## **ORIGINAL RESEARCH**



## RETRACTED ARTICLE: Upregulation of miR-21 Expression in Gastric Cancer and Its Clinicopathological Feature Association

Fatima Ezzahra Rihane<sup>1,2</sup> · Driss Erquibi<sup>3</sup> · Maryame Lamsisi<sup>2</sup> · Farid Chehab<sup>3</sup> · Moulay Mustapha Ennaji<sup>2</sup>

Accepted: 12 August 2021 / Published online: 19 August 2021 © Springer Science+Business Media, LLC, part of Springer Nature 2021

The Editor-in-Chief has retracted this article because it significantly overlaps with previously published articles [1–3].

Authors Maryame Lamsisi and Moulay Mustapha Ennaji agree to this retraction. Author Fatima Ezzahra Rihane has not explicitly stated whether they agree to this retraction. Authors Driss Erguibi and Farid Chehab have not responded to any correspondence from the editor or publisher about this retraction.

The online version of this article contains the full text of the retracted article as Supplementary Information.

**Supplementary Information** The online version contains supplementary material available at https://doi.org/10.1007/s12029-021-00691-1.

## References

- Rihane, F. E., Erguibi, D., Elyamine, O., Abumsimir, B., Ennaji, M. M., & Chehab, F. Helicobacter pylori co-infection with Epstein-Barr virus and the risk of developing gastric adenocarcinoma at an early age: Observational study infectious agents and cancer. Ann Med Surg. 2021;68:102651.
- Chan SH, Wu CW, Li AF, Chi CW, Lin WC. miR-21 microRNA expression in human gastric carcinomas and its clinical association. Anticancer Res. 2008 Mar-Apr;28(2A):907-11.
- Sun, H., Wang, P., Zhang, Q., He, X., Zai, G., Wang, X., ... & Sun, X. MicroRNA-21 expression is associated with the clinical features of patients with gastric carcinoma and affects the proliferation, invasion and migration of gastric cancer cells by regulating Noxa. Molecular medicine reports. 2016;13(3):2701-2707.

Service of Digestive Cancers Surgery and Liver Transplant, Department of Surgery, Ibn Rochd University Hospital Center, Faculty of Medicine & Pharmacy Casablanca, University Hassan II of Casablanca, Casablanca, Morocco



Moulay Mustapha Ennaji m.ennaji@yahoo.fr; my.ennaji@univh2m.ma

Laboratory of Genetic and Molecular Pathology, Faculty of Medicine & Pharmacy Casablanca, University Hassan II of Casablanca, Casablanca, Morocco

<sup>&</sup>lt;sup>2</sup> Laboratory of Virology, Microbiology, Quality, Biotechnologies/Ecotoxicology and Biodiversity, Faculty of Sciences & Technologies Mohammedia, University Hassan II of Casablanca, Casablanca, Morocco