

- 1: Bow H, Zuckerman SL, Griffith B, Lewis S, McGruder C, Pruthi S, Parker SL. A 3D-Printed Simulator and Teaching Module for Placing S2-Alar-Iliac Screws. *Oper Neurosurg* (Hagerstown). 2019 Jun 24. pii: opz161. doi: 10.1093/ons/opz161. [Epub ahead of print] PubMed PMID: 31232434.
- 2: Clifton W, Nottmeier E, Damon A, Dove C, Chen SG, Pichelmann M. A Feasibility Study for the Production of Three-dimensional-printed Spine Models Using Simultaneously Extruded Thermoplastic Polymers. *Cureus*. 2019 Apr 12;11(4):e4440. doi: 10.7759/cureus.4440. PubMed PMID: 31205831; PubMed Central PMCID: PMC6561520.
- 3: Chen XL, Xie YF, Li JX, Wu W, Li GN, Hu HJ, Wang XY, Meng ZJ, Wen YF, Huang WH. Design and basic research on accuracy of a novel individualized three-dimensional printed navigation template in atlantoaxial pedicle screw placement. *PLoS One*. 2019 Apr 2;14(4):e0214460. doi: 10.1371/journal.pone.0214460. eCollection 2019. PubMed PMID: 30939170; PubMed Central PMCID: PMC6445410.
- 4: Kashyap A, Kadur S, Mishra A, Agarwal G, Meena A, Maini L. Cervical pedicle screw guiding jig, an innovative solution. *J Clin Orthop Trauma*. 2018 Jul-Sep;9(3):226-229. doi: 10.1016/j.jcot.2018.07.010. Epub 2018 Jul 17. Review. PubMed PMID: 30202153; PubMed Central PMCID: PMC6128793.
- 5: Garg B, Gupta M, Singh M, Kalyanasundaram D. Outcome and safety analysis of 3D-printed patient-specific pedicle screw jigs for complex spinal deformities: a comparative study. *Spine J*. 2019 Jan;19(1):56-64. doi: 10.1016/j.spinee.2018.05.001. Epub 2018 May 3. PubMed PMID: 29730456.
- 6: Alpizar-Aguirre A, Cabrera-Aldana EE, Rosales-Olivares LM, Zárate-Kalfópulos B, Gómez-Crespo S, Reyes-Sánchez AA. A new technique of pedicle screw placement with the use of sequential multilevel navigation templates based on patient-specific 3D CT reconstruction model: applicability in spine deformity. *Acta Ortop Mex*. 2017 Nov-Dec;31(6):312-318. PubMed PMID: 29641860.
- 7: Zhang G, Yu Z, Chen X, Chen X, Wu C, Lin Y, Huang W, Lin H. Accurate placement of cervical pedicle screws using 3D-printed navigational templates : An improved technique with continuous image registration. *Orthopade*. 2018 May;47(5):428-436. doi: 10.1007/s00132-017-3515-2. PubMed PMID: 29387914.
- 8: Guo F, Dai J, Zhang J, Ma Y, Zhu G, Shen J, Niu G. Individualized 3D printing navigation template for pedicle screw fixation in upper cervical spine. *PLoS One*. 2017 Feb 2;12(2):e0171509. doi: 10.1371/journal.pone.0171509. eCollection 2017. Erratum in: *PLoS One*. 2019 Feb 7;14(2):e0212213. PubMed PMID: 28152039; PubMed Central PMCID: PMC5289602.

From:

<https://neurosurgerywiki.com/wiki/> - **Neurosurgery Wiki**

Permanent link:

https://neurosurgerywiki.com/wiki/doku.php?id=pedicle_screw_3d_printing

Last update: **2024/06/07 02:55**

