



## ***Heart Regeneration: What can we learn from zebrafish?***

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### ***Abstract***

Zebrafish is widely becoming more and more useful model to study heart regeneration due to fast re-growing of both myocardial and epicardial cells. Therefore, the regenerative capacity and such genetic tractability in zebrafish encouraged scientists to use this model for their studies. The cheap supply of zebrafish for laboratories also add another reason to use zebrafish rather other animal models.

A new transgenic zebrafish line model added a new approach to understand the underlying signalling pathways requiring for cardiac regeneration. Therefore, this model also provided an extensive genetic fate map for cardiac cell arrangement during cardiac regeneration.

Here in this review, the attempt has been made to elucidate three major injury models in zebrafish and analysing how zebrafish model can potentially become a permanent solution for establishing a new platform for cardiac regenerative medicine



### ***Biography:***

Mohammadali has completed his MSc at the age of 25 years from University College London. He is currently studying medicine at European University Cyprus. His aim is to increase awareness about the potential capacities of fast-growing topics in regenerative heart researches

[32nd Annual Cardiologists Conference. August 24-25,2020.](https://cardiologists.insightconferences.com/abstract/2020/heart-regeneration-what-can-we-learn-from-zebrafish)

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