cases.
2) there is many descrepancies to the former study in table 5 when compared without explanation
3) figure 1 is very complex
4) despite that the aim of the study to establish priority risk of CF carriers, the results of the study is lacking that evidence.
5) grammar check is needed

**Level of interest:** An article whose findings are important to those with closely related research interests

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

**Declaration of competing interests:**

I declare that I have no competing interests