

	<b>Assoc.Prof.Kritsasith Warin</b>	
	PRESENT APPOINTMENT	
	Division	Oral and Maxillofacial Surgery Faculty of Dentistry Thammasat University
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	Research profile	Research Dentistry TU > <a href="#">Scopus</a> > Researcher ID > <a href="#">ORCID</a>
	Research Theme	Research Unit in Innovations in Periodontics, Oral Surgery and advanced technology in Implant Dentistry
	Areas of Research Expertise	ศัลยศาสตร์ช่องปากและแม็กซิลโลเฟเชียล

### Research funding

Proposal	funding	Amount	Year
การใช้ปัญญาประดิษฐ์รูปแบบการเรียนรู้เชิงลึกสำหรับการวิเคราะห์หรือยโรคในช่องปากในภาพผ่าขรังสีเอ็กซเรย์ระบบคอมพิวเตอร์สำหรับการตรวจคัดกรองมะเร็งช่องปาก	Thammasat University Research Fund	250,000	2024
Data mining analysis for factors related to oral cancer prognosis	Thammasat University Research Fund	250,000	2023
AI-assisted Web Application for Difficulty Level Evaluation in Impacted Lower Third Molar Extraction	Dentistry Thammasat University Research Fund	300,000	2023
Application of Deep Learning in Detection of Jaw Bone Fracture and Surgical Devices in Panoramic Radiographs	Thammasat University Research Fund	250,000	2022
Application of Deep Learning in Detection and Classification of Maxillofacial Fractures in Computerized Tomography Images	Dentistry Thammasat University Research Fund	300,000	2022
Application of Deep learning in diagnosis of Oral potentially malignant disorders and Oral cancer	Dentistry Thammasat University Research Fund	300,000	2021

### Presentation of academic

Title	Presentation	funding	About	Year
AI chatbot for post-operative oral surgery information and support	Poster presentation	Thammasat University Research Fund	The 20 <sup>th</sup> World Congress on Medical and Health Informatics (MEDINFO25) วันที่ 9-13 สิงหาคม 2568 ประเทศ ใต้หวัน	2025
ปัญญาประดิษฐ์รูปแบบการเรียนรู้เชิงลึกสำหรับการตรวจหารอยแตกหักที่กระดูกใบหน้าส่วนกลางในภาพผ่าขรังสีคอมพิวเตอร์ ( Deep learning for midfacial fracture detection in CT images)	Poster presentation	Thammasat University Research Fund	The 19th World Congress on Medical and Health Informatics (MEDINFO23) วันที่ 8-12 กรกฎาคม 2566 ประเทศออสเตรเลีย	2024

### PUBLICATIONS

#### Scopus

<p><b><u>1.</u></b></p>	<p><b><u>Deep convolutional neural network for automatic segmentation and classification of jaw tumors in contrast-enhanced computed tomography images</u></b></p> <p><u>Warin, K., Limprasert, W., Paipongna, T., Chaowchuen, S., Vicharueang, S.</u></p> <p><u>International Journal of Oral and Maxillofacial Surgery</u>, 54(4), pp. 374–382, 2025</p>
<p><b><u>2.</u></b></p>	<p><b><u>Prediction of Medication-Related Osteonecrosis of the Jaw in Patients Receiving Antiresorptive Therapy Using Machine Learning Models</u></b></p> <p><u>Warin, K., Lochanachit, S., Pavarangkoon, P., Techapanurak, E., Somyanonthanakul, R.</u></p> <p><u>Journal of Oral and Maxillofacial Surgery</u>, 83(3), pp. 353–365, 2025</p>
<p><b><u>3.</u></b></p>	<p><b><u>Deep Learning for Predicting the Difficulty Level of Removing the Impacted Mandibular Third Molar</u></b></p> <p><u>Trachoo, V., Taetragool, U., Pianchoopat, P., ... Morakrant, N., Warin, K.</u></p> <p><u>International Dental Journal</u>, 75(1), pp. 144–150, 2025</p>
<p><b><u>4.</u></b></p>	<p><b><u>Response to the comment on “Deep convolutional neural network for automatic segmentation and classification of jaw tumors in contrast-enhanced computed tomography images”</u></b></p> <p><u>Warin, K., Limprasert, W., Paipongna, T., Chaowchuen, S., Vicharueang, S.</u></p> <p><u>International Journal of Oral and Maxillofacial Surgery</u>, 2025</p>
<p><b><u>5.</u></b></p>	<p><b><u>Deep learning in oral cancer- a systematic review</u></b></p> <p><u>Warin, K., Suebnukarn, S.</u></p> <p><u>BMC Oral Health</u>, 24(1), 212, 2024</p>
<p><b><u>6.</u></b></p>	<p><b><u>Survival estimation of oral cancer using fuzzy deep learning</u></b></p> <p><u>Somyanonthanakul, R., Warin, K., Suebnukarn, S., ... Jinaporntham, S., Panichkitkosolkul, W.</u></p> <p><u>BMC Oral Health</u>, 24(1), 519, 2024</p>

<p><u>7.</u></p>	<p><b><u>Precise Identification of Oral Cancer Lesions Using Artificial Intelligence</u></b></p> <p><u>Wuttisarnwattana, P., Theppitak, S., Wongsapai, M., ... Suebnukarn, S., Thanathornwong, B.</u></p> <p><u>Studies in Health Technology and Informatics</u>, 316, pp. 1096–1097,2024</p>
<p><u>8.</u></p>	<p><b><u>Temporomandibular Joint Disorders Multi-Class Classification Using Deep Learning</u></b></p> <p><u>Thanathornwong, B., Treebupachatsakul, T., Teechot, T., ... Warin, K., Suebnukarn, S.</u></p> <p><u>Studies in Health Technology and Informatics</u>, 310, pp. 1495–1496, 2024</p>
<p><u>9.</u></p>	<p><b><u>Deep Learning for Midfacial Fracture Detection in CT Images</u></b></p> <p><u>Warin, K., Suebnukarn, S., Vicharueang, S., ... Limprasert, W., Thanathornwong, B.</u></p> <p><u>Studies in Health Technology and Informatics</u>, 310, pp. 1497–1498, 2024</p>
<p><u>10.</u></p>	<p><b><u>The Discovery of Oral Cancer Prognostic Factor Ranking Using Association Rule Mining</u></b></p> <p><u>Chaowchuen, S., Warin, K., Suebnukarn, S., Somyanonthanakul, R., Panichkitkosolkul, W.</u></p> <p><u>European Journal of Dentistry</u>, 2024</p>
<p><u>11.</u></p>	<p><b><u>Maxillofacial fracture detection and classification in computed tomography images using convolutional neural network-based models</u></b></p> <p><u>Warin, K., Suebnukarn, S., Limprasert, W., ... Jantana, P., Vicharueang, S.</u></p> <p><u>Scientific Reports</u>, 13(1), 3434, 2023</p>
<p><u>12.</u></p>	<p><b><u>Automatic Oral View Classification in the Photographic Images</u></b></p> <p><u>Wongsapai, M., Wudtijureepun, K., Ittichaicharoen, J., ... Jaidee, E., Wuttisarnwattana, P.</u></p> <p>27th International Computer Science and Engineering Conference 2023 Isec 2023,pp.15–20, 2023</p>

<p><b>13.</b></p>	<p><b><u>Oral Tissue Detection in Photographic Images Using Deep Learning Technology</u></b></p> <p><u>Wongsapai, M., Suthachai, T., Ittichaicharoen, J., ... Theppitak, S., Wuttisarnwattana, P.</u></p> <p>27th International Computer Science and Engineering Conference 2023 Isec 2023,pp. 21–27, 2023</p>
<p><b>14</b></p>	<p><b><u>Forecasting COVID-19 cases using time series modeling and association rule mining</u></b></p> <p><u>Somyanonthanakul, R., Warin, K., Amasiri, W., ... Nitikraipot, S., Suebnukarn, S.</u></p> <p><u>BMC Medical Research Methodology, 22(1), 281, 2022</u></p>
<p><b>15.</b></p>	<p><b><u>Assessment of deep convolutional neural network models for mandibular fracture detection in panoramic radiographs</u></b></p> <p><u>Warin, K., Suebnukarn, S., Inglam, S., ... Jantana, P., Vicharueang, S.</u></p> <p><u>International Journal of Oral and Maxillofacial Surgery, 51(11), pp. 1488–1494, 2022</u></p>
<p><b>16.</b></p>	<p><b><u>AI-based analysis of oral lesions using novel deep convolutional neural networks for early detection of oral cancer</u></b></p> <p><u>Warin, K., Suebnukarn, S., Limprasert, W., ... Jantana, P., Vicharueang, S.</u></p> <p><u>Plos One, 17(8 August), e0273508, 2022</u></p>
<p><b>17.</b></p>	<p><b><u>Performance of deep convolutional neural network for classification and detection of oral potentially malignant disorders in photographic images</u></b></p> <p><u>Warin, K., Suebnukarn, S., Limprasert, W., Jinaporntham, S, Jantana, P.</u></p> <p><u>International Journal of Oral and Maxillofacial Surgery, 51(5), pp. 699–704, 2022</u></p>

<p><b>18.</b></p>	<p><b><u>Analysis of characteristics and clinical outcomes for crisis management during the four waves of the covid-19 pandemic</u></b></p> <p><u>Amasiri, W., Warin, K., Mairiang, K., ... Nitikraipot, S., Suebnukarn, S.</u></p> <p><u>International Journal of Environmental Research and Public Health</u>, 18(23), 12633, 2021</p>
<p><b>19.</b></p>	<p><b><u>A Large Oral Melanoma: A Case Report of a Rare but Aggressive Malignancy</u></b></p> <p><u>Warin, K., Klanrit, P., Pattanajakr, N.</u></p> <p><u>European Journal of Dentistry</u>, 15(4), pp. 812–816, 2021</p>
<p><b>20.</b></p>	<p><b><u>Automatic classification and detection of oral cancer in photographic images using deep learning algorithms</u></b></p> <p><u>Warin, K., Limprasert, W., Suebnukarn, S., Jinaporntham,S,Jantana, P.</u></p> <p><u>Journal of Oral Pathology and Medicine</u>, 50(9), pp. 911–918, 2021</p>
<p><b>21.</b></p>	<p><b><u>Titanium Mandibular Prosthesis with Condyle: A 3D Printing Reconstruction Model</u></b></p> <p><u>Chaiprakit, N., Oupadissakoon, C., Warin, K., Patchanee, S., Klaisiri, A</u></p> <p><u>Journal of International Dental and Medical Research</u>, 14(1), pp. 340–343, 2021</p>

**TCI**

<p>1</p>	<p>Correlation between clinical and pathologic features of oral squamous cell carcinoma and 5-year survival rate: a retrospective study  <i>Kritsath Warin, Sutin Jiraporntham</i>  <u>Thai Journal of Oral and Maxillofacial Surgery</u> Volume 35, Issue 1, 2021, pp. 40-52</p>
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