

BIBLIOGRAFIA

Bibliografia. Biomechanica

Hong, Ya-Ya, Ting Kang, Meng-Qi Zhou, Jia-Yong Zhong, y Xue-Peng Chen. 2024. "Effect of Varying Auxiliaries on Maxillary Incisor Torque Control with Clear Aligners: A Finite Element Analysis." *American Journal of Orthodontics and Dentofacial Orthopedics* 166 (1): 50-60. DOI: [https://doi.org/10.1016/i.aiodo.2024.02.012](https://doi.org/10.1016/j.aiodo.2024.02.012)

Savignano, R., R. Valentino, A. V. Razionale, A. Michelotti, S. Barone, y V. D'Anto. 2019. "Biomechanical Effects of Different Auxiliary-Aligner Designs for the Extrusion of an Upper Central Incisor: A Finite Element Analysis." *Journal of Healthcare Engineering* 2019: 9687127. DOI: <https://doi.org/10.n55/2019/9687127>

Shen, C., T. H. Park, C.-H. Chung, y C. Li. 2024. "Molar Distalization by Clear Aligners with Sequential Distalization Protocol: A Systematic Review and Meta-Analysis." *Journal of Functional Biomaterials* 15: 137. DOI: <https://doi.org/10.3390/ifbl5060137>

Karsli, Nurver, Fazilet Yildirim, Arda Dingiloglu, y Omur Ozsoy. 2024. "Does the Trimline Extension and Attachment Size Affect Maxillary Arch Expansion in Clear Aligner Therapy? A Finite Element Study." *Australasian Orthodontic Journal* 40: 121-133. DOI: <https://doi.org/10.2478/aoi-2024-0014>

Cortona, Andrea, Gabriele Rossini, Simone Parrini, Andrea Deregibus, y Tommaso Castroflorio. 2020. "Clear Aligner Orthodontic Therapy of Rotated Mandibular Round-Shaped Teeth: A Finite Element Study." *Angle Orthodontist* 90 (2): 247-254. DOI: <https://doi.org/10.2319/020719-86.1>

Melsen, Birte, Paolo Maria Cattaneo, Michel Dalstra, y David Christian Kraft. 2007. "The Importance of Force Levels in Relation to Tooth Movement." *Seminars in Orthodontics* 13 (4).

DOI: <https://doi.org/10.1053/i.sodo.2007.08.004>

Elshazly, T. M., C. Bourauel, M. Aldesoki, et al. 2022.

"Computer-Aided Finite Element Model for Biomechanical Analysis of Orthodontic Aligners." *Clinical Oral Investigations* 27: 115-124. DOI:

<https://doi.org/10.1007/s00784-022-04692-7>

Li, Na, ChunJuan Wang, Min Yang, DingGen Chen, MingYuan Tang, DaoKun Li, ShengLei Qiu, Qi Chen, y Yi Feng. 2024. "Effects of Different Tooth Movement Patterns and Aligner Thicknesses on Maxillary Arch Expansion with Clear Aligners: A Three-Dimensional Finite Element Study." *Frontiers in Bioengineering and Biotechnology* 12.

DOI: <https://doi.org/10.3389/fbioe.2024.1424319>

Yurdakul, Z., y N. Karsli. 2024. "Evaluating Anchorage Loss in Upper Incisors During Distalization of Maxillary Posterior Teeth Using Clear Aligners in Adult Patients: A Prospective Randomized Study." *Korean Journal of Orthodontics* 54 (2): 117-127. DOI:

<https://doi.org/10.4041/kiod23.150>

Li, X., C. Ren, Z. Wang, P. Zhao, H. Wang, y Bai. 2016. "Changes in Force Associated with the Amount of Aligner Activation and Lingual Bodily Movement of the Maxillary Central Incisor." *Korean Journal of Orthodontics* 46: 65-72. DOI:

<https://doi.org/10.4041/kiod.2016.46.2.65>

Smith, J. M., T. Weir, A. Kaang, y M. Farella. 2022.

"Predictability of Lower Incisor Tip Using Clear Aligner Therapy." *Progress in Orthodontics* 23 (1): 37. DOI: <https://doi.org/10.1186/s40510-022-00433-4>

Elshazly, T. M., C. Bourauel, M. Aldesoki, D. Salvatori, A. Alhotan, L.

Keilig, y A. Ghoneima. 2024. "Effect of Attachment Configuration and Trim Line Design on the Force System of Orthodontic Aligners: A Finite Element Study on the Upper Central Incisor." *Orthodontics and Craniofacial Research*. Published online March 9, 2024. DOI: <https://doi.org/10.1111/ocr.12779>

Castroflorio, Tommaso, Alberto Sedran, Simone Parrini, Francesco Garino, Massimo Reverdito, Roberto Capuozzo, Simone Mutinelli, Simonas Grybauskas, Mindaugas Vaitiekunas, y Andrea Deregibus. 2023. "Predictability of Orthodontic Tooth Movement with Aligners: Effect of Treatment Design." *Progress in Orthodontics* 16;24(1):2. . DOI: <https://doi.org/10.1186/s40510-022-00453-0>

Al-Nadawi, Mays, Neal D. Kravitz, Ismaeel Hansa, Laith Makki, Donald J. Ferguson, y Nikhilesh R. Vaid. 2020. "Effect of Clear Aligner Wear Protocol on the Efficacy of Tooth Movement: A Randomized Clinical Trial." *The Angle Orthodontist*. 1;91(2):157-163. DOI: <https://doi.org/10.2319/071520-630.1>

D'Anto, V., T. Bocchino, C. Levate, R. Buono, A. Razionale, S. Barone, y R. Savignano. 2024. "Biomechanical Effects of Different Auxiliary-Aligner Designs on the Rotation of an Upper Canine: A Finite Element Analysis of a Specific Patient." *Applied Sciences* 14: 2308. DOI: <https://doi.org/10.3390/app14062308>

Eliades T, Eliades G. Intraoral ageing of aligners and attachments: Adverse effects on clinical efficiency and release of biologically-active compounds. *Korean J Orthod* 2024 54(4): 199-209 DOI: <https://doi.org/10.4041/kiod24.085>

Martinez-Lozano, David, David Castellanos-Andres, y Alberto-Jose Lopez-Jimenez. 2024. "Staging of Orthodontic Tooth Movement in Clear Aligner Treatment: Macro-Staging and Micro-Staging—A Narrative Review." *Applied Sciences* 14, no. 15: 6690. DOI: <https://doi.org/10.3390/appl4156690>

Bibliografía. Resinas directas

Giodice, G., B. Ludwig, E. Polishchuk, et al. 2024. "Effect of Post-Printing Curing Time on Cytotoxicity of Direct Printed Aligners: A Pilot Study." *Orthodontics and Craniofacial Research* 00: 1-6. DOI: <https://doi.org/10.1111/ocr.12819>

Willi, Andreas, Raphael Patcas, Sevasti-Kiriaki Zervou, Nearchos Panayi, Marc Schatzle, George Eliades, Anastasia Hiskia, y Theodore Eliades. 2023. "Leaching from a 3D-Printed Aligner Resin." *European Journal of Orthodontics* 45, no. 3 (June) DOI: <https://doi.org/10.1093/eio/ciac056>

Sayahpour, Babak, Spiros Zinelis, Georgios Polychronis, Theodore Eliades, Malcolm Goteni, Stefan Kopp, y Sara Eslami. 2024. "Effects of Intraoral Aging on Mechanical Properties of Directly Printed Aligners vs. Thermoformed Aligners: An In Vivo Prospective Investigation." *European Journal of Orthodontics* 46, no. 1 (January). DOI: <https://doi.org/10.1093/eio/ciad063>

Simunovic, L., S. Cekalovic Agovic, A. J. Marie, I. Bacic, E. Klaric, F. Uribe, y S. Mestrovic. 2024. "Color and Chemical Stability of 3D-Printed and Thermoformed Polyurethane-Based Aligners." *Polymers* 16: 1067. DOI: <https://doi.org/10.3390/polym16081067>

Mattle, M., S. Zinelis, G. Polychronis, O. Makou, N. Panayi, S. N. Papageorgiou, y T. Eliades. 2024. "Effect of Heat Treatment and Nitrogen Atmosphere During PostCuring on Mechanical Properties of 3D-Printed Orthodontic Aligners." *European Journal of Orthodontics* 46, no. 1 (January) DOI: <https://doi.org/10.1093/eio/ciad074>

- Panayi, Nearchos, Jung-Yeol Cha, y Ki Beom Kim. 2023. "3D Printed Aligners: Material Science, Workflow and Clinical Applications." *Seminars in Orthodontics* 29: 25-33. DOI: <https://doi.org/10.1053/i.sodo.2022.12.007>
- Lim, Jung-Hwa, Sang-Yub Lee, Hanna Gu, Gan Jin, y Jong-Eun Kim. 2022. "Evaluating Oxygen Shielding Effect Using Glycerin or Vacuum with Varying Temperature on 3D Printed Photopolymer in Post-Polymerization." *Journal of the Mechanical Behavior of Biomedical Materials* 130. DOI: <https://doi.org/10.1016/fimbbm.2022.105170>
- Migliorati, M., S. Drago, T. Castroflorio, P. Pesce, G. Battista, A. Campobasso, G. Gastaldi, F. F. Valvecchi, y A. D. Mari. 2024. "Accuracy of Orthodontic Movements with 3D Printed Aligners: A Prospective Observational Pilot Study." *Korean Journal of Orthodontics* 54: 160-170. DOI: <http://doi.org/10.4041/kiod23.268>
- Zinelis, S., N. Panayi, G. Polychronis, S. N. Papageorgiou, y T. Eliades. 2022. "Comparative Analysis of Mechanical Properties of Orthodontic Aligners Produced by Different Contemporary 3D Printers." *Orthodontic Craniofacial Research*. 2022 Aug;25(3):336-341 DOI: <https://doi.org/10.1111/ocr.12537>
- Lee, S. Y., H. Kim, H. J. Kim, et al. 2022. "Thermo-Mechanical Properties of 3D Printed Photocurable Shape Memory Resin for Clear Aligners." *Scientific Reports* 12(1):6246. DOI: <https://doi.org/10.1038/s41598-022-09831-4>

Jindal, Prashant, Mamta Juneja, Francesco Luke Siena, Divya Bajaj, y Philip Breedon. 2019. "Mechanical and Geometric Properties of Thermoformed and 3D Printed Clear Dental Aligners." *American Journal of Orthodontics and Dentofacial Orthopedics* 56(5):694-701. DOI: <https://doi.org/10.1016/j.aiodo.2019.05.012>

Hertan, E., J. McCray, B. Bankhead, et al. 2022. "Force Profile Assessment of Direct-Printed Aligners Versus Thermoformed Aligners and the Effects of Non-Engaged Surface Patterns." *Progress in Orthodontics* 23: 49. DOI: <https://doi.org/10.1186/s13051-022-00443-2>

Niu, Chenyang, Dongwen Li, Yujia Zhang, Yunkai Wang, Shangbo Ning, Gang Zhao, Zihui Ye, Yu Kong, y Donghong Yang. 2024. "Prospects for 3D-Printing of Clear Aligners—A Narrative Review." *Frontiers in Materials* 11 DOI: <https://doi.org/10.3389/fmats.2024.1438660>

Evidencia clínica

Viet, H., T. H. Lam, N. N. Phuc, N. Ngoc Lenh, y D. T. N. Thao. 2024. "Class II Correction and Crowding Treatment Using In-House Direct Printed Clear Aligners: A Literature Review and Case Report." *Cureus* 16 (7): e65024. DOI: <https://doi.org/10.7759/cureus.65024>