

	<b>Asst.Prof. Dr. Siripattha patchanee</b>	
	PRESENT APPOINTMENT	
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	Research profile	Research Dentistry TU > <a href="#">Scopus</a> > Researcher ID > ORCID
	Research Theme	Thammasat University Research Unit in Mineralized Tissue Reconstruction
	Areas of Research Expertise	Orthodontics, Orthognathic surgery, Orthopedic growth modification, 3D surgical simulation, Medical and dental 3D technology

### Research funding

Proposal	funding	Amount	Year
Evaluation of the Pittsburgh sleep quality index in a group of orthodontic patients with different sagittal skeletal relationships	Thammasat University Research Fund	250,000	2025
Assessment of chin-throat length in Thammasat orthodontic patients with different sagittal skeletal relationships by cephalometric analysis	Dentistry Thammasat University Research Fund	250,000	2024

### Presentation of academic

Title	Presentation	funding	About	Year

### PUBLICATIONS

#### Scopus

1	<p><b><u>Effect of different post-processing conditions on the accuracy of liquid crystal display-printed orthognathic surgical splints</u></b></p> <p>Patchanee, S., Amornvit, P., Mortin, M., Chaiprakit, N.</p> <p><u>Heliyon</u>, 11(1), e41177</p> <p>2025</p>
2	<p><b><u>Comparison of the Cost Effectiveness of Orthognathic Surgery Treatment Between Orthodontic-first and Surgery-first Approaches in the Surgical Phase in Thammasat University Hospital</u></b></p> <p>Chatmongkhonkit, P., Oupadissakon, C., Patchanee, S., Chaiprakit, N.</p> <p><u>Oral Sciences Reports</u>, 45(2), pp. 28–37</p> <p>2024</p>
3	<p><b><u>Finite Element Analysis of Mandibular Advancement Comparing Hunsuck/Epker and a Novel Modification of the Low Z Plasty Technique of BSSO</u></b></p> <p>Boonlue, S., Patchanee, S., Inglam, S., Chaiprakit, N.</p> <p><u>Applied Sciences Switzerland</u>, 14(5), 1795</p>

	2024
4	<p><b><u>Comparison of stress distribution on articular disc between the Hunsuck/Epker and NM-Low Z plasty technique for mandibular setback procedure</u></b></p> <p>Sakyanun, C., Chaiprakit, N., Inglam, S., Patchanee, S.  <u>Science Engineering and Health Studies</u>, 18, 24050020                  2024</p>
5	<p><b><u>Evaluation of Skeletal Changes after Mandibular Setback Surgery Using the NM-Low Z Plasty Technique in Skeletal Class III Patients</u></b></p> <p>Imampai, S., Patchanee, S., Klaisiri, A., Chaiprakit, N.  <u>European Journal of Dentistry</u>, 17(2), pp. 381–386                  2023</p>
6	<p><b><u>Comparison of “Orthodontic First” and “Surgery First” Approaches to Quality of Life in Orthognathic Surgery Patients: A Prospective Cohort Study</u></b></p> <p>Thitiyuk, C., Patchanee, S., Klaisiri, A., Chaiprakit, N.  <u>Applied Sciences Switzerland</u>, 12(23), 12137                  2022</p>
7	<p><b><u>Finite element analysis between Hunsuck/Epker and novel modification of Low Z plasty technique of mandibular sagittal split osteotomy</u></b></p> <p>Dumrongwanich, O., Chantarapanich, N., Patchanee, S., Inglam, S., Chaiprakit, N.  <u>Proceedings of the Institution of Mechanical Engineers Part H Journal of Engineering in Medicine</u>, 236(5), pp. 646–655                  2022</p>
8	<p><b><u>Odontogenic Myxofibroma: A Case Report</u></b></p> <p>Thitiyuk, C., Patchanee, S., Chaiprakit, N.  <u>Journal of International Dental and Medical Research</u>, 15(2), pp. 820–823                  2022</p>
9	<p><b><u>A Surgeon-Friendly BSSO by the Novel Modification of Low Z Plasty: Approach Focus and Case Report: A Case Report</u></b></p> <p>Chaiprakit, N., Oupadissakoon, C., Klaisiri, A., Patchanee, S.  <u>Journal of International Dental and Medical Research</u>, 14(2), pp. 768–772                  2021</p>
10	<p><b><u>Titanium Mandibular Prosthesis with Condyle: A 3D Printing Reconstruction Model</u></b></p> <p>Chaiprakit, N., Patchanee, S., Oupadissakoon, C., Warin, K., Klaisiri, A.  <u>Journal of International Dental and Medical Research</u>, 14(1), pp. 340–343                  2021</p>

**TCI**