

## 張志涵教授近三年研究成果截錄

### 期刊/學報論文

1. Tu DG, Chen HY, Yao WJ, Hung YS, Chang YK, Chang CH, Wang YW. Verification of the Efficacy of New Diagnostic Criteria for Retropharyngeal Nodes in a Cohort of Nasopharyngeal Carcinoma Patients. *International Journal of Medical Sciences*. 2021 ; 18(15):3463-3469.
2. Chang HC; Chang CH; Li HY; Wang CH. Biomechanical analysis of the press-fit effect in a conical Morse taper implant system by using an in vitro experimental test and finite element analysis. 2020; S0022-3913(20)30693-4
3. Chang CW; Chen CH; Li CT; Chen YN; Yang TH; Chang CJ; Chang CH. Role of an additional third screw in the fixation of transverse patellar fracture with two parallel cannulated screw and anterior wire. *BMC Musculoskeletal Disorders*. 2020; 21(1):752
4. Chang CW, Chung YH, Chang CJ, Chen YN, Li CT, Chang CH, Peng YT. Computational comparison of bone cement and poly aryl-ether-ether-ketone spacer in single-segment posterior lumbar interbody fusion: a pilot study. *Australas Phys Eng Sci Med*. 2020; 163-173
5. Chang CW; Chen YN; Li CT; Chung CR; Chang CH; Peng YT. Finite element study of the effects of fragment shape and screw configuration on the mechanical behavior of tibial tubercle osteotomy. *Journal of Orthopaedic Surgery*. 27(3):2309499019861145 2019
6. Chen YN; Chang CW; Li CT; Chen CH; Chung CR; Chang CH; Peng YT. Biomechanical investigation of the type and configuration of screws used in high tibial osteotomy with titanium locking plate and screw fixation. *Journal of Orthopaedic Surgery*. 14(1):35, 2019
7. Chen CH; Chen YN; Li CT; Chang CW; Chang CH; Peng YT. Roles of the screw types, proximity and anterior band wiring in the surgical fixation of transverse patellar fractures: a finite element investigation. *BMC Musculoskeletal Disorders*. 20(1):99 2019
8. Wu HF; Chang CH; Wang GJ; Lai KA; Chen CH. Biomechanical investigation of dynamic hip screw and wire fixation on an unstable intertrochanteric fracture. *Biomedical Engineering Online*. 18(1):49, 2019
9. Chen YN; Chang CW; Chang CH; Chung CR; Li CT; Peng YT. Gap between the fragment and the tibia affects the stability of tibial tubercle osteotomy: A finite element study. *Medical Engineering & Physics*. 68:57-64 2019
10. Chang HC; Li HY; Chen YN; Chang CH; Wang CH. Mechanical analysis of a dental implant system under 3 contact conditions and with 2 mechanical factors. *Journal of Prosthetic Dentistry*. 122(4):376-382 2019

### 研究計畫()

1. 高階生醫影像及臨床 AI 加值之產業創新應用聯盟(1/3) 2022/02/01 ~ 2023/01/31 科技部 主持人
2. 生醫與醫材轉譯加值人才培訓-ANCHOR UNIVERSITY 計畫(NCKU) 2021/08/01 ~ 2022/07/31 科技部 共同主持人
3. 鎖固式骨板對於踝關節三踝骨折固定之生物力學分析與探討 2021/08/01 ~ 2023/07/31 科技部 主持人
4. 具軟硬組織高對比之低劑量單發雙能頭部 CBCT 系統研發與測試場域建置(1/2) 2021/06/01 ~ 2022/05/31 科技部 共同主持人

5. 產業高階人才培訓計畫 2021/05/01 ~ 2022/04/30 科技部 主持人
6. 國際巨分子與奈米醫學創新研發平台 2020/05/01 ~ 2021/04/30 科技部 共同主持人
7. 生醫與醫材轉譯增值人才培訓-ANCHOR UNIVERSITY 計畫(NCKU) 2020/08/01 ~ 2021/07/31 科技部 共同主持人
8. 國際共同研究暨培訓型合作活動計畫-2020 產業未來展望與經濟發展國際培訓課程 2020/06/01 ~2021/12/31 科技部 共同主持人
9. 彈性髓內釘於脛骨骨幹骨折固定之靜態與動態穩定度分析與評估 2020/03/01 ~ 2022/07/31 科技部 共同主持人
10. 重點產業高階人才培訓與就業計畫 2020/01/01 ~ 2020/12/31 科技部 主持人
11. 鎂合金腐蝕行為與力學性質之實驗和計算分析 2019/08/01 ~ 2021/07/31 科技部 主持人
12. 重點產業高階人才培訓與就業計畫 2019/01/01 ~ 2019/12/31 科技部 主持人