1. The Effects of Mechanical Preload on Transmural Differences in Mechano-Calcium-Electric Feedback in Single Cardiomyocytes: Experiments and Mathematical Models, Anastasia Khokhlova (Vasilyeva), Pavel Konovalov, Gentaro Iribe, Olga Solovyova and Leonid Katsnelson, Front. Physiol., 17 March 2020 |

https://doi.org/10.3389/fphys.2020.00171

https://www.frontiersin.org/articles/10.3389/fphys.2020.00171/full

2. Effects of simulated ischemia on the transmural differences in the Frank–Starling relationship in isolated mouse ventricular cardiomyocytes,

Anastasia Khokhlova, Gentaro Iribe, Yohei Yamaguchi, Keiji Naruse, Olga Solovyova, Progress in Biophysics and Molecular Biology, Volume 130, Part B, November 2017, Pages 323-332

https://www.sciencedirect.com/science/article/abs/pii/S0079610717300330

3. Transmural cellular heterogeneity in myocardial electromechanics Anastasia Khokhlova, Nathalie Balakina-Vikulova, Leonid Katsnelson, Gentaro Iribe & Olga Solovyova, The Journal of Physiological Sciences, 68, pages387–413 (2018),

https://jps.biomedcentral.com/articles/10.1007/s12576-017-0541-0

4. The effects of load on transmural differences in contraction of isolated mouse ventricular cardiomyocytes

Anastasia Khokhlova, Gentaro Iribe, Leonid Katsnelson, Keiji Naruse, Olga Solovyova, Journal of Molecular and Cellular Cardiology, Volume 114, January 2018, Pages 276-287 https://www.sciencedirect.com/science/article/abs/pii/S0022282817303577

5. The Effects of Mechanical Preload on Transmural Differences in Mechano-Calcium-Electric Feedback in Single Cardiomyocytes: Experiments and Mathematical Models Anastasia Khokhlova, Pavel Konovalov, Gentaro Iribe, Olga Solovyova and Leonid Katsnelson, Front. Physiol., 17 March 2020

https://www.frontiersin.org/articles/10.3389/fphys.2020.00171/full