

REFERENCES

- Bidault, G., Garcia, M., Capeau, J., Morichon, R., Vigouroux, C., & Béréziat, V. (2020). Progerin Expression Induces Inflammation, Oxidative Stress and Senescence in Human Coronary Endothelial Cells. *Cells*, 9(5), 1201. <https://doi.org/10.3390/cells9051201>
- Contreras, O., Rebolledo, D. L., Oyarzún, J. E., Olguín, H. C., & Brandan, E. (2016). Connective tissue cells expressing fibro/adipogenic progenitor markers increase under chronic damage: relevance in fibroblast-myofibroblast differentiation and skeletal muscle fibrosis. *Cell and tissue research*, 364(3), 647–660. <https://doi.org/10.1007/s00441-015-2343-0>
- Coppedè F. (2013). The epidemiology of premature aging and associated comorbidities. *Clinical interventions in aging*, 8, 1023–1032. <https://doi.org/10.2147/CIA.S37213>
- Danielsson, B. E., Peters, H. C., Bathula, K., Spear, L. M., Noll, N. A., Dahl, K. N., & Conway, D. E. (2022). Progerin-expressing endothelial cells are unable to adapt to shear stress. *Biophysical Journal*, 121(4), 620–628. <https://doi.org/10.1016/j.bpj.2022.01.004>
- Dubinska-Magiera, M., Zaremba-Czogalla, M. & Rzepecki, R. (2013). Muscle development, regeneration and laminopathies: how lamins or lamina-associated proteins can contribute to muscle development, regeneration and disease. *Cell and Molecular Life Sciences*, 70, 2713–2741. <https://doi.org/10.1007/s00018-012-1190-3>
- Frontera, W. R., & Ochala, J. (2015). Skeletal muscle: a brief review of structure and function. *Calcified tissue international*, 96(3), 183–195. <https://doi.org/10.1007/s00223-014-9915-y>
- Gordon, L. B., Shappell, H., Massaro, J., D'Agostino, R. B., Brazier, J., Campbell, S. E., Kleinman, M. E., & Kieran, M. W. (2018). Association of lonafarnib treatment vs no treatment with mortality rate in patients with Hutchinson-Gilford progeria syndrome. *JAMA - Journal of the American Medical Association*, 319(16), 1687–1695. <https://doi.org/10.1001/jama.2018.3264>

Gruenbaum, Y., & Foisner, R. (2015). Lamins: nuclear intermediate filament proteins with fundamental functions in nuclear mechanics and genome regulation. *Annual review of biochemistry*, 84, 131–164. <https://doi.org/10.1146/annurev-biochem-060614-034115>

Gruenbaum, Y., & Medalia, O. (2015). Lamins: the structure and protein complexes. *Current opinion in cell biology*, 32, 7–12. <https://doi.org/10.1016/j.ceb.2014.09.009>

Haun, C. T., Vann, C. G., Osburn, S. C., Mumford, P. W., Roberson, P. A., Romero, M. A., Fox, C. D., Johnson, C. A., Parry, H. A., Kavazis, A. N., Moon, J. R., Badisa, V. L. D., Mwashote, B. M., Ibeanusi, V., Young, K. C., & Roberts, M. D. (2019). Muscle fiber hypertrophy in response to 6 weeks of high-volume resistance training in trained young men is largely attributed to sarcoplasmic hypertrophy. *PloS one*, 14(6), e0215267. <https://doi.org/10.1371/journal.pone.0215267>

McClintock, D., Gordon, L. B., & Djabali, K. (2006). Hutchinson-Gilford progeria mutant lamin A primarily targets human vascular cells as detected by an anti-Lamin A G608G antibody. *Proceedings of the National Academy of Sciences of the United States of America*, 103(7), 2154–2159. <https://doi.org/10.1073/pnas.0511133103>

Mu, X., Tseng, C., Hambright, W. S., Matre, P., Lin, C. Y., Chanda, P., Chen, W., Gu, J., Ravuri, S., Cui, Y., Zhong, L., Cooke, J. P., Niedernhofer, L. J., Robbins, P. D., & Huard, J. (2020). Cytoskeleton stiffness regulates cellular senescence and innate immune response in Hutchinson–Gilford Progeria Syndrome. *Aging Cell*, 19(8), 1–16. <https://doi.org/10.1111/acel.13152>

Oshima, J., Martin, G. M., & Hisama, F. M. (2013). The Biological Basis of Aging: Implications for Medical Genetics. In *Emery and Rimoin's Principles and Practice of Medical Genetics* (Sixth Edition). Elsevier. <https://doi.org/10.1016/B978-0-12-383834-6.00022-7>

Putz, R., Pabst, R., & Tschachojan, V. (2021). *Sobotta Compendium of Human Anatomy*, Volume 2, Thorax, Abdomen, Pelvis, Lower Limb, Musculoskeletal System. Elsevier.

Skoczyńska, A., Budzisz, E., Dana, A., & Rotsztejn, H. (2015). New look at the role of progerin in skin aging. Przeglad menopauzalny = Menopause review, 14(1), 53–58. <https://doi.org/10.5114/pm.2015.49532>

Stephens, A. D., Liu, P. Z., Banigan, E. J., Almassalha, L. M., Backman, V., Adam, S. A., Goldman, R. D., & Marko, J. F. (2018). Chromatin histone modifications and rigidity affect nuclear morphology independent of lamins. *Molecular biology of the cell*, 29(2), 220–233.

<https://doi.org/10.1091/mbc.E17-06-0410>

Sun, S., Qin, W., Tang, X., Meng, Y., Hu, W., Zhang, S., Qian, M., Liu, Z., Cao, X., Pang, Q., Zhao, B., Wang, Z., Zhou, Z., & Liu, B. (2020). Vascular endothelium-targeted Sirt7 gene therapy rejuvenates blood vessels and extends life span in a Hutchinson-Gilford progeria model. *Science advances*, 6(8), eaay5556. <https://doi.org/10.1126/sciadv.aay5556>

Takahashi, K., Shiotani, H., Evangelidis, P. E., Sado, N., & Kawakami, Y. (2022). Three-dimensional architecture of human medial gastrocnemius fascicles *in vivo*: Regional variation and its dependence on muscle size. *Journal of anatomy*, 241(6), 1324–1335. <https://doi.org/10.1111/joa.13750>

Vidak, S., & Foisner, R. (2016). Molecular insights into the premature aging disease progeria. *Histochemistry and cell biology*, 145(4), 401–417. <https://doi.org/10.1007/s00418-016-1411-1>