

Literatura

1. E. Spiechowicz, *Protetyka stomatologiczna*, PZWL, Warszawa, 2008.
2. L. Hupfaut, *Protetyka stomatologiczna. Protezy całkowite*, wyd. 1, Urban and Partner, Wrocław, 1994.
3. S. Majewski, *Podstawy protetyki w praktyce lekarskiej i technice dentystycznej*, Wydawnictwo Stomatologiczne SZS-W, Kraków, 2000.
4. M. Wojda, M. Grzelak, E. Piechowicz, E. Mierzwińska-Nastalska, Ocena wyników leczenia pacjentów z zastosowaniem akrylowych protez ruchomych prowadzonego w ramach Narodowego Funduszu Zdrowia, *Protetyka Stomatologiczna LX/1* (2010) 28-36.
5. E. Mierzwińska-Nastalska, Zasady użytkowania, czyszczenia i pielęgnacji protez całkowitych, *Protetyka Stomatologiczna LXI/4* (2011) 293-303.
6. T. Godlewski, M. Golecka, K. Rusiniak-Kubik, E. Mierzwińska-Nastalska, Problemy rehabilitacji protetycznej związane z nowymi formami rozwiązań systemowych w służbie zdrowia i współpracą z kasami chorych, *Protetyka Stomatologiczna LII/3* (2002) 167-172.
7. Z. Raszewski, *Nowe spojrzenie na tworzywa akrylowe*, Elamed, Katowice, 2009.
8. Y.D. Zhang, Z.F. Zhao, P.J. Lu, Y. Wang, R.J. Song, J.L. Lu, Robotic system approach for complete denture manufacturing, *IEEE/ASME Transactions on Mechatronics* 7/3 (2002) 392-396.
9. M. Busch, B. Kordass, Concept and development of a computerized positioning of prosthetic teeth for complete dentures. *International Journal of Computerized Dentistry* 9/2 (2006) 113-120.
10. E. Mierzwińska-Nastalska, Diagnostyka układu ruchowego narządu żucia. Zasady rekonstrukcji zwarcia, wyd. 1, Med Tour Pres International, Warszawa, 2009.
11. C. Xiaojun, L. Rubo, L. Eryi, W. Chengtao, A computerized simulation system of mandibular movement on Hanau articulator, *Proceedings of the IEEE Conference "Engineering in Medicine and Biology Society"*, 2005, vol. 5, 5136-5139.
12. B. Burzyńska, E. Mierzwińska-Nastalska, Stan jamy ustnej pacjentów chorych na cukrzycę, *Dental and Medical Problems* 48/3 (2011) 412-416.
13. H. Sondermann, A. Sobolewska, Badania niewydolności czynnościowej protez i ich użytkowej przydatności, *Dental Forum XXXVIII/1* (2010) 19-26.
14. F. Kawano, K. Nagao, S. Inoue, N. Matsumoto, Influence of the buccolingual position of artificial posterior teeth on the pressure distribution on the supporting tissue under a complete denture, *Journal of Oral Rehabilitation* 23/7 (1996) 456-463.
15. E. Mierzwińska-Nastalska, M. Jaworska, Ł. Łomżyński, Wpływ czynników ogólnoustrojowych na wyniki leczenia implantoprotetycznego, *Protetyka Stomatologiczna LVII/6* (2007) 391-396.
16. P.E. Petersen, The World Oral Health Report 2003: continuous improvement of oral health in the 21st century -the approach of the WHO Global Oral Health Programme, *Community Dentistry and Oral Epidemiology* 31/Suppl 1 (2003) 3-23.
17. F. Muller, M. Naharro, G.E. Carlsson, What are the prevalence and incidence of tooth loss in the adult and elderly population in Europe?, *Clinical Oral Implants Research* 18 (2007) 2-14.
18. R. Będziński, *Biomechanika inżynierska. Zagadnienia wybrane*, Oficyna Wydawnicza Politechniki Wrocławskiej, Wrocław, 1997.
19. R. Będziński, J. Filipiak, Experimental analysis of external fixators for femoral bone elongation, *Acta of Bioengineering and Biomechanics* 1/2 (1999) 93-106.
20. A. Ostrowska, A. Mazurkiewicz, R. Będziński, K. Ściagała, The investigations of mechanical and histomorphometric properties of human femur cancellous bone, *Biomaterials Engineering* 47/53 (2005) 78-80.
21. L.A. Dobrzański, *Metaloznawstwo opisowe stopów metali nieżelaznych*, Wydawnictwo Politechniki Śląskiej, Gliwice, 2008.
22. J. Chłopek, *Kompozyty w medycynie*, *Kompozyty* 1/1 (2001) 50-54.
23. J.R. Dąbrowski, Z. Oksiuta, Porowaty materiał implantacyjny z proszku stopu Vitalium, *Inżynieria Materiałowa* 4 (2000) 174-179.

24. J.R. Dąbrowski, J. Sterna, J. Sidun, S. Piszczatowski, Porowate kompozyty ceramiczno-metaliczne na bazie stopu Co-Cr-Mo - potencjalne biomateriały na implanty kostne, *Kompozyty* 2/4 (2002) 167-180.
25. M. Pawińska, A. Kierklo, J.R. Dąbrowski, Ocena szczelności wypełnienia kanałów korzeniowych Resilonem – badania wstępne w elektronowym mikroskopie skaningowym, *Czasopismo Stomatologiczne* LIX/5 (2006) 307-314.
26. M. Gradzka-Dahlke, J.R. Dąbrowski, B. Dąbrowski, An overview on the usage of the powder metallurgy method for surgical implants production, *Journal of Vibroengineering* 8/2 (2006) 11-16.
27. G. Milewski, Wytrzymałościowe aspekty interakcji biomechanicznej tkanka twarda – implant w stomatologii, *Rozprawa habilitacyjna, Zeszyty Naukowe Politechniki Krakowskiej, seria Mechanika* nr 89, Kraków, 2002.
28. T. Lekszycki, Wybrane zagadnienia modelowania w biomechanice kości, *Prace IPPT PAN*, Warszawa, 2007.
29. E. Mitura, S. Mitura, A. Jakubowski, J. Szmidt, A. Sokołowska, P. Louda, J. Marciniak, Diamond-like carbon coatings for biomedical application, *Diamond and Related Materials* 3 (1994) 896.
30. B. Płonka, P. Bohater, B. Nawrot, A. Sobolewska, Ocena kliniczna licowania protez stałych kompozytem Visio-Gem w systemie Rocotec, *Protetyka Stomatologiczna* 47/5 (1997) 264-268.
31. E. Mierzwińska-Nastalska, Ł. Łomżyński, D. Mateńko, P. Stendera, J. Oksiński, Leczenie implantoprotetyczne z wykorzystaniem wykonywanych stereolitograficznie szablonów chirurgicznych, *Protetyka Stomatologiczna* LVI/4 (2006) 288-294.
32. B. Dejak, M. Kacprzak, B. Suliborski, B. Śmielak, Struktura i niektóre właściwości ceramik dentystycznych stosowanych w uzupełnieniach pełnoceramicznych w świetle literatury, *Protetyka Stomatologiczna* LVI/6 (2006) 471-477.
33. K. Lasek, P. Okoński, E. Mierzwińska-Nastalska, Tlenek cyrkonu – właściwości fizyczne i zastosowanie kliniczne, *Protetyka Stomatologiczna* LIX/6 (2009) 415-422.
34. B. Dejak, Ocena wyteżenia i szczelności różnych uzupełnień koronowych w zębach trzonowych podczas symulacji żucia, *Wydawnictwo Uniwersytetu Medycznego w Łodzi, Łódź*, 2008.
35. W. Chladek, System modelowania wybranych stanów mechanicznych żuchwy ludzkiej, *Zeszyty Naukowe Politechniki Śląskiej, Hutnictwo* Nr 59, *Wydawnictwo Politechniki Śląskiej, Gliwice*, 2000.
36. W. Chladek, *Biomechanika inżynierska narządu żucia. Zagadnienie wybrane*, *Wydawnictwo Politechniki Śląskiej, Gliwice*, 2008.
37. A. Słószarczyk, Biomateriały ceramiczne, w: *Biomateriały*, red: S. Błażewicz, L. Stoch; *Biocybernetyka i inżynieria biomedyczna 2000 / pod red. Macieja Nałęcza; t. 4*, PAN-Warszawa: *Akademicka Oficyna Wydawnicza EXIT*, 2003, 99-156.
38. J. Mystkowska, J.R. Dąbrowski, Charakterystyki tribologiczne układu kinematycznego zęb – materiał kompozytowy na stałe wypełnienia stomatologiczne, *Eksplatacja i Niezawodność* 3 (2010) 4-9.
39. E. Sajewicz, Effect of saliva viscosity on tribological behaviour of tooth enamel, *Tribology International* 42/2 (2009) 327-332.
40. A. Chwalibog, E. Sawosz, A. Hotowy, J. Szeliga, S. Mitura, K. Mitura, M. Grodzik, P. Orłowski, A. Sokołowska, Visualization of interaction between inorganic nanoparticles and bacteria or fungi, *Journal of Nanoscience and Nanotechnology* 6/5 (2010) 1085-1094.
41. E. Sawosz, A. Chwalibog, K. Mitura, S. Mitura, J. Szeliga, T. Niemiec, M. Rupiewicz, M. Grodzik, A. Sokołowska, Visualisation of morphological interaction of diamond and silver nanoparticles with *Salmonella* Enteritidis and *Listeria monocytogenes*, *Journal of Nanoscience and Nanotechnology* 11/9 (2011) 7635-7641.
42. A. Kaczorowska, M. Szczęśna- Antczak, T. Antczak, S. Bielecki, W. Kaczorowski, P. Niedzielski, S. Mitura, An influence of microbial viable cells on diamond-like carbon films, *Nanodiam*, PWN, Warszawa, 2006, 99-116.
43. D. Sokołowski, M. Łukomska-Szymańska, Zastosowanie powłok ochronnych do poprawy właściwości biologicznych stopów dentystycznych. Metody modyfikacji powierzchni tytanu w celu podwyższenia jego bioaktywności i odporności korozyjnej, *Praca zbiorowa pod red. W. Chladek i J. Kaspeki, Biomateriały i Mechanika w stomatologii – eksperyment naukowy*, *Polskie Towarzystwo Inżynierii Medycznej, Zabrze*, 2010, 165-189.

44. K. Sokołowski, M.I. Szykowska, M. Łukomska-Szymańska, A. Pawlaczyk, A. Sobczak, M. Banach, J. Sokołowski, Ocena ilości jonów metali uwalnianych z cementu żywicznego modyfikowanego nanosrebrem oraz jego wytrzymałości mechanicznej, *Materiały XI Konferencji „Biomateriały i Mechanika w Stomatologii”*, Ustroń, 2011, 66.
45. G. Chladek, A. Mertas, I. Barszczewska-Rybarek, T. Nalewajek, J. Zmudzki, W. Król, J. Lukaszczuk, Antifungal activity of denture soft lining material modified by silver nanoparticles—a pilot study, *International Journal of Molecular Science* 12/7 (2011) 4735-4744.
46. M. Łukomska-Szymańska, M. Cajdler, L. Klimek, J. Sokołowski, Badanie adhezji bakterii do stopu kobaltowo-chromowego pokrytego warstwą węgla nanokrystalicznego, *Dental and Medical Problems* 46/4 (2009) 424-430.
47. E. Spiechowicz, E. Mierzwińska-Nastalska, Grzybice jamy ustnej, *Wydawnictwo Medyczne Med Tour Press International*, Warszawa, 1998.
48. J. Jasiński, L. Jeziorski, K. Mendzik, M. Tatar, M. Szota, Charakterystyka warstwy tlenkowej uzyskanej na tytanie stosowanym w medycynie, *Inżynieria Materiałowa* 3-4/28 (2007) 643-646.
49. K. Sadurski, L. Jeziorski, Warstwa wierzchnia stopów tytanu OT4-1 i WT22 po azotowaniu w wyładowaniu jarzeniowym, *Inżynieria Materiałowa* 5/23 (2002) 230-234.
50. J. Sokołowski, P. Brzeziński, A. Godlewski, M. Łukomska-Szymańska, Wpływ powłok azotku tytanu na reakcję tkanki łącznej wokół implantów metalicznych ze stopów NiCr i AgPd. Badania doświadczalne na zwierzętach, *Protetyka Stomatologiczna* 3 (2008) 163-170.
51. J. Sokołowski, Ocena przydatności ochronnych powłok azotku tytanu wytworzonych na metalowych elementach uzupełnień protetycznych, *Rozprawa habilitacyjna*, Akademia Medyczna w Łodzi, 2001.
52. J. Krzak-Roś, J. Filipiak, C. Pezowicz, A. Baszczuk, M. Miller, M. Kowalski, R. Bedziński, The effect of substrate roughness on the surface structure of TiO₂, SiO₂, and doped thin films prepared by the sol-gel method, *Acta of Bioengineering and Biomechanics* 11/2 (2009) 21-29.
53. J. Sokołowski, D. Rylska, M. Pers, L. Klimek, Wpływ powłoki Al₂O₃, nanoszonej metodą sol-żel, na odporność korozyjną stopu Wirobond C, *Protetyka Stomatologiczna* LV/5 (2005) 368-373.
54. B. Pietrzyk, L. Klimek, J. Sokołowski, Ocena zachowania dwuwarstwowych powłok Al₂O₃-TiO₂ nakładanych metodą sol-gel na podłoża Ni-Cr-Mo w środowisku sztucznych płynów ustrojowych, *Inżynieria Biomateriałów* 5/21 (2002) 22-26.
55. J. Chłopek, A. Morawska-Chochół, Kompozyty z polimerów resorbowalnych przeznaczone dla chirurgii kostnej, *Kompozyty* 9/4 (2009) 312-316.
56. S. Błażewicz, J. Chłopek, M. Błażewicz, E. Pamuła, *Biomateriały węglowe i kompozytowe*, w: *Biomateriały*, red. tomu: S. Błażewicz, L. Stoch, *Biocybernetyka i inżynieria biomedyczna 2000* pod red. M. Nałęcza; t. 4, *Akademicka Oficyna Wydawnicza EXIT, PAN*, Warszawa, 2003, 331-423.
57. T. Cieślik, M. Adwent, J. Chłopek, A. Morawska-Chochół, M. Cieślik, J. Majcherczyk, Ocena wpływu kompozytów P(LLA/GA) z włóknami węglowymi oraz P(LLA/GA) z fosforanem trójwapniowym na proces gojenia tkanki kostnej - badania in vivo na podstawie wybranych parametrów, *Inżynieria Biomateriałów* 81-84 (2008) 21-24.
58. I. Kotela, J. Podporska, E. Soltysiak, K.J. Konsztowicz, M. Błażewicz, Polymer nanocomposites for bone tissue substitutes, *Ceramics International* 35 (2009) 2475-2480.
59. J. Chłopek, P. Rosół, A. Morawska-Chochół, Degradation of composite implants determined in creep tests, *Advances in Materials Science* 2/12 (2007) 92-97.
60. J. Buczyńska, E. Pamuła, S. Błażewicz, Mechanical properties of (poly(L-lactide-co-glycolide))-based fibers coated with hydroxyapatite layer, *Journal of Applied Polymer Science* 121/6 (2011) 3702-3709.
61. D. Pijocha, J. Czechowska, M.M. Bućko, Z. Paszkiewicz, A. Ślósarczyk, Mikrostruktura, skład fazowy i wytrzymałość mechaniczna nowych substytutów kostnych opartych na hydroksyapatycie, fosforanie magnezu i siarczanie (VI) wapnia, *Materiały Ceramiczne* 63/4 (2011) 773-778.
62. K. Niedzielski, M. Synder, S. Mazurkiewicz, M. Łączka, K. Cholewa-Kowalska, R. Koktycz, Badania biomechaniczne nowej generacji ceramiki Sz2 jako materiałów kościostępujących stosowanych w wypełnieniu ubytków kostnych wytworzonych doświadczalnie, *Inżynieria Biomateriałów* 6/28 (2003) 8-12.

63. K. Bakowicz-Mitura, G. Bartosz, S. Mitura, Influence of diamond powder particles on human gene expression, *Surface and Coatings Technology* 201/13 (2007) 6131-6135.
64. J. Mystkowska, G. Rokicki, J. Sidun, J.R. Dąbrowski, Mechanical and physicochemical properties of some originally made composite materials for dental fillings, *Solid State Phenomena* 165 (2010) 142-146.
65. B. Lapińska, M.I. Szykowska, K. Sokołowski, D. Rylska, J. Sokołowski, Wpływ sposobu przygotowania powierzchni ceramiki krzemionkowej na wytrzymałość połączenia z materiałem kompozytowym, *Inżynieria Materiałowa* 31/4 (2010) 1074-1076.
66. J. Sokołowska, N. Masre, M. Domarecka, J. Sokołowski, Wpływ temperatury polimeryzacji na wytrzymałość materiałów kompozytowych, *Dental and Medical Problems* 47/2 (2010) 153-159.
67. J. Szmidt, Applications of diamond and diamond layers in electronics – state of the art, research and development trends, Chapter 5 in S. Mitura, P. Niedzielski, B. Walkowiak (Eds.), *Nanodiam – New technologies for medical applications: studying and production of carbon surfaces allowing for controllable bioactivity*, Wydawnictwo Naukowe PWN, 2006, 47-67.
68. K. Skalski, M. Pawlikowski, A. Ślósarczyk, M. Mikoś, Badanie pokrycia hydroksyapatytowego na podłożu metalicznym dla celów inżynierii ortopedycznej, *Materiały XVII konferencji naukowej „Biomechanika 2001”*, Gliwice–Zakopane, 2001, *Acta of Bioengineering and Biomechanics* 3/2 (2001) 477-482.
69. J. Mystkowska, J.R. Dąbrowski, The influence of selected powder fillers on the tribological properties of composite materials for dental fillings, *Solid State Phenomena* 144 (2009) 33-38.
70. J. Mystkowska, J.R. Dąbrowski, The influence of friction process on the structure of composite materials for dental fillings, *Engineering of Biomaterials* 69-72 (2007) 26-29.
71. E. Sajewicz, On evaluation of wear resistance of tooth enamel and dental materials, *Wear* 260 (2006) 1256-1261.
72. J. Kleczewska, J. Sokołowski, D.M. Bieliński, L. Klimek, Wpływ morfologii warstwy wierzchniej na zużycie ściernie polimerowych materiałów dentystycznych, *Inżynieria Materiałowa* 28/6 (2007) 930-934.
73. F. Cosmi, Morphology-based prediction of elastic properties of trabecular bone samples, *Acta of Bioengineering and Biomechanics* 11/1 (2009) 3-9.
74. G. Baranowski, W. Popowski, E. Gawor, Badanie ruchomości zębów po zabiegach resekcji wierzchołków korzeni z wykorzystaniem aparatu Periotest, *Implantoprotetyka* VII/3 (2006) 33-37.
75. T. Traini, C. Mangano, R.L. Sammons, F. Mangano, A. Macchi, A. Piattelli, Direct laser metal sintering as a new approach to fabrication of an isoelectric functionally graded material for manufacture of porous titanium dental implants, *Dental Materials* 24/11 (2008) 1525-1533.
76. E. Spiechowicz, E. Adamczyk, W. Bukowski, J. Gładkowski, L. Kryst, M. Kubani, D. Mateńko, P. Stendra, I. Strużycka, *Leczenie bezzębnej zuchwy protezami overdenture opartymi na wszczepach Branemarka*, pod redakcją E. Spiechowicza, Warszawa, 2000.
77. R. Koczorowski, J. Koczorowski, Protezy overdentures w bezzębnej zuchwie oparte na dwu wszczepach filarowych jako alternatywa dla tradycyjnych protez ruchomych, *Implantoprotetyka* 4/29 (2007) 4-8.
78. E. Mierzińska-Nastalska, J. Gładkowski, M. Gładkowska, P. Kurpiel, *Leczenie implantoprotetyczne bezzębia w zuchwie z zastosowaniem protez overdenture – rozszerzenie kształcenia przeddyplomowego*, *Protetyka Stomatologiczna* LX/2 (2010) 138-143.
79. The McGill consensus statement on overdenture, *Quintessence International* 34/1 (2003) 78-79.
80. W. Chladek, G. Chladek, T. Czastkiewicz, J. Kasperski, J. Żmudzki, Złącze cierne do implantologicznego systemu stabilizacji całkowitych dośluzowych protez zębowych, Patent NR 207272, 30.11.2010 WUP 11/10.
81. W. Chladek, G. Chladek, J. Żmudzki, Złącze z nasadką na filar implantologiczny stabilizujące całkowite dośluzowe protezy zębowe, Patent NR 208679, 31.05.2011 WUP 05/11.
82. W. Chladek, G. Chladek, T. Lipski, J. Margielewicz, J. Żmudzki, *Biomechaniczne problemy w konstruowaniu implantologicznego systemu stabilizacji protez całkowitych*, Monografia nr 152, Wydawnictwo Politechniki Śląskiej, Gliwice, 2008.

83. J. Żmudzki, W. Chladek, Ocena dystrybucji obciążeń okluzyjnych na strefy podparcia w zależności od mechanizmów mocujących protezy overdenture, *Protetyka Stomatologiczna* LIX/3 (2009) 206.
84. M. Czyż, K. Ściagała, W. Jarmundowicz, R. Będziński, The biomechanical analysis of the traumatic cervical spinal cord injury using finite element approach, *Acta of Bioengineering and Biomechanics* 10/1 (2008) 43-54.
85. M. Czyż, K. Ściagała, W. Jarmundowicz, R. Będziński, Numerical model of the human cervical spinal cord-the development and validation, *Acta of Bioengineering and Biomechanics* 13/4 (2011) 51-58.
86. M. Ciach, J. Awrejcewicz, A. Maciejczak, M. Radek, Experimental and numerical investigations of c5-c6 cervical spinal segment before and after discectomy using the cloward operation technique, *Acta of Bioengineering and Biomechanics* 1/1 (1999) 101-105.
87. T. Zagrajek, Modelowanie biomechaniczne układu kręgosłupa człowieka metodą elementów skończonych, *Wydawnictwa Politechniki Warszawskiej*, 1990.
88. P. Borkowski, P. Marek, G. Krzesiński, J. Ryszkowska, B. Waśniewski, P. Wymysłowski, T. Zagrajek, Finite element analysis of artificial disc with an elastomeric core in the lumbar spine, *Acta of Bioengineering and Biomechanics* 14/1 (2012) 59-66.
89. T. Łodygowski, W. Kąkol, M. Wierszycki, M. Ogurkowska, Three-dimensional nonlinear finite element model of the human lumbar spine segment, *Acta of Bioengineering and Biomechanics* 7/2 (2005) 17-28.
90. J. Żmudzki, D. Kusz, J. Okrajni, Ocena wpływu redystrybucji naprężeń na właściwości biologiczne i materiałowe tkanki kostnej po implantacji panewki endoprotezy stawu biodrowego, *Inżynieria Materiałowa* 20/2 (1999) 62-66.
91. J. Okrajni, D. Kusz, J. Żmudzki, W. Kopka, Mechaniczne czynniki determinujące stan tkanki kostnej w otoczeniu implantów, *Acta of Bioengineering and Biomechanics* 1/1 (1999) 345-348.
92. A. Ziębowicz, J. Żmudzki, J. Szewczenko, B. Pogorzelska-Stroncak, J. Marciniak, W. Chladek, Analiza naprężeń i przemieszczeń w zespoleniu płytkowym żuchwy, *Materiały III konferencji „Biomateriały i mechanika w stomatologii”*, Ustroń, 1998, *Annales Academiae Medicae Silesiensis Supplement* 26 (1998) 266-271.
93. W. Chladek, J. Żmudzki, T. Lipski, Finite element analysis of mandible equilibrium depending on the way of its loading and supporting, *Acta of Bioengineering and Biomechanics* 2/1 (2000) 63-70.
94. J. Kasperski, W. Chladek, J. Żmudzki, J. Pachoński, Modelowa ocena cech mechanicznych ramion kłamrowych doginanych z drutu, *Materiały III konferencji „Biomateriały i mechanika w stomatologii”*, Ustroń, 1998, *Annales Academiae Medicae Silesiensis Supplement* 26 (1998) 104-109.
95. W. Chladek, S. Majewski, J. Żmudzki, J. Krukowska, Mechaniczne warunki funkcjonowania wybranych konstrukcji implantoprotez zębowych, *Implantoprotetyka* 4/2 (2003) 3-10.
96. J. Kasperski, J. Żmudzki, W. Chladek, Symulacyjne badania wpływu własności mechanicznych mas wyciskowych na jakość odwzorowania podłoża protetycznego, *Protetyka Stomatologiczna* LV/3 (2005) 220-223.
97. J. Żmudzki, G. Chladek, Ocena obciążenia strefy kotwienia filaru w aspekcie funkcjonowania implantoprotezy osiadającej, *Materiały VI Konferencji „Biomateriały i Mechanika w Stomatologii”*, Ustroń, 2004.
98. Z. Kucharski, D. Rolski, Zastosowanie kliniczne materiałów elastycznych do podścielen ruchomych uzupełnień protetycznych, *Protetyka Stomatologiczna* LXI/3 (2011) 234-240.
99. L.A. Dobrzański, A.D. Dobrzańska-Danikiewicz, Obróbka powierzchni materiałów inżynierskich, *Open Access Library, Volume 5* (2011) 18-20.
100. J. Dietrych, *Konstrukcja i konstruowanie*, WNT, Warszawa, 1968.
101. A. Skoć, J. Spalek, *Podstawy konstrukcji maszyn. Tom 1*, WNT, Warszawa, 2006.
102. A.G. Szentpetery, M.T. John, G.D. Slade, J.M. Setz, Problems reported by patients before and after prosthodontic treatment, *The International Journal of Prosthodontics* 18 (2005) 124-131.
103. I.M. Sheppard, L.R. Schwartz, S.M. Sheppard, Oral status of edentulous and complete denture wearing patients, *Journal of American Dental Association* 83 (1971) 614-620.
104. M. Ozcan, Y. Kulak, C. de Baat, A. Arikani, M. Uçankale, The effect of a new denture adhesive on bite force until denture dislodgement, *Journal of Prosthodontics* 14 (2005) 122-126.

105. D.R. Burns, J.W. Unger, R.K. Elswick Jr., D.A. Beck, Prospective clinical evaluation of mandibular implant overdentures: Part I - retention, stability, and tissue response, *Journal of Prosthetic Dentistry* 73 (1995) 354-363.
106. A. Tallgren, Longitudinal studies on denture retention, *Odont Tskr* 67 (1959) 314-335.
107. R.G. Craig, G.C. Berry, F.A. Peyton, Physical factors related to denture retention, *Journal of Prosthetic Dentistry* 10 (1960) 459-467.
108. W.J. O'Brien, Base retention, *Dental Clinics of North America* 24 (1980) 123-130.
109. P. Monsenego, J. Proust, Complete denture retention. Part I: physical analysis of the mechanism. Hysteresis of the solid-liquid contact angle, *Journal of Prosthetic Dentistry* 62 (1989) 189-196.
110. F. Muller, M.R. Heath, A.M. Ferman, G.R. Davis, Modulation of mastication during experimental loosening of complete dentures, *The International Journal of Prosthodontics* 15/6 (2002) 553-558.
111. J. Pietrokovski, J. Harfin, F. Levy, The influence of age and denture wear on the size of edentulous structures, *Gerodontologia* 20/2 (2003) 100-105.
112. H. Koshino, T. Hirai, T. Ishijima, K. Ohtomo, Influence of mandibular residual ridge shape on masticatory efficiency in complete denture wearers, *The International Journal of Prosthodontics* 15/3 (2002) 295-298.
113. D.A. Atwood, Some clinical factors related to rate of resorption of residual ridges, *Journal of Prosthetic Dentistry* 12 (1962) 441-450.
114. D.A. Atwood, Postextraction changes in the adult mandible as illustrated by microradiographs of midsagittal sections and serial cephalometric roentgenograms, *Journal of Prosthetic Dentistry* 13 (1963) 810-824.
115. D.A. Atwood, Reduction of residual ridges: a major oral disease entity, *Journal of Prosthetic Dentistry* 26 (1971) 266-279.
116. R.S. Manly, P. Vinton, A survey of the chewing ability of denture wearers, *Journal of Dental Research* 30 (1951) 314-321.
117. Y. Hanji, K. Suzuki, N. Shiina, Study on the number of denture adjustments in complete denture wearers-relationship to mandibular ridge shape, *Journal of the Japan Prosthodontic Society* 50/1 (2006) 54-63 (in Japanese).
118. A. Tallgren, The continuing reduction of the residual alveolar ridges in complete denture wearers: A mixed-longitudinal study covering 25 years, *Journal of Prosthetic Dentistry* 27 (1972) 120-132.
119. U. Lekholm, G.A. Zarb, Tissue-integrated prostheses, in: P.I. Branemark, G.A. Zarb, T. Albrektsson, *Tissue-integrated prostheses*, Quintessence, Chicago, 1985, 199-209.
120. J.I. Cawood, R.A. Howell, A classification of the edentulous jaws, *International Journal of Oral and Maxillofacial Surgery* 17 (1988) 232-236.
121. J. Pietrokovski, R. Starinsky, B. Arensburg, I. Kaffe, Morphologic characteristics of bony edentulous jaws, *Journal of Prosthodontics* 16 (2007) 141-147.
122. R.S. Truhlar, I.H. Orenstein, H.F. Morris, S. Ochi, Distribution of bone quality in patients receiving endosseous dental implants, *Journal of Oral and Maxillofacial Surgery* 55 (1997) 38-45.
123. B.L. Seal, T.C. Otero, A. Panitch, Polymeric biomaterials for tissue and organ regeneration, *Materials Science and Engineering: R Reports* 34/4-5 (2001) 147-230.
124. I. Haffar, F. Padilla, R. Nefussi, S. Kolta, J.M. Foucart, P. Laugier, Experimental evaluation of bone quality measuring speed of sound in cadaver mandibles, *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontology* 102/6 (2006) 782-791.
125. R.S. Hobson, A pilot study of mineralization distribution in the cortical bone of the human mandible, *Archives of Oral Biology* 43 (1998) 633-639.
126. J.E. Blomqvist, P. Alberius, S. Isaksson, A. Linde, B.G. Hansson, Factors in implant integration failure after bone grafting: an osteometric and endocrinologic matched analysis, *International Journal of Oral and Maxillofacial Surgery* 25 (1996) 63-68.
127. J.Y. Rho, M.C. Hobatho, R.B. Ashman, Relations of mechanical properties to density and CT numbers in human bone, *Medical Engineering and Physics* 17/5 (1995) 347-355.
128. K.S. Jang, Y.S. Kim, Comparison of oral sensory function in complete denture and implant-supported prosthesis wearers, *Journal of Oral Rehabilitation* 28/3 (2001) 220-225.

129. I. Hayakawa, S. Hirano, S. Kobayashi, M. Nagao, E. Masuhara, The creep behaviour of denture-supporting tissues and soft lining materials, *The International Journal of Prosthodontics* 7/4 (1994) 339-347.
130. S. Tanaka, A study on creep of oral mucosa, *The Journal of The Japan Prosthodontic Society* 14 (1973) 358-378.
131. M. Dudziak, J. Mielniczuk, *Nieklasyczne modele materiałów w projektowaniu maszyn*, Wydawnictwo Instytutu Technologii Eksploatacji, Radom, 2001.
132. J. Osiński, Modelowanie właściwości materiałów konstrukcyjnych z tworzyw sztucznych i kompozytów, *Przegląd Mechaniczny LXVII/3* (2008) 27-30.
133. Z.Q. Feng, F. Peyraut, N. Laped, Solution of large deformation contact problems with friction between Blatz-Ko hyperelastic bodies, *International Journal of Engineering Science* 41 (2003) 2213-2225.
134. Y.C. Fung, *Biomechanics: Mechanical properties of living tissues*, Springer-Verlag, New York, 1993.
135. W.L. Kydd, W. Stroud, B.C. Moffett Jr., A. Tamarin, The effect of mechanical stress on oral mucoperiosteum of dogs, *Archives of Oral Biology* 14/8 (1969) 921-933.
136. W.L. Kydd, C.H. Daly, The biologic and mechanical effects of stress on oral mucosa. *Journal of Prosthetic Dentistry* 47/3 (1982) 317-329.
137. D.J. Wills, R.D. Manderson, Biomechanical aspects of the support of partial dentures, *Journal of Dentistry* 5/4 (1977) 310-318.
138. M. Kishi, Experimental studies on the relation between area and displacement of loading surfaces in connection with displaceability in the mucosa of edentulous alveolar ridge under pressure, *The Shika Gakuhou* 72 (1972) 1043.
139. J. Kasperski, W. Chladek, T. Lipski, J. Żmudzki, Characterization of loads and supporting conditions of dentures filling lateral dentitions losses, *Acta of Bioengineering and Biomechanics* 3/2 (2001) 245-250.
140. W. Józefowicz, Wyniki badań modułów sprężystości tkanek miękkich podłoża protetycznego, *Protetyka Stomatologiczna* 20/3 (1970) 171-176.
141. S. Kimoto, K. Kimoto, A. Gunji, Y. Kawai, H. Murakami, K. Tanaka, K. Syu, H. Aoki, M. Tani, M. Toyoda, K. Kobayashi, Clinical effects of acrylic resilient denture liners applied to mandibular complete dentures on the alveolar ridge, *Journal of Oral Rehabilitation* 34/11 (2007) 862-869.
142. D. Wismeijer, M.A.J. Van Waas, Z.L.Z.F. Vermeeren, J. Mulder, W. Kalk. Patient satisfaction with implant-supported mandibular overdentures. A comparison of three treatment strategies with ITI-dental implants, *International Journal of Oral and Maxillofacial Surgery* 26 (1997) 263-267.
143. M. Tanaka, T. Ogimoto, K. Koyano, T. Ogawa, Denture wearing and strong bite force reduce pressure pain threshold of edentulous oral mucosa, *Journal of Oral Rehabilitation* 31/9 (2004) 873-878.
144. T. Ogawa, M. Tanaka, T. Ogimoto, N. Okushi, K. Koyano, K. Takeuchi, Mapping, profiling and clustering of pressure pain threshold (PPT) in edentulous oral mucosa, *Journal of Dentistry* 32 (2004) 219-228.
145. T. Miyashita, A study on the deformation of the soft tissue and the displacements of the denture under occlusal force, *Journal of the Tokyo Dental College Society* 70 (1969) 38-61.
146. R. Desjardins, R. Winkelman, J. Gonzalez, Comparison of nerve endings in normal gingiva with those in mucosa covering edentulous alveolar ridges, *Journal of Dental Research* 50 (1971) 567-879.
147. R. Jacobs, D. Steenberghe, Comparative evaluation of the oral tactile function by means of teeth or implant-supported prostheses, *Clinical Oral Implants Research* 2 (1981) 75-80.
148. A. Jaikittivong, V. Aneksuk, R.P. Langlais, Oral mucosal conditions in elderly dental patients, *Oral Diseases* 8/4 (2002) 218-223.
149. H. Panek, A. Dobosz, M. Sosna-Gramza, P. Napadłek, Analiza dolegliwości zgłaszanych przez pacjentów dotyczących przeszłości protetycznej, *Dental and Medical Problems* 41/3 (2004) 489-498.
150. T. Sierpińska, Analiza przyczyn niezadowolenia z protez ruchomych osiadających u pacjentów w podeszłym wieku, *Protetyka Stomatologiczna* 46 (1996) 281-284.
151. J.B. Wheeler, W.L. Kydd, C. Daly, The thickness measurement of masticatory mucosa in vivo, *International Dental Journal* 21/4 (1971) 430-439.

152. H. Akazawa, K. Sakurai, Changes of blood flow in the mucosa underlying a mandibular denture following pressure assumed as a result of light clenching, *Journal of Oral Rehabilitation* 29 (2002) 336-340.
153. Y. Maruo, G. Nishigawa, M. Irie, M. Oka, T. Hara, K. Suzuki, S. Minagi, Stress distribution prevents ischaemia and bone resorption in residual ridge, *Archives of Oral Biology* 55/11 (2010) 873-878.
154. M. Kato, Y. Kohsaka, T. Goto, T. Jiang, M. Ai, Study on the blood flow dynamics in denture supporting mucosa using laser Doppler flowmeter, *Journal of Japan Prosthodontics Society* 36 (1992) 126-135.
155. C. Okada, T. Ueda, K. Sakurai, Blood flow in denture-supporting maxillary mucosa in response to simulated mastication by loading, *Journal of Prosthodontic Research* 54 (2010) 159-163.
156. I.C. Mackenzie, R.L. Ettinger, Differences in the response of rodent oral mucosa and skin to repeated surface trauma, *Journal of Prosthetic Dentistry* 34/6 (1975) 666-674.
157. A.I. Martinez Diaz-Canel, M.J. Garcia-Pola Vallejo, Epidemiological study of oral mucosa pathology in patients of the Oviedo School of Stomatology, *Medicina Oral* 7/1 (2002) 4-9;10-6.
158. J.S. Landa, Troubleshooting in complete denture prosthesis. Part I: Oral mucosa and border extension, *Journal of Prosthetic Dentistry* 9 (1959) 978-987.
159. J.S. Landa, Troubleshooting in complete denture prosthesis. Part VII: Mucosa; Irritations, *Journal of Prosthetic Dentistry* 10 (1960) 1022-1028.
160. J.E. Sanders, B.S. Goldstein, D.F. Leotta, Skin response to mechanical stress: adaptation rather than breakdown-a review of the literature, *Journal of Rehabilitation Research and Development* 32/3 (1995) 214-226.
161. M. Wolff, I. Kleinberg, Oral mucosal wetness in hypo- and normosalivators, *Archives of Oral Biology* 43 (1998) 455-462.
162. C. Dong, J. Puckett, C. Dawes, The effects of chewing frequency and duration of gum chewing on salivary flow rate and sucrose concentration, *Archives of Oral Biology* 40/7 (1995) 585-588.
163. H.C. van der Mei, D.J. White, H.J. Busscher, On the wettability of soft tissues in the human oral cavity, *Archives of Oral Biology* 49 (2004) 671-673.
164. W. Reijden, J. Kwaak, E. Veerman, A. Nieuw Amerongen, The rheology of human saliva and salivary mucins and their implications in designing new artificial salivas, *Biorheology* 32/2 (1995) 182.
165. H. Ranc, A. Elkhyat, C. Servais, S. Mac-Mary, B. Launay, P. Humbert, Friction coefficient and wettability of oral mucosal tissue: Changes induced by a salivary layer, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 276 (2006) 155-161.
166. J. Prinz, R.A. de Wijk, L. Huntjens, Load dependency of the coefficient of friction of oral mucosa, *Food Hydrocolloids* 21 (2007) 402-408.
167. R.A. de Wijk, J.F. Prinz, The role of friction in perceived oral texture, *Food Quality and Preference* 16 (2005) 121-129.
168. J.H.H. Bongaerts, D. Rossetti, J.R. Stokes, The lubricating properties of human whole saliva, *Tribology Letters* 27 (2007) 277-287.
169. M. Lujan-Climent, J. Martinez-Gomis, S. Palau, R. Ayuso-Montero, J. Salsench, M. Peraire, Influence of static and dynamic occlusal characteristics and muscle force on masticatory performance in dentate adults, *European Journal of Oral Science* 116/3 (2008) 229-236.
170. J.L. Veyrone, C. Lassauzay, E. Nicolas, M.A. Peyronc, A. Woda, Mastication of model products in complete denture wearers, *Archives of Oral Biology* 52/12 (2007) 1180-1185.
171. A.P. Slagter, F. Bosman, H.W. van der Glas, A. van der Bilt, Human jaw-elevator muscle activity and food comminution in the dentate and edentulous state, *Archives of Oral Biology* 38/3 (1993) 195-205.
172. I. Hayakawa, S. Hirano, Y. Takahashi, E.S. Keh, Changes in the masticatory function of complete denture wearers after relining the mandibular denture with a soft denture liner, *The International Journal of Prosthodontics* 13/3 (2000) 227-231.
173. G.D. Stafford, C. Russell, Efficiency of denture adhesives and their possible influence on oral microorganisms, *Journal of Dental Research* 50 (1971) 832-836.
174. R.S. Manly, P. Vinton, factors influencing denture function, *Journal of Prosthetic Dentistry* 1 (1951) 578-586.

175. L.K. Ann, Biting forces in edentulous patients, *Malaysian Dental Journal* 6 (1966) 18-21.
176. H.F. Atkinson, W.J. Ralph, Tooth loss and biting force in man, *Journal of Dental Research* 52 (1973) 225-228.
177. K. Ogata, M. Satoh, Centre and magnitude of vertical forces in complete denture wearers, *Journal of Oral Rehabilitation* 22/2 (1995) 113-119.
178. J.H. Lee, W.H. Kim, R.H. Shin, K.W. Lee, A comparison of the masticatory function between two different types of implant supported prostheses and complete denture for fully edentulous patients, *Journal of Korean Academy of Prosthodontics* 46/6 (2008) 591-601.
179. F.A. Fontijn-Tekamp, A.P. Slagter, A. van der Bilt, M.A. van 't Hof, D.J. Witter, W. Kalk, J.A. Jansen, Biting and chewing with mandibular implant-retained overdentures compared with other states of artificial and natural dentition, *Journal of Dental Research* 79 (2000) 1519-1524.
180. K.K. Kapur, S. Soman, A. Yurkstas, Test foods for measuring masticatory performance in denture wearers, *Journal of Prosthetic Dentistry* 14 (1964) 483-491.
181. K.K. Kapur, S. Soman, Masticatory performance and efficiency in denture wearers, *Journal of Prosthetic Dentistry* 14 (1964) 687-694.
182. M. Demers, J. Bourdages, J.M. Brodeur, M. Benigeri, Indicators of masticatory performance among elderly complete denture wearers, *Journal of Prosthetic Dentistry* 75 (1996) 188-193.
183. S. Karlsson, G.E. Carlsson, Characteristics of mandibular masticatory movement in young and elderly dentate subjects, *Journal of Dental Research* 69 (1990) 473-476.
184. M.M. Khamis, H.S. Zaki, A procedure for constructing dentures with interchangeable teeth, *Journal of Prosthetic Dentistry* 78 (1997) 609-613.
185. B.R. Lang, M.E. Razzoog, Lingualized integration: tooth molds and an occlusal scheme for edentulous implant patients, *Implant Dentistry* 1 (1992) 204-211.
186. N.R. Garrett, K.K. Kapur, P. Perez, Effects of improvements of poorly fitting dentures and new dentures on patient satisfaction, *Journal of Prosthetic Dentistry* 76 (1996) 403-413.
187. S. Kimoto, K. Kimoto, A. Gunji, Y. Kawai, H. Murakami, K. Tanaka, K. Syu, H. Aoki, M. Tani, M. Toyoda, K. Kobayashi, Effects of resilient denture liner in mandibular complete denture on the satisfaction ratings of patients at the first appointment following denture delivery, *Journal of the Japan Prosthodontic Society* 52/2 (2008) 160-166.
188. J. Żmudzki, W. Chladek, T. Lipski, Influence of tongue activity on lower complete denture retention under biting forces, *Acta of Bioengineering and Biomechanics* 10/3 (2008) 13-20.
189. J. Margielewicz, Modelowanie numeryczne w rozpoznawaniu stanów biomechanicznych układu stomatognatycznego, PTIM, Zabrze, 2010.
190. J. Bielski, Wpływ ustawienia sztucznych zębów oraz kształtu ich powierzchni żujących na statykę protez całkowitych i wydolność żucia, Śląska Akademia Medyczna w Zabrzu, 1965.
191. R. Kenney, M.W. Richards, Photoelastic stress patterns produced by implant-retained overdentures, *Journal of Prosthetic Dentistry* 80 (1998) 559-564.
192. A. Hohmann, W. Hielscher, Protezy całkowite, Kwintesencja, wyd 1, Warszawa, 2000.
193. H. Kumagai, T. Watanabe, K. Kobayashi, T. Suzuki, M. Nagao, H. Nikawa, T. Hamada, Incidence of occlusal contacts with complete dentures during mastication using a 6-channel telemetry system preliminary measurement, *Journal of Oral Rehabilitation* 26 (1999) 918-922.
194. A.A. Yurkstas, W.H. Emerson, A study of tooth contact during mastication with artificial dentures, *Journal of Prosthetic Dentistry* 4 (1954) 168-174.
195. K. Kobayashi, A study of occlusal contacts of complete denture during mastication. Especially in non-chewing side, *Journal of Japan Prosthodontics* 27 (1983) 150-167 (in Japanese with English abstract).
196. A.K. Kaires, Occlusal surface contacts during mastication, *Journal of Prosthetic Dentistry* 9 (1959) 952-961.
197. K. Kobayashi, M. Morizawa, T. Watanabe, T. Sekita, M. Nagao, Occlusal contacts of complete denture during mastication in telemetry system, *Journal of the Japan Prosthodontic Society* 33/1 (1989) 94-105 (in Japanese).
198. K. Miyashita, T. Sekita, S. Minakuchi, Y. Hirano, K. Kobayashi, M. Nagao, Denture mobility with six degrees of freedom during function, *Journal of Oral Rehabilitation* 25/7 (1998) 545-552.

199. J. Rendell, J.E. Grasso, T. Gay, Retention and stability of the maxillary denture function during, *Journal of Prosthetic Dentistry* 73 (1995) 344-347.
200. L.C. Chong, Movement of maxillary complete dentures – a kinesiographic study, *Journal of Dentistry* 11 (1983) 257-263.
201. J.K. Rendell, T. Gay, J.E. Grasso, R.A. Baker, J.L. Winston, The effect of denture adhesive on mandibular movement during chewing, *Journal of American Dental Association* 131/7 (2000) 981-986.
202. M.A. Compagnoni, R.F. de Souza, C.R. Leles, Kinesiographic study of complete denture movement related to mucosa displacement in edentulous patients, *Pesquisa Odontológica Brasileira* 17/4 (2003) 356-361.
203. P. Kramer, Maxillary complete denture movement: a three dimensional digital recording method, M.D. Thesis, University of Sydney, 2004.
204. B.S. Dukes, An evaluation of soft tissue responses following removal of ill-fitting dentures, *Journal of Prosthetic Dentistry* 43/3 (1980) 251-253.
205. I. Ishizuka, T. Mizokami, Relationship between impression method of mucosa-borne area and denture pressure supportability, *Bulletin of Tokyo Dental College* 34/1 (1993) 23-32.
206. T. Ohguri, F. Kawano, T. Ichikawa, N. Matsumoto, Influence of occlusal scheme on the pressure distribution under a complete denture, *The International Journal of Prosthodontics* 12/4 (1999) 353-358.
207. N. Taguchi, H. Murata, T. Hamada, G. Hong, Effect of viscoelastic properties of resilient denture liners on pressures under dentures, *Journal of Oral Rehabilitation* 28/11 (2001) 1003-1008.
208. K. Kubo, T. Kawata, H. Suenaga, N. Yoda, R. Shigemitsu, T. Ogawa, K. Sasaki, Development of in vivo measuring system of the pressure distribution under the denture base of removable partial denture, *Journal of Prosthodontic Research* 53/1 (2009) 15-21.
209. K.W. Boening, M.H. Walter, Computer-aided evaluation of occlusal load in complete dentures, *Journal of Prosthetic Dentistry* 67/3 (1992) 339-344.
210. A.R. Frechette, Comparison of balanced and nonbalanced occlusion of artificial dentures based upon distribution of masticatory force, *Journal of Prosthetic Dentistry* 5/6 (1955) 801-810.
211. A.R. Frechette, Masticatory forces associated with the use of various types of artificial teeth, *Journal of Prosthetic Dentistry* 5 (1955) 252-267.
212. N.P. Perez, Application of telemetry for pressure measurements in the oral cavity, M.Sc. Thesis, University of Manchester, 1967.
213. G.D. Stafford, Clinical and laboratory studies on the behaviour of polymethylmethacrylate as a denture base material, PhD Thesis, University of Wales, 1978.
214. W.H. Roedema, Relationship between the width of the occlusal table and pressures under dentures during function, *Journal of Prosthetic Dentistry* 36/1 (1976) 24-34.
215. W.H. Roedema, A comparison of two methods of quantifying masticatory pressures developed under dentures with variable occlusal widths, *Journal of Oral Rehabilitation* 6/1 (1979) 67-80.
216. M. Ohashi, J.B. Woelfel, G.C. Paffenbarger, Pressures exerted on complete dentures during swallowing, *The Journal of the American Dental Association* 73 (1966) 625-630.
217. C.J. Watson, M.D. Abdul Wahab, The development of an inexpensive pressure transducer for use at the denture base-mucosal surface interface, *British Dental Journal* 156/4 (1984) 135-140.
218. C.J. Watson, R. Huggett, Pressures recorded at the denture base-mucosal surface interface in complete denture wearers, *Journal of Oral Rehabilitation* 14/6 (1987) 575-589.
219. S. Inoue, F. Kawano, K. Nagao, N. Matsumoto, An in vitro study of the influence of occlusal scheme on the pressure distribution of complete denture supporting tissues, *The International Journal of Prosthodontics* 9/2 (1996) 179-187.
220. T. Ohguri, F. Kawano, T. Ichikawa, N. Matsumoto, Influence of occlusal scheme on the pressure distribution under a complete denture, *The International Journal of Prosthodontics* 12/4 (1999) 353-358.
221. J. Żmudzki, W. Chladek, Modelowa ocena skuteczności miękkich podścieleń do eliminacji urazów błony śluzowej podłoża protetycznego, *Protetyka Stomatologiczna* LIX/6 (2009) 394-400.
222. J. Kasperski, J. Żmudzki, G. Chladek, Denture foundation tissues loading criteria in evaluation of dentures wearing characteristics, *Journal of Achievements in Materials and Manufacturing Engineering* 43/1 (2010) 324-332.

223. F. Kawano, K. Asaoka, K. Nagao, N. Matsumoto, Effect of viscoelastic deformation of soft tissue on stresses in the structures under complete denture, *Dental Materials Journal* 9/1 (1990) 70-79.
224. F. Kawano, A. Koran 3rd, K. Asaoka, N. Matsumoto, Effect of soft denture liner on stress distribution in supporting structures under a denture, *The International Journal of Prosthodontics* 6/1 (1993) 43-49.
225. Y. Sato, Y. Abe, H. Okane, K. Tsuga, Finite element analysis of stress relaxation in soft denture liner, *Journal of Oral Rehabilitation* 27/8 (2000) 660-663.
226. Y. Takayama, T. Yamada, O. Araki, T. Seki, T. Kawasaki, The dynamic behaviour of a lower complete denture during unilateral loads: analysis using the finite element method, *Journal of Oral Rehabilitation* 28/11 (2001) 1064-1074.
227. T. Kawasaki, Y. Takayama, T. Yamada, K. Notani, Relationship between the stress distribution and the shape of the alveolar residual ridge – three-dimensional behaviour of a lower complete denture, *Journal of Oral Rehabilitation* 28/10 (2001) 950-957.
228. M. Ateş, A. Cilingir, T. Sülün, E. Sünbuloğlu, E. Bozdağ, The effect of occlusal contact localization on the stress distribution in complete maxillary denture, *Journal of Oral Rehabilitation* 33/7 (2006) 509-513.
229. G. Nishigawa, T. Matsunaga, Y. Maruo, M. Okamoto, N. Natsuaki, S. Minagi, Finite element analysis of the effect of the bucco-lingual position of artificial posterior teeth under occlusal force on the denture supporting bone of the edentulous patient, *Journal of Oral Rehabilitation* 30/6 (2003) 646-652.
230. R. Chowdhary, K. Lekha, N.P. Patil, Two-dimensional finite element analysis of stresses developed in the supporting tissues under complete dentures using teeth with different cusp angulations, *Gerodontology* 25 (2008) 155-161.
231. P.W. Brand, Pressure sores. in : *Bedsore biomechanics* (eds. R.M. Kenedi, J.M. Cowden, J.T. Scales) MacMillan Press, London, 1976, 19-25.
232. C.W.J. Oomens, O.F.J.T. Bressers, E.M.H. Bosboom, C.V.C. Bouten, D.L. Bader, Can loaded interface characteristics influence strain distributions in muscle adjacent to bony prominences?, *Computer Methods in Biomechanics and Biomedical Engineering* 6/3 (2003) 171-180.
233. R. Ragan, T.W. Kernozek, M. Bidar, J.W. Matheson, Seat interface pressures on various thicknesses of foam wheelchair cushions: a finite modeling approach, *Archives of Physical Medicine and Rehabilitation* 83 (2002) 872-875.
234. L. Bennett, Transferring load to flesh: Part VIII. Stasis and stress, *Bulletin of Prosthetics Research* 10-23 (1975) 202-210.
235. L. Bennett, H. Patel, Transferring load to flesh: Part IX. Cushion stiffness effects, *Bulletin of Prosthetics Research* 10-31 (1979) 14-37.
236. L. Bennett, D. Kavner, B.K. Lee, F.A. Trainor, Shear vs. pressure as causative factors in skin blood flow occlusion, *Archives of Physical Medicine and Rehabilitation* 60 (1979) 309-314.
237. E. Linder-Ganz, N. Shabshin, Y. Itzhak, A. Gefen, Assessment of mechanical conditions in subdermal tissues during sitting: A combined experimental-MRI and finite element approach, *Journal of Biomechanics* 40 (2007) 1443-1454.
238. N. Even-Tzur, E. Weisz, Y. Hirsch-Falk, A. Gefen, Role of EVA viscoelastic properties in the protective performance of a sport shoe: Computational studies, *Bio-Medical Materials and Engineering* 16 (2006) 289-299.
239. M. Kosiak, Etiology of decubitus ulcers, *Archives of Physical Medicine and Rehabilitation* 42 (1961) 19-29.
240. E. Linder-Ganz, A. Gefen, Mechanical compression-induced pressure sores in rat hindlimb: muscle stiffness, histology, and computational models, *Journal of Applied Physiology* 96 (2004) 2034-2049.
241. J. Żmudzki, W. Chladek, Zastosowanie Metody Elementów Skończonych do analizy biomechanicznych warunków pracy całkowitych protez zębowych. w: W. Chladek, J. Kasperski, *Biomateriały i mechanika w stomatologii*, wyd. PTIM, Zabrze, 2010, 214-239.
242. T. Kawasaki, Y. Takayama, T. Yamada, K. Notani, Relationship between the stress distribution and the shape of the alveolar residual ridge-three-dimensional behaviour of a lower complete denture, *Journal of Oral Rehabilitation* 28/10 (2001) 950-957.

243. Y. Lü, H. Lou, Q. Rong, J. Dong, J. Xu, Stress area of the mandibular alveolar mucosa under complete denture with linear occlusion at lateral excursion, *Chinese Medical Journal* 123/7 (2010) 917-921.
244. Y. Takayama, H. Sasaki, M. Goto, K. Mizuno, M. Saito, A. Yokoyama, Morphological factors of mandibular edentulous alveolar ridges influencing the movement of dentures calculated using finite element analysis, *Journal of Prosthodontics Research* 55/2 (2011) 98-103.
245. C.R. Wright, Evaluation of the factors necessary to develop stability in mandibular dentures, *Journal of Prosthetic Dentistry* 16 (1966) 414-430.
246. K. Hirano, S. Hirano, I. Hayakawa, The role of oral sensorimotor function in masticatory ability, *Journal of Oral Rehabilitation* 31 (2004) 199-205.
247. N.R. Garrett, K.K. Kapur, D.G. Jochen, Oral stereognostic ability and masticatory performance in denture wearers, *The International Journal of Prosthodontics* 7/6 (1994) 567-573.
248. I.L. Mortimore, S.P. Bennett, N.J. Douglas, Tongue protrusion strength and fatiguability: relationship to apnoea/hypopnoea index and age, *Journal of Sleep Research* 9/4 (2000) 389-393.
249. H. Koshino, T. Hirai, T. Ishijima, Y. Ikeda, Tongue motor skills and masticatory performance in adult dentates, elderly dentates, and complete denture wearers, *Journal of Prosthetic Dentistry* 77 (1997) 147-152.
250. W.P. Miller, B. Monteith, M.R. Heath, The effect of variation of the lingual shape of mandibular complete dentures on lingual resistance to lifting forces, *Gerodontology* 15/2 (1998) 113-119.
251. W. Więckiewicz, Badania twardości wybranych elastomerów silikonowych stosowanych do podścielania protez pooperacyjnych, *Protetyka Stomatologiczna LV/4* (2005) 301-305.
252. A.K. Aydin, H. Terzioglu, A.E. Akinay, K. Ulubayram, N. Hasirci, Bond strength and failure analysis of lining materials to denture resin, *Dental Materials* 15/3 (1999) 211-218.
253. F. Kawano, E.R. Dootz, A. Koran 3rd, R.G. Craig, Comparison of bond strength of six soft denture liners to denture base resin, *Journal of Prosthetic Dentistry* 68 (1992) 368-371.
254. G. Chladek, Materiały nanokompozytowe ulepszone nanosrebrem na długoczasowe miękkie podścielania protez stomatologicznych. Open Access Library, Volume 3(9) (2012) 1-144.
255. H. Murata, N. Taguchi, T. Hamada, M. Kawamura, J.F. McCabe, Dynamic viscoelasticity of soft liners and masticatory function, *Journal of Dental Research* 81 (2002) 123-128.
256. M. Shinomiya, In-vivo and In-vitro studies for analysis of mastication in complete denture wearers with resilient denture liners, *International Journal of Oral-Medical Science* 2/5 (2006) 107-116.
257. S. Kimoto, K. So, S. Yamamoto, Y. Ohno, M. Shinomiya, K. Ogura, K. Kobayashi, Randomized controlled clinical trial for verifying the effect of silicone-based resilient denture liner on the masticatory function of complete denture wearers, *The International Journal of Prosthodontics* 19/6 (2006) 593-600.
258. I.E. Naert, M. Hooghe, M. Quirynen, D. van Steenberghe, The reliability of implant-retained hinging overdentures for the fully edentulous mandible. An up to 9-year longitudinal study. *Clinical Oral Investigation* 1 (1997) 119-124.
259. A.C.L. den Dunnen, A.P. Slagter, C. de Baat, W. Kalk, Professional hygiene care, adjustments and complications of mandibular implant-retained overdentures: A three-year. retrospective study, *Journal of Prosthetic Dentistry* 78 (1997) 387.
260. A.G. Payne, Y.F. Solomons, Mandibular implant-supported overdentures: a prospective evaluation of the burden of prosthodontic maintenance with 3 different attachment systems, *International Journal of Prosthodontics* 13 (2000) 246.
261. H.J. Wilson, H.R. Tomlin, J. Osborne, The assessment of temporary soft materials used in prosthetic dentistry, *British Dental Journal* 126 (1969) 303-306.
262. H. Murata, N. Taguchi, T. Hamada, J.F. McCabe, Dynamic viscoelastic properties and the age changes of long-term soft denture liners, *Biomaterials* 21 (2000) 1421-1427.
263. Y. Han, S. Kiatamnuay, J.M. Powers, Y. Zhao, Effect of nano-oxide concentration on the mechanical properties of a maxillofacial silicone elastomer, *Journal of Prosthetic Dentistry* 100 (2008) 465-473.
264. A.N. Gent, On the relation between indentation hardness and Young's modulus, *International Journal of Engineering, IR.1 Transitions* 34 (1958) 46-57.

265. I.M. Meththananda, S. Parker, M.P. Patel, M. Braden, The relationship between Shore hardness of elastomeric dental materials and Young's modulus, *Dental Materials* 25 (2009) 956-959.
266. M.G.J. Waters, R.G. Jagger, Mechanical properties of an experimental denture soft lining material, *Journal of Dentistry* 27 (1999) 197-202.
267. G.L. Polyzois, M. J. Frangou, Influence of curing method, sealer, and water storage on the hardness of a soft lining material over time, *Journal of Prosthodontics* 10 (2001) 42-45.
268. M.G.J. Waters, R.G. Jagger, R.W. Winter, Effect of surface modified fillers on the water absorption of a (RTV) silicone denture soft lining material, *Journal of Dentistry* 24 (1996) 297-300.
269. W. Santawisuk, W. Kanchanasita, C. Sirisinha, C. Harnirattisai, Dynamic viscoelastic properties of experimental silicone soft lining materials, *Dental Material Journal* 29/4 (2010) 454-460.
270. M.M. Hatamleh, D.C. Watts, Mechanical properties and bonding of maxillofacial silicone elastomers, *Dental Materials* 26 (2010) 185-191.
271. A. Shor, Y. Goto, K. Shor, Mandibular two-implant-retained overdenture: prosthetic design and fabrication protocol, *Compendium of Continuing Education in Dentistry* 28/2 (2007) 80-88.
272. N.U. Zitzmann, C.P. Marinello, Implant-supported removable overdentures in the edentulous maxilla: clinical and technical aspects, *The International Journal of Prosthodontics* 12 (1999) 385-390.
273. S. Majewski, S. Włoch, Leczenie implantoprotetyczne z zastosowaniem wszczepów Osteoplant obciążonych w systemie natychmiastowym i wczesnym, *Implantoprotetyka* 2/III (2002) 15-17.
274. Ł. Łomżyński, E. Mierzwińska-Nastalska, Natychmiastowe obciążenie implantów z zastosowaniem technologii NobelGuide, *Protetyka Stomatologiczna* 2 (2006) 136-139.
275. V.K. Jansen, G. Conrads, E.J. Richter, Microbial leakage and marginal fit of the implant-abutment interface, *The International Journal of Oral and Maxillofacial Implants* 12/4 (1997) 527-540.
276. L. Steinebrunner, S. Wolfart, K. Bössmann, M. Kern, In vitro evaluation of bacterial leakage along the implant-abutment interface of different implant systems, *The International Journal of Oral and Maxillofacial Implants* 20/6 (2005) 875-881.
277. A. O'Mahony, S.R. MacNeill, C.M. Cobb, Design features that may influence bacterial plaque retention: a retrospective analysis of failed implants, *Quintessence International* 31 (2000) 249-256.
278. S. Majewski, W. Chladek, P. Majewski, Przyczyny pęknięć wszczepów bikortykałnych oraz analiza mikroskopowa struktur powierzchniowych wszczepów systemu Branemark i Osteoplant. Wyniki badań laboratoryjnych i klinicznych, *Implantoprotetyka* 3/12 (2003) 2-8.
279. M. Wierszycki, T. Łodygowski, W. Hędzelek, R. Zagalak, Numerical analysis of dental implant fatigue, *Acta of Biomechanics and Biomechanics* 4/1 (2002) 195.
280. R. Zagalak, W. Hędzelek, T. Łodygowski, M. Wierszycki, Wpływ zaniku kości i gęstości kości na ryzyko złamań implantów – badania metodą elementów skończonych, *Implantoprotetyka* 6/1 (2005) 3-7.
281. A. Schmitt, G.A. Zarb, The notion of implant-supported overdentures, *Journal of Prosthetic Dentistry* 79 (1998) 60-65.
282. M. Hooghe, I. Naert, Implant supported overdenture – the Leuven experience, *Journal of Dentistry* 25/1 (1997) S25-S32.
283. D. Wismeijer, M.A.J. Van Waas, J.I.J.F. Vermeeren, J. Mulder, W. Kalk, Patient satisfaction with implant-supported mandibular overdentures. A comparison of three treatment strategies with ITI-dental implants, *International Journal of Oral and Maxillofacial Surgery* 26 (1997) 263-267.
284. M.I. MacEntee, J.N. Walton, N. Glick, A clinical trial of patient satisfaction and prosthodontic needs with ball and bar attachments for implant-retained complete overdentures: Three-year results, *Journal of Prosthetic Dentistry* 93 (2005) 28-37.
285. G. Heydecke, J.R. Penrod, Y. Takanashi, J.P. Lund, J.S. Feine, J.M. Thomason, Cost-effectiveness of mandibular two-implant overdentures and conventional dentures in the edentulous elderly, *Journal of Dental Research* 84/9 (2005) 794-799.
286. K.K. Kapur, N.R. Garrett, M.O. Hamada, E.D. Roumanas, E. Freymiller, T. Han, R.M. Diener, S. Levin, R. Ida, A randomized clinical trial comparing the efficacy of mandibular implant-supported overdentures and conventional dentures in diabetic patients. Part I: Methodology and clinical outcomes, *Journal of Prosthetic Dentistry* 79/5 (1998) 555-569.
287. T. Trakas, K. Michalakis, K. Kang, H. Hirayama, Attachment systems for implant retained overdentures: a literature review. *Implant Dentistry* 15 (2006) 24-34.

288. K. Phillips, K.M. Wong, Space requirements for implant-retained bar-and-clip overdentures, *Compendium of Continuing Education in Dentistry* 22 (2001) 516-522.
289. C.K. Lee, J.R. Agar, Surgical and prosthetic planning for a two-implant-retained mandibular overdenture: a clinical report, *Journal of Prosthetic Dentistry* 95 (2006) 102-105.
290. N.U. Zitzmann, C.P. Marinello, A review of clinical and technical considerations for fixed and removable implant prosthesis in the edentulous mandible, *The International Journal of Prosthodontics* 15 (2002) 65-72.
291. M. Pasciuta, Y. Grossman, I.M. Finger, A prosthetic solution to restoring the edentulous mandible with limited interarch space using an implant-tissue-supported overdenture: a clinical report, *Journal of Prosthetic Dentistry* 93 (2005) 116-120.
292. C.K. Lee, J.R. Agar, Surgical and prosthetic planning for a two-implant-retained mandibular overdenture: A clinical report, *Journal of Prosthetic Dentistry* 95 (2006) 102-105.
293. S.J. Sadowsky, Treatment considerations for maxillary implant overdentures: A systematic review, *Journal of Prosthetic Dentistry* 97 (2007) 340-348.
294. T.O. Narhi, M. Hevinga, R.A. Voorsmit, W. Kalk, Maxillary overdentures retained by splinted and unsplinted implants: a retrospective study, *The International Journal of Oral and Maxillofacial Implants* 16 (2001) 259-266.
295. N. Chaimattayompol, N.S. Arbree, Assessing the space limitation inside a complete denture for implant attachments, *Journal of Prosthetic Dentistry* 89 (2003) 82-85.
296. T. Leung, H.W. Preiskel, Retention profiles of stud-type precision attachments, *The International Journal of Prosthodontics* 4 (1991) 175-179.
297. K.M. Lehmann, F.V. Arnim, Studies on the retention forces on Snap-On attachments, *Quintessence of Dental Technology* 7 (1978) 45-48.
298. V. Rutkunas, H. Mizutani, Retentive and stabilizing properties of stud and magnetic attachments retaining mandibular overdenture, *Stomatologija - Baltic Dental and Maxillofacial Journal* 6 (2004) 85-90.
299. V.C. Petropoulos, W. Smith, E. Kousvelari, Comparison of retention and release periods for implant overdenture attachments, *The International Journal of Oral & Maxillofacial Implants* 12 (1997) 176-185.
300. D.D. Epstein, P.L. Epstein, B.I. Cohen, M.K. Pagnillo, Comparison of the retentive properties of six prefabricated post overdenture attachment systems, *Journal of Prosthetic Dentistry* 82/5 (1999) 579-584.
301. L.C. Breeding, D.L. Dixon, S. Schmitt, The effect of simulated function on the retention of bar-clip retained removable prosthesis, *Journal of Prosthetic Dentistry* 75 (1996) 570-573.
302. B.L. Stewart, R.O. Edwards, Retention and wear of precision-type attachment, *Journal of Prosthetic Dentistry* 49 (1983) 28-34.
303. C.A. Svetlize, E.F. Bodereau Jr., Comparative study of retentive anchor systems for overdentures, *Quintessence International* 35/6 (2004) 443-448.
304. V. Rutkunas, H. Mizutani, H. Takahashi, Evaluation of stable retentive properties of overdenture attachments, *Stomatologija - Baltic Dental and Maxillofacial Journal* 7/4 (2005) 115-120.
305. N.J. Attard, G.A. Zarb, Long-term treatment outcomes in edentulous patients with implant overdentures: the Toronto study, *The International Journal of Prosthodontics* 17 (2004) 425-433.
306. M.G. Wichmann, W. Kuntze, Wear behavior of precision attachments, *The International Journal of Prosthodontics* 12/5 (1999) 409-414.
307. J.I. Gamborena, L.R. Hazelton, D. NaBadalung, J. Brudvik, Retention of ERA direct overdenture attachments before and after fatigue loading, *The International Journal of Prosthodontics* 10/2 (1997) 123-130.
308. O. Fromentin, B. Picard, B. Tavernier, In vitro study of the retention and mechanical fatigue behavior of four implant overdenture stud-type attachments, *Practical Periodontics and Aesthetic Dentistry* 11/3 (1999) 391-397.
309. D.M. Botega; M.F. Mesquita; G.E. Henriques; L.G. Vaz, Retention force and fatigue strength of overdenture attachment systems, *Journal of Oral Rehabilitation* 31/9 (2004) 884-889.
310. I. Naert, G. Alsaadi, M. Quirynen, Prosthetic aspects and patient satisfaction with two-implant-retained mandibular overdentures: a 10-year randomized clinical study, *The International Journal of Prosthodontics* 17 (2004) 401-410.

311. J. Setz, S.H. Lee, E. Engel, Retention of prefabricated attachments for implant stabilized overdentures in the edentulous mandible: An in vitro study, *Journal of Prosthetic Dentistry* 80 (1998) 323-329.
312. B.H. Williams, K.T. Ochiai, S. Hojo, R. Nishimura, A.A. Caputo, Retention of maxillary implant overdenture bars of different designs, *Journal of Prosthetic Dentistry* 86/6 (2001) 603-607.
313. I. Naert, G. Alsaadi, D. van Steenberghe, M. Quirynen, A 10-year randomized clinical trial on the influence of splinted and unsplinted oral implants retaining mandibular overdentures: peri-implant outcome, *The International Journal of Oral and Maxillofacial Implants* 19/5 (2004) 695-702.
314. G. Cordioli, Z. Majzoub, S. Castagna, Mandibular overdentures anchored to single implants: A five-year prospective study, *Journal of Prosthetic Dentistry* 78 (1997) 159-165.
315. B.I. Cohen, M. Pagnillo, S. Condos, A.S. Deutsch, Comparative study of two precision overdenture attachment designs, *Journal of Prosthetic Dentistry* 76 (1996) 145-152.
316. J.N. Walton, N.D. Ruse, In vitro changes in clips and bars used to retain implant overdentures, *Journal of Prosthetic Dentistry* 74 (1995) 482-486.
317. J. Żmudzki, P. Kujawa, Charakterystyka rozwiązań złączy samodzielnych w protezach nakładowych podpartych słuzówkowo a utrzymywanych na implantach. „Materiały VIII Konferencji „Biomateriały i Mechanika w Stomatologii” Ustroń, 2008, Twój Przegląd Stomatologiczny: wydanie specjalne, Katowice, 2008, 235-242.
318. J. Żmudzki, P. Kujawa, Techniczno-ekonomiczne aspekty użytkowania złączy samodzielnych w protezach nakładowych, *Materiały VIII Konferencji „Biomateriały i Mechanika w Stomatologii”, Ustroń, 2008”, Twój Przegląd Stomatologiczny; wydanie specjalne, Katowice, 2008, 243-248.*
319. J.N Walton, A randomized clinical trial comparing two mandibular implant overdenture designs: 3-year prosthetic outcomes using a six- field protocol, *The International Journal of Prosthodontics* 16 (2003) 255-260.
320. P.F. Allen, A.S. McMillan, D.G. Smith, Complications and maintenance requirements of implant-supported prostheses provided in a UK dental hospital, *British Dental Journal* 182 (1997) 298-302.
321. J.N. Walton, M.I. MacEntee, Problems with prostheses on implants: A retrospective study, *Journal of Prosthetic Dentistry* 71 (1994) 283-288.
322. T. Jemt, K. Book, B. Lindén, G. Urde, Failures and complications in 92 consecutively inserted overdentures supported by Brånemark implants in severely resorbed edentulous maxillae, a study from prosthetic treatment to first annual check-up, *The International Journal of Oral and Maxillofacial Implants* 7 (1992) 162-167.
323. R.M. Watson, T. Jemt, J. Chai, J. Harnett, M.R. Heath, J.E. Hutton, R.B. Johns, B. Lithner, S. McKenna, D.C. McNamara, I. Naert, R. Taylor, Prosthodontic treatment, patient response, and the need for maintenance of complete implant-supported overdentures: an appraisal of 5 years of prospective study, *The International Journal of Prosthodontics* 10 (1997) 345-354.
324. M. Behr, R. Lang, A. Leibrook, M. Rosentritt, G. Handel, Complication rate with prosthodontic reconstructions on ITI and IMZ dental implants, *Clinical Oral Implants Research* 9 (1998) 51-58.
325. A. Ekfeldt, L.A. Johansson, S. Isaksson, Implant-supported overdenture therapy: a retrospective study, *The International Journal of Prosthodontics* 10 (1997) 366-374.
326. E. Klemetti, A. Chehade, Y. Takanashi, J.S.. Feine, Two-implant mandibular overdentures: simple to fabricate and easy to wear, *Journal of the Canadian Dental Association* 69/1 (2003) 29-33.
327. S. Winkler, J. Piermatti, A. Rothman, G. Siamos, An overview of the O-ring implant overdenture attachment: clinical reports, *The Journal of oral implantology* 28/2 (2002) 82-86.
328. S.J. Sadowsky, A.A. Caputo, Effect of anchorage systems and extension base contact on load transfer with mandibular implant-retained overdentures, *Journal of Prosthetic Dentistry* 84 (2000) 327-334.
329. R. Mericske-Stern, T. Steinlin Schaffner, P. Marti, A.H. Geering, Peri-implant mucosal aspects of ITI implants supporting overdentures. A five-year longitudinal study, *Clinical Oral Implants Research* 5 (1994) 9-18.
330. J. Mau, A. Behneke, N. Behneke, C.U. Fritzeimer, G. Gomez-Roman, B. d’Hoedt, H. Spiekermann, V. Strunz, M. Yong, Randomized multicenter comparison of 2 IMZ and 4 TPS screw implants supporting bar-retained overdentures in 425 edentulous mandibles, *The International Journal of Oral & Maxillofacial Implants* 18 (2003) 835-847.

331. K.Y. Liao, J.Y. Kan, K. Rungcharassaeng, J.L. Lozada, A.S. Herford, C.J. Goodacre, Immediate loading of two freestanding implants retaining a mandibular overdenture: 1-year pilot prospective study, *The International Journal of Oral and Maxillofacial Implants* 25 (2010) 784-790.
332. A. Behneke, N. Behneke, B. d'Hoedt, A 5-year longitudinal study of the clinical effectiveness of ITI solid-screw implants in the treatment of mandibular edentulism, *The International Journal of Oral and Maxillofacial Implants* 17/6 (2002) 799-810.
333. M.R. Fenlon, R.M. Palmer, P. Palmer, J.T. Newton, M. Sherriff, A prospective study of single stage surgery for implant-supported overdentures, *Clinical Oral Implants Research* 13 (2002) 365-370.
334. T. Ueda, U. Kremer, J. Katsoulis, R. Mericske-Stern, Long-term results of mandibular implants supporting an overdenture: implant survival, failures, and crestal bone level changes, *The International Journal of Oral and Maxillofacial Implants* 26/2 (2011) 365-372.
335. T. Jemt, K. Book, B. Lindén, G. Urde, Failures and complications in 92 consecutively inserted overdentures supported by Brånemark implants in severely resorbed edentulous maxillae, a study from prosthetic treatment to first annual check-up, *The International Journal of Oral and Maxillofacial Implants* 7 (1992) 162-167.
336. S. Palmqvist, K. Sondell, B. Swartz, Implant-supported maxillary overdentures: outcome in planned and emergency cases, *The International Journal of Oral and Maxillofacial Implants* 9 (1994) 184-190.
337. M. Quirynen, I. Naert, D. van Steenberghe, Implant design and overload influence on marginal bone loss and implant success in the Brånemark system, *Clinical Oral Implants Research* 3 (1992) 104-111.
338. M.F. Chan, T.O. Narhi, C. de Baat, W. Kalk, Treatment of the atrophic edentulous maxilla with implant-supported overdentures: a review of the literature, *The International Journal of Prosthodontics* 11 (1998) 7-15.
339. J.E. Hutton, M.R. Heath, J.Y. Chai, J. Harnett, T. Jemt, R.B. Johns, S. McKenna, D.C. McNamara, D. van Steenberghe, R. Taylor, Factors related to success and failure rates at 3-year follow-up in a multicenter study of overdentures supported by Branemark implants, *The International Journal of Oral and Maxillofacial Implants* 10 (1995) 33-42.
340. R. Razavi, R.B. Zena, Z. Khan, A.R. Gould, Anatomic site evaluation of edentulous maxillae for dental implant placement, *Journal of Prosthodontics* 4 (1995) 90-94.
341. T. Bergendal, B. Engquist, Implant-supported overdentures: a longitudinal prospective study, *The International Journal of Oral and Maxillofacial Implants* 13 (1998) 253-262.
342. H. van Oosterwyck, J. Duyck, J. Vander Sloten, G. van der Perre, M. De Cooman, S. Lievens, R. Puers, I. Naert, The influence of bone mechanical properties and implant fixation upon bone loading around oral implants, *Clinical Oral Implants Research* 9 (1998) 407-418.
343. J. Żmudzki, W. Walke, W. Chladek, Influence of model discretization density in FEM numerical analysis on the determined stress level in bone surrounding dental implants, in: *Information technologies in biomedicine*, Eds: E. Piętka J. Kawa, Springer, Berlin, 2008, *Advances in Soft Computing* 47 (2008) 559-567.
344. J. Żmudzki, W. Walke, W. Chladek, Stresses present in bone surrounding dental implants in FEM model experiments, *Journal of Achievements in Materials and Manufacturing Engineering* 27/1 (2008) 71-74.
345. T. Kitagawa, Y. Tanimoto, K. Nemoto, M. Aida, Influence of cortical bone quality on stress distribution in bone around dental implant, *Dental Materials Journal* 24/2 (2005) 219-224.
346. C.S. Petrie, J.L. Williams, Probabilistic analysis of periimplant strain predictions as influenced by uncertainties in bone properties and occlusal forces, *Clinical Oral Implants Research* 18 (2007) 611-619.
347. J. Żmudzki, Can typical overdentures attachments prevent from bone overloading around mini-implants?, *Journal of Achievements in Materials and Manufacturing Engineering* 43/2 (2010) 542-555.
348. J. Żmudzki, G. Chladek, J. Kasperski, Silicone attachment for avoidance of bone tissue overloading in single implant-retained denture, *Archives Materials Science and Engineering* 51/2 (2011) 107-115.
349. B. Balkin, D. Steflik, F. Naval, Mini-dental implant insertion with the auto-advance technique for ongoing applications, *The Journal of Oral implantology* 27 (2001) 32-37.
350. T.C. Griffins, C.P. Collins, P.C. Collins, Mini dental implants: an adjunct for retention, stability, and comfort for the edentulous patient, *Oral Surgery, Oral Medicine, Oral Pathology, Oral Radiology and Endodontology* 100 (2005) 81-84.

351. A. Ziółkowska, M Rybicki, Mini-implants – application in implantoprosthodontics with particular focus on long-term loading. Literature review, *Implantoprotetyka* VII/4 (2006) 47-49.
352. P. Vigolo, A. Givani, Clinical evaluation of single-tooth mini implant restoration: a five-year retrospective study, *Journal of Prosthetic Dentistry* 84 (2000) 50-54.
353. O.C. Dilek, E. Tezulas, Treatment of a narrow, single tooth edentulous area with mini-dental implants: a clinical report, *Oral Surgery Oral Medicine Oral Pathology Oral Radiology and Endodontology* 103/2 (2007) 22-25.
354. C.S. Petrie, J.L. Williams, Comparative evaluation of implant designs: influence of diameter, length, and taper on strains in the alveolar crest. A three-dimensional finite-element analysis, *Clinical Oral Implants Research* 16/4 (2005) 486-494.
355. V.C. Mow, R. Huiskes, *Basic orthopaedic biomechanics and mechano-biology*, Third Edition, Lippincott Williams and Wilkins, 2005, 136-137.
356. J. Jofre, P. Cendoya, P. Munoz, Effect of splinting mini-implants on marginal bone loss: a biomechanical model and clinical randomized study with mandibular overdentures, *The International Journal of Oral and Maxillofacial Implants* 25/6 (2010) 1137-1144.
357. T. Albrektsson, G. Zarb, P. Worthington, A.R. Eriksson, The long-term efficacy of currently used dental implants: a review and proposed criteria of success, *The International Journal of Oral and Maxillofacial Implants* 1 (1986) 11-25.
358. G.A. Zarb, T. Albrektsson, Consensus report: towards optimized treatment outcomes for dental implants, *Journal of Prosthetic Dentistry* 80 (1998) 641.
359. R. Boyer, G. Welsch, E.W. Collings, *Materials properties handbook: Titanium Alloys*, eds. ASM International, Materials Park, OH, 1994.
360. A.O. Spazzini, M.B. Dos Santos, L.C. Sobrinho, R.L. Consani, M.F. Mesquita, Effects of horizontal misfit and bar framework material on the stress distribution of an overdenture-retaining bar system: a 3D finite element analysis, *Journal of Prosthodontics* 20/7 (2011) 517-522.
361. A. Haruta, Y. Matsushita, Y. Tsukiyama, Y. Sawae, N. Sakai, K. Koyano, Effects of mucosal thickness on the stress distribution and denture stability of mandibular implant-supported overdentures with unsplinted attachments in vitro, *Journal of Dental Biomechanics* (2011) 894-395.
362. G. Menicucci, M. Lorenzetti, P. Pera, G. Preti, Mandibular implant-retained overdenture: finite element analysis of two anchorage systems, *The International Journal of Oral and Maxillofacial Implants* 13/3 (1998) 369-376.
363. J. Duyck, H. van Oosterwyck, J. Vander Sloten, M. De Cooman, R. Puers, I. Naert, In vivo forces on oral implants supporting a mandibular overdenture: the influence of attachment system, *Clinical Oral Investigations* 3/4 (1999) 201-207.
364. J.A. Porter Jr., V.C. Petropoulos, J.B. Brunski, Comparison of load distribution for implant overdenture attachments, *The International Journal of Oral and Maxillofacial Implants* 17/5 (2002) 651-662.
365. M. Daas, G. Dubois, A.S. Bonnet, P. Lipinski, C. Rignon-Bret, A complete finite element model of a mandibular implant-retained overdenture with two implants: comparison between rigid and resilient attachment configurations, *Medical Engineering and Physics* 30/2 (2008) 218-225.
366. Y. Maeda, M. Horisaka, K. Yagi, Biomechanical rationale for a single implant-retained mandibular overdenture: an in vitro study, *Clinical Oral Implants Research* 19 (2008) 271-275.
367. T. Ichikawa, M. Horiuchi, R. Wigianto, N. Matsumoto, In vitro study of mandibular implant-retained overdentures: the influence of stud attachments on load transfer to the implant and soft tissue, *The International Journal of Prosthodontics* 9/4 (1996) 394-399.
368. M. Tokuhisa, Y. Matsushita, K. Koyano, In vitro study of a mandibular implant overdenture retained with ball, magnet, or bar attachments: comparison of load transfer and denture stability, *The International Journal of Prosthodontics* 16/2 (2003) 128-134.
369. J. Żmudzki, W. Chladek, J. Krukowska, Loading of overdenture attachments under simulated biting forces, *Archives of Materials Science Engineering* 32/1 (2008) 33-36.
370. J. Żmudzki, W. Chladek, J. Krukowska, Attachments of implant retained tissue supported denture under biting forces, *Archives of Computational Materials Science and Surface Engineering* 1/1 (2009) 13-22.

371. H.J. Chun, D.N. Park, C.H. Han, S.J. Heo, M.S. Heo, J.Y. Koak, Stress distributions in maxillary bone surrounding overdenture implants with different overdenture attachments, *Journal of Oral Rehabilitation* 32/3 (2005) 193-205.
372. S. Harder, S. Wolfart, C. Egert, M. Kern, Three-year clinical outcome of single implant-retained mandibular overdentures – Results of preliminary prospective study, *Journal of Dentistry* 39 (2011) 656-661.
373. T. Gonda, Y. Maeda, J.N. Walton, M.I. MacEntee, Fracture incidence in mandibular overdentures retained by one or two implants, *Journal of Prosthetic Dentistry* 103/3 (2010) 178-181.
374. J. Żmudzki, W. Chladek, Rozpoznanie biomechaniki protez overdentures mocowanych do pojedynczego implantu, *Protetyka Stomatologiczna LX/1* (2010) 22-27.
375. G. He, P. Liu, Q. Tan, Porous titanium materials with entangled wire structure for load-bearing biomedical applications, *Journal of the Mechanical Behavior of Biomedical Materials* 5/1 (2012) 16-31.
376. A.F. Shernoff, L.W. Battle, C.J. Jarosz, An alternative to conventional overdenture attachments with Molloplast-B: a technique, *Journal of Prosthetic Dentistry* 52 (1984) 305-307.
377. J.R. Cain, D.L. Mitchell, Soft liner-retained, implant-supported overdenture: a technical note, *The International Journal of Oral and Maxillofacial Implants* 13/6 (1998) 857-860.
378. E.D. Adrian, W.A. Krantz, J.R. Ivanhoe, The use of processed silicone to retain the implant-supported tissue-borne overdenture, *Journal of Prosthetic Dentistry* 67 (1992) 219-222.
379. S. Kiat-Amnuay, T. Mekayarajjanonh, C.C. Cron, Z. Khan, L. Gettleman, Simplified methods for fabricating tissue-supported implant-retained overdentures with retention from a resilient liner, *Journal of Prosthetic Dentistry* 82 (1999) 242-245.
380. S. Kiat-Amnuay, Z. Khan, L. Gettleman, Overdenture retention of four resilient liners over an implant bar, *Journal of Prosthetic Dentistry* 81/5 (1999) 568-573.
381. M. Kiernicka, R. Łobodziński, "Komfortowa proteza"- innowacyjny system stabilizacji protez na wyrostkach atroficznych, *Implants* 3 (2008) 26-31.
382. W. Chladek, M. Wrzuś-Wieliński, The evaluation of selected attachment systems for implant-retained overdenture based on retention characteristics analysis, *Acta of Bioengineering and Biomechanics* 12/3 (2010) 75-83.
383. J. Żmudzki, W. Chladek, Elastic silicone matrices as a tool for load relief in overdenture implants, *Acta of Bioengineering and Biomechanics* 10/4 (2008) 1-8.
384. M. Wrzuś-Wieliński, Próba wykorzystania silikonów dentystycznych do bezpośredniego mocowania protez overdenture. Praca doktorska, Uniwersytet Medyczny w Łodzi, 2009.
385. P.L. Keenan, D.R. Radford, R.K. Clark, Dimensional change in complete dentures fabricated by injection molding and microwave processing, *Journal of Prosthetic Dentistry* 89/1 (2003) 37-44.
386. N. Polychronakis, S. Yannikakis, A. Zissis, A clinical 5-year longitudinal study on the dimensional changes of complete maxillary dentures, *The International Journal of Prosthodontics* 16/1 (2003) 78-81.
387. P. Atashrazm, M.H. Dashti, M.R. Mobeinie, Prevalence of interceptive contacts in centric relation in complete denture wearers, *Journal of Dentistry of Tehran University of Medical Sciences* 5/4 (2008) 179-184.
388. H.Y. Wang, Y.C. Lu, Y.Y. Shiau, D. Tsou, Vertical distortion in distal extension ridges and palatal area of casts made by different techniques, *Journal of Prosthetic Dentistry* 75/3 (1996) 302-308.
389. R. Jacobs, D. van Steenberghe, Role of periodontal ligament receptors in the tactile function of teeth: a review, *Journal of Periodontal Research* 29 (1994) 153-167.
390. S. Karlsson, M. Molin, Effects of gold and bonded ceramic inlays on the ability to perceive occlusal thickness, *Journal of Oral Rehabilitation* 22 (1995) 9-13.
391. O. Komiya, H. Saeki, M. Kawara, K. Kobayashi, S. Otake, Effects of relief space and escape holes on pressure characteristics of maxillary edentulous impressions, *Journal of Prosthetic Dentistry* 91/6 (2004) 570-576.
392. G.A. Zarb, C.L. Bolender, S.E. Eckert, A.H. Fenton, R.F. Jacob, R. Mericske-Stern, *Prosthodontic treatment for edentulous patients: complete dentures and implant-supported prostheses*, Twelfth Editions, St. Louis, Mosby, 2003, 402-426.
393. R. Loney, Diagnosing denture pain: principles and practice, *Journal of the Canadian Dental Association* 72 (2006) 137-141.

394. C.R. Rodegerdts, The relationship of pressure spots in complete denture impressions with mucosal irritations, *Journal of Prosthetic Dentistry* 14/6 (1964) 1040-1049.
395. J.S. Brudvik, Complete dentures for the graduate student in prosthodontics, University of Washington, 1996, 44.
396. T. Ma, J.I. Nicholls, J.E. Rubenstein, Tolerance measurements of various implant components, *The International Journal of Oral and Maxillofacial Implants* 12/3 (1997) 371-375.
397. P. Vigolo, Z. Majzoub, G. Cordioli, Evaluation of the accuracy of three techniques used for multiple implant abutment impressions, *Journal of Prosthetic Dentistry* 89/2 (2003) 186-192.
398. M.A. Del'Acqua, A.M. Chávez, M.A. Compagnoni, A. Molo Fde Jr., Accuracy of impression techniques for an implant-supported prosthesis, *The International Journal of Oral and Maxillofacial Implants* 25/4 (2010) 715-721.
399. S.H. Jo, K.I. Kim, J.M. Seo, K.Y. Song, J.M. Park, S.G. Ahn, Effect of impression coping and implant angulation on the accuracy of implant impressions: an in vitro study, *Journal of Advanced Prosthodontics* 2/4 (2010) 128-133.
400. J.E. De La Cruz, P.D. Funkenbusch, C. Ercoli, M.E. Moss, G.N. Graser, R.H. Tallents, Verification jig for implant-supported prostheses: A comparison of standard impressions with verification jigs made of different materials, *Journal of Prosthetic Dentistry* 88 (2002) 329-336.
401. M.A. Del'Acqua, J.N. Arioli-Filho, M.A. Compagnoni, A. Mollo Fde Jr., Accuracy of impression and pouring techniques for an implant-supported prosthesis, *The International Journal of Oral and Maxillofacial Implants* 23/2 (2008) 226-236.
402. S.A. Al-Fadda, G.A. Zarb, Y. Finer, A comparison of the accuracy of fit of 2 methods for fabricating implant-prosthodontic frameworks, *The International Journal of Prosthodontics* 20/2 (2007) 125-131.
403. R. Sorrentino, E.F. Gherlone, G. Calesini, F. Zarone, Effect of implant angulation, connection length, and impression material on the dimensional accuracy of implant impressions: an in vitro comparative study, *Clinical Implant Dentistry and Related Research* 12/1 (2010) 63-76.
404. D. Tavelin, J. Psillakis, Adjustment of complete denture occlusion with the coble balancer: A case report. *Columbia Dental Review* 11 (2006-2007) 15-18.
405. R. Yemm, Stress-induced muscle activity: a possible factor in denture soreness, *Journal of Prosthetic Dentistry* 28/2 (1972) 132-140.
406. G.A. Zarb, Biomechanics of the edentulous state, in: G.A. Zarb, C.L. Bolender, G.E. Carlsson. *Boucher's prosthodontic treatment for edentulous patients*, Eleventh Edition, Mosby, 1997, 20-23.
407. J.S. Brudvik, W.D. Gay, W.J. Selting, Tissue pressure under complete maxillary dentures, *Journal of Prosthetic Dentistry* 35/2 (1976) 160-170.
408. G. Agerberg, Mandibular function and dysfunction in complete denture wearers. A literature review, *Journal of Oral Rehabilitation* 15/3 (1988) 237-249.
409. M.D.F. Mercado, K.D.B. Faulkner, The prevalence of craniomandibular disorders in completely edentulous denture wearing subjects, *Journal of Oral Rehabilitation* 18/3 (1991) 231-242.
410. E. Choy, D.E. Smith, The prevalence of temporomandibular joint disturbances in complete denture patients, *Journal of Oral Rehabilitation* 7/4 (1980) 331-352.
411. U.R. Darbar, R Huggett, A. Harrison, Stress analysis techniques in complete dentures, *Journal of Dentistry* 22 (1994) 259-264.
412. Dental Practice Board. Dental practice board annual report, Eastbourn, UK, 1997.
413. U.R. Darbar, R Hugget, A. Harrison, Denture fracture – a survey, *British Dental Journal* 176 (1994) 342-345.
414. A.E. Prombonas, D.S. Vlissidis, Comparison of the midline stress fields in maxillary and mandibular complete dentures: A pilot study, *Journal of Prosthetic Dentistry* 95 (2006) 63-70.
415. M. Redford, T.F. Drury, A. Kingman, L.J. Brown, Denture use and the technical quality of dental prostheses among persons 18–74 years of age: United States, 1988–1991, *Journal of Dental Research* 75 (1996) 714-725.
416. S. Hussain, *Textbook of dental materials*, Jaypee Brothers Medical Publishers (P) Ltd, New Delhi, 2004.
417. R. Craig, J. Powers, *Restorative dental materials*, 11th ed. St. Louis, Mosby, 2002, 238-292.

418. C. Bortun, N. Faur, L. Marsavina, A. Cernescu, O. Gombos, L. Szabo, Durability experimental tests for a superacryl plus complete denture, *Timisoara Medical Journal* 60/4 (2010) 269-273.
419. L.A. Dobrzański, *Podstawy metodologii projektowania materiałowego*, Wydawnictwo Politechniki Śląskiej, Gliwice, 2009.
420. J. Kubik, *Mechnika konstrukcji warstwowych*, Wydawnictwo TiT. Opole, 1993.
421. K. Oblój, *Strategia sukcesu firmy*, Polskie Wydawnictwo Ekonomiczne, Warszawa, 1994.
422. A.D. Dobrzańska-Danikiewicz, Foresight methods for technology validation, road-mapping and development in the surface engineering area, *Archives of Materials Science Engineering* 44/2 (2010) 69-86.
423. A.D. Dobrzańska-Danikiewicz, Computer integrated development prediction methodology in materials surface engineering, *Open Access Library*, Volume 1(7) (2012) 1-289.
424. K. Marks, M. Jaworska-Zaremba, T.K. Fábíán, E. Mierzwińska-Nastalska, Analiza poziomu lęku przed leczeniem stomatologicznym w populacji polskiej mniejszości narodowej żyjącej na Węgrzech. *Protetyka Stomatologiczna*, LX/ 2 (2010) 102-111.
425. T.S. Kuhn, *The structure od scientific revolutions*, University of Chicago Press, Chicago, 1962.
426. J. Okrajni, M. Plaza, S. Ziemba, Computer modelling of the heat flow in surgical cement during endoprosthesis, *Journal of Achievements in Materials and Manufacturing Engineering* 20 (2007) 311-314.
427. G. Milewski, A.Hille, Experimental strength analysis of orthodontic extrusion of human anterior teeth, *Acta of Bioengineering and Biomechanics* 14/1 (2012) 15-21.
428. M.J. Nevalainen, T.O. Närhi, A. Ainamo, Oral mucosal lesions and oral hygiene habits in the home-living elderly, *Journal of Oral Rehabilitation* 24 (1997) 332-337.
429. Q. Xie, T.O. Närhi, J.M. Nevalainen, J. Wolf, A. Ainamo, Oral status and prosthetic factors related to residual ridge resorption in elderly subjects, *Acta Odontologica Scandinavica* 55 (1997) 306-313.
430. Tokuyama Dental Corporation, Durable soft reline material "Sofreliner Tough Soft", Technical Report, www.tokuyama-dental.com.
431. S. Kiat-Amnuay, L. Gittleman, T. Mekayarajjanononth, Z. Khan, L.J. Goldsmith, The influence of water storage on durometer hardness of 5 soft denture liners over time, *Journal of Prosthodontics* 14/1 (2005) 19-24.
432. I. Hayakawa, E.S. Keh, M. Morizawa, G. Muraoka, S. Hirano, A new polyisoprene-based light-curing denture soft lining material, *Journal of Dentistry* 31 (2003) 269-274.
433. A. Siddiqui, M. Braden, M.P. Patel, S. Parker, An experimental and theoretical study of the effect of sample thickness on the Shore hardness of elastomers, *Dental Materials* 26 (2010) 560-564
434. Y. Kasuga, H. Takahashi, N. Akiba, S. Minakuchi, N. Matsushita, M. Hishimoto, Basic evaluation on physical properties of experimental fluorinated soft lining materials, *Dental Materials Journal* 30/1 (2011) 45-51
435. K.R. Williams, R.G. Jagger, S. Sadamori, M.G.J. Waters, Cyclical deformation behaviour of denture soft lining materials, *Journal of Dentistry* 24/4 (1996) 301-308.
436. A.L. Machado, L.C. Breeding, A.D. Puckett, Effect of microwave disinfection on the hardness and adhesion of two resilient liners, *Journal of Prosthetic Dentistry* 94 (2005) 183-189.
437. A. Mese, K.G. Guzel, Effect of storage duration on the hardness and tensile bond strength of silicone- and acrylic resin-based resilient denture liners to a processed denture base acrylic resin, *Journal of Prosthetic Dentistry* 99 (2008) 153-159.
438. V.E. Beresin, F.J. Schiesser, The neutral zone in complete dentures, *Journal of Prosthetic Dentistry* 36/4 (1976) 356-367.
439. Oprogramowanie Katedry Transportu Szybnego Politechniki Śląskiej.
440. A.N. Natali, E.A. Meroi, K.R. Williams, L. Calabrese, Investigation of the integration process of dental implants by means of a numerical analysis of dynamic response, *Dental Materials* 13/5 (1997) 325-332.
441. C.L. Lin, J.C. Wang, Y.C. Kuo, Numerical simulation on the biomechanical interactions of tooth/implant-supported system under various occlusal forces with rigid/non-rigid connections, *Journal of Biomechanics* 39 (2006) 453-463.

442. K. Vandamme, I. Naert, L. Geris, J. Vander Sloten, R. Puers, J. Duyck, The effect of micromotion on the tissue response around immediately loaded roughened titanium implants in the rabbit, *European Journal of Oral Science* 115 (2007) 21-29.
443. H.L. Huang, J.T. Hsu, L.J. Fuh, D.J. Lin, M.Y. Chen, Biomechanical simulation of various surface roughnesses and geometric designs on an immediately loaded dental implant, *Computers in Biology and Medicine* 40/5 (2010) 525-532.
444. A.M. O'Mahony, J.L. Williams, P. Spencer, Anisotropic elasticity of cortical and cancellous bone in the posterior mandible increases peri-implant stress and strain under oblique loading, *Clinical Oral Implants Research* 12/6 (2001) 648-657.
445. A. Mellal, H.W. Wiskott, J. Botsis, S.S. Scherrer, U.C. Belser, Stimulating effect of implant loading on surrounding bone. Comparison of three numerical models and validation by in vivo data, *Clinical Oral Implants Research* 15/2 (2004) 239-248.
446. R. Brånemark, R. Skalak, An in-vivo method for biomechanical characterization of bone anchored implants, *Medical Engineering and Physics* 20 (1998) 216-219.
447. M. Soncini, Y. Rodriguez, R. Pietrabissa, V. Quaglini, S. Rizzo, D. Zaffe, Experimental procedure for the evaluation of the mechanical properties of the bone surrounding dental implants, *Biomaterials* 23 (2002) 9-17.
448. E. Panagiotouni, A. Pissiotis, D. Kapari, A. Kaloyannides, Retentive ability of various denture adhesive materials: An in vitro study, *Journal of Prosthetic Dentistry* 73 (1995) 578-585.
449. J.F. Mañes, E.J. Selva, A. De-Barutell, K. Bouazza, Comparison of the retention strengths of three complete denture adhesives: An in vivo study, *Medicina Oral Patologia Oral Cirurgia Bucal* 16/1 (2011) 132-136.
450. H. Ranc, A. Elkhyat, C. Servais, S. Mac-Mary, B. Launay, P. Humbert, Friction coefficient and wettability of oral mucosal tissue: Changes induced by a salivary layer, *Colloids and Surfaces A: Physicochemical and Engineering Aspects* 276 (2006) 155-161.
451. T. Laursen, J. Simo, A continuum based finite element formulation for the implicit solution of multibody, large deformation frictional contact problems, *International Journal for Numerical Methods in Engineering* 36 (1993) 3451-3485.
452. J.H. Chung, V. Rajagopal, T.A. Laursen, P.M.F. Nielsen, M.P. Nash, Frictional contact mechanics methods for soft materials: Application to tracking breast cancers, *Journal of Biomechanics* 41 (2008) 69-77.
453. J. Rojek, Modelowanie i symulacja komputerowa złożonych zagadnień mechaniki nieliniowej metodami elementów skończonych i dyskretnych, *Prace IPPT*, 4, Warszawa, 2007.
454. Z.Q. Feng, F. Peyraut, N. Laped, Solution of large deformation contact problems with friction between Blatz-Ko hyperelastic, *International Journal of Engineering Science* 41 (2003) 2213-2225.
455. S. Stupkiewicz, J. Lengiewicz, J. Korelc, Sensitivity analysis for frictional contact problems in the augmented Lagrangian formulation, *Computer Methods in Applied Mechanics and Engineering* 199/33-36 (2010) 2165-2176.
456. O.C. Zienkiewicz, R.L. Taylor, *The finite element method for solid and structural mechanics*, Sixth Edition, Elsevier Butterworth-Heinemann, 2005, 191-224.
457. S. Sezer, An evaluation of Ansys contact elements. A Thesis the Master Degree of Mechanical Engineering, Yildiz Technical University, 2005.
458. H. Ranc, C. Servais, P.-F. Chauvy, S. Debaud, S. Mischler, Effect of surface structure on frictional behaviour of a tongue/palate tribological system, *Tribology International* 39 (2006) 1518-1526.
459. J. Żmudzki, G. Chladek, J. Kasperski, Single implant-retained dentures: loading of various attachment types under oblique occlusal forces, *Journal of Mechanics in Medicine and Biology* 12/5 (2012) in press.
460. K. Taraszkiewicz-Sulik, M. Łapuć, A. Gołębowska, M. Gołębowska, Subluksacja stawów skroniowo-żuchwowych jako powikłanie po leczeniu protetycznym – opis przypadku, *Protetyka Stomatologiczna* LVIII/6 (2008) 449-454.
461. S. Berczyński, Z. Grządziel, S. Rukowicz, Analiza porównawcza naprężeń kontaktowych w ząbieniu przekładni zębatej napędu wału rozrządu silnika Sulzer RTA48T-B, *Zeszyty Naukowe, Akademia Morska w Szczecinie* 10/82 (2006) 51-59.

462. K. Ochęduszek, Koła zębate. Tom 1, WNT, Warszawa, 1985.
463. Z. Dyląg, A. Jakubowicz, Z. Orłoś, Wytrzymałość materiałów. Tom 2, WNT, Warszawa, 2009.
464. M.S. Beyli, J.A. von Fraunhofer, An analysis of causes of fracture of acrylic resin dentures, *Journal of Prosthetic Dentistry* 46 (1981) 238-241.
465. J. Pandurić, M. Husnjak, K. Guljas, K. Kraljević, J. Zivko-Babić, The simulation and calculation of the fatigue of the lower complete denture in function by means of the finite element analysis, *Journal of Oral Rehabilitation* 25/7 (1998) 560-565.
466. EN ISO 10139-2:2009 Dentistry - Soft lining materials for removable dentures – Part 2: Materials for long-term use.
467. W. Chladek, J. Krukowska, J. Żmudzki, Effort changes of lower complete denture material caused by relining, *Archives of Materials Science and Engineering* 31/2 (2008) 79-82.
468. C.M. Becker, D.E. Smith, J.I. Nicholls, The comparison of denture base processing techniques. II. Dimensional changes due to processing, *Journal of Prosthetic Dentistry* 37 (1977) 450-459.
469. A.D. Jackson, R.J. Grisius, R.K. Fenster, B.R. Lang, Dimensional accuracy of two denture base processing methods, *The International Journal of Prosthodontics* 2 (1989) 421-428.
470. T. Takamata, J. Setcos, R. Phillips, M.E. Boone, Adaptation of acrylic resin dentures as influenced by the activation mode of polymerization, *The Journal of the American Dental Association* 119 (1989) 271-276.
471. R.L.X. Consani, S.S. Domitti, M.F. Mesquita, S. Consani, Effect of packing types on the dimensional accuracy of denture base resin cured by the conventional cycle in relation to post-pressing times, *Brazilian Dental Journal* 15/1 (2004) 63-67.
472. S.K. Lechner, G.A. Thomas, Changes caused by processing complete mandibular dentures, *Journal of Prosthetic Dentistry* 72/6 (1994) 606-613.
473. S. Thongthammachat, B.K. Moore, M.T. Barco 2nd, S. Hovijitra, D.T. Brown, C.J. Andres, Dimensional accuracy of dental casts: influence of tray material, impression material, and time, *Journal of Prosthodontics* 11/2 (2002) 98-108.
474. S.M. Ganzarolli, R.N. Rached, R.C. Garcia, A.A. Del Bel Cury, Effect of cooling procedure on final denture base adaptation, *Journal of Oral Rehabilitation* 29/8 (2002) 787-790.
475. E.H. Pow, T.W. Chow, R.K. Clark, Linear dimensional change of heat-cured acrylic resin complete dentures after relining and rebase, *Journal of Prosthetic Dentistry* 80/2 (1998) 238-245.
476. R.J. Leupold, R.J. Flint, D.L. Pfeifer, Comparison of vertical movement occurring during loading of distal-extension removable partial denture bases made by three impression techniques, *Dentistry Update* 37/3 (2010) 154-156;158-160.
477. G.L. Polyzois, H.C. Karkazis, A.J. Zissis, P.P. Demetriou, Dimensional stability of dentures processed in boilable acrylic resins: a comparative study, *Journal of Prosthetic Dentistry* 57/5 (1987) 639-647.
478. R.L. Consani, S.S. Domitti, S. Consani, Effect of a new tension system, used in acrylic resin flasking, on the dimensional stability of denture bases, *Journal of Prosthetic Dentistry* 88/3 (2002) 285-289.
479. T. Sierpińska, G. Pakieła, M. Gołębiwska, Przebieg adaptacji do nowych protez całkowitych w aspekcie zmiany warunków zwarciowo-artykulacyjnych, *Protetyka Stomatologiczna* LV/4 (2005) 258-262.
480. P. Kivovics, M. Jahn, J. Borbély, K. Márton, Frequency and location of traumatic ulcerations following placement of complete dentures, *The International Journal of Prosthodontics* 20/4 (2007) 397-401.
481. K. Okuma, S. Hirano, I. Hayakawa, Occlusal pressure pattern analysis of complete dentures for evaluation of occlusal adjustment, *Journal of Medical and Dental Sciences* 51/4 (2004) 197-203.
482. A.M. Dubojska, G.E. White, S. Pasiek, The importance of occlusal balance in the control of complete dentures, *Quintessence International* 29/6 (1998) 389-394.
483. J. Kasperski, G. Chladek, I. Walawender, T. Lipski, Badania wpływu ilości śliny na generowane siły wiążące oraz rozciągliwość wybranych kremów adhezyjnych, *Protetyka Stomatologiczna* LTXI/1 (2011) 19-27.
484. R. Koppang, E. Berg, S. Dahm, C. Real, F. Fløystrand, A method for testing denture adhesives, *Journal of Prosthetic Dentistry* 73/5 (1995) 486-491.
485. J. Kasperski, G. Chladek, J. Żmudzki, T. Lipski, The effect of saturation by artificial saliva on the effectiveness of denture adhesives, *Archives of Materials Science and Engineering* 51/1 (2011) 25-32.

486. J.K. Rendell, T. Gay, J.E. Grasso, R.A. Baker, J.L. Winston, The effect of denture adhesive on mandibular movement during chewing, *The Journal of the American Dental Association* 131/7 (2000) 981-986.
487. J.J. Psillakis, R.F. Wright, J.T. Grbic, I.B. Lamster, In practice evaluation of a denture adhesive using a gnathometer, *Journal of Prosthodontics* 13/4 (2004) 244-250.
488. Y. Kulak, M. Ozcan, A. Arikian, Subjective assessment by patients of the efficiency of two denture adhesive pastes, *Journal of Prosthodontics* 14/4 (2005) 248-252.
489. G. Hong, T. Maeda, T. Hamada, The effect of denture adhesive on bite force until denture dislodgement using a gnathometer, *International Chinese Journal of Dentistry* 10 (2010) 41-45.
490. T. Fujimori, S. Hirano, I. Hayakawa, Effects of a denture adhesive on masticatory functions for complete denture wearers. Consideration for the condition of denture-bearing tissues, *Journal of Medical and Dental Sciences* 49 (2002) 151-156.
491. H. Murata, R.C. Haberham, T. Hamada, N. Taguchi, Setting and stress relaxation behavior of resilient denture liners, *Journal of Prosthetic Dentistry* 80 (1998) 714-722.
492. W.F. Schmidt Jr., D.E. Smith, A six year retrospective study of Molloplast-B-lined dentures. Part II: Liner serviceability, *Journal of Prosthetic Dentistry* 50 (1983) 459-465.
493. S. Ciliberto, C. Laroche, Energy dissipation in solid friction, *European Physical Journal B9* (1999) 551-558.
494. P.F.D. Naylor, The skin surface and friction, *British Journal of Dermatology* 67 (1955) 239-248.
495. P.F.D. Naylor, Experimental friction blisters, *British Journal of Dermatology* 67 (1955) 327-342.
496. M. Zhang, A.R. Turner-Smith, A. Tanner, V.C. Roberts, Clinical investigation of the pressure and shear stress on the transtibial stump with a prosthesis, *Medical Engineering and Physics* 20 (1998) 188-198.
497. A. Kraśnicka-Ściborska, T. Maślanka, E. Kalecińska, H. Krawczykowska, Leczenie pacjenta bezzębego z artropatią stawów skroniowo–żuchwowych – opis przypadku, *Dental and Medical Problems* 43/1 (2006) 139-144.
498. A. Wieczorek, Najczęściej występujące objawy kliniczne zaburzeń czynnościowych u pacjentów użytkujących protezy całkowite, *Protetyka Stomatologiczna LV/4* (2005) 263-266.
499. S. Majewski, P. Majewski, Okluzja jako kluczowy problem w implantologii dentystycznej, *Implantoprotetyka* 4/37 (2009) 4-10.
500. J. Setz, S.H. Lee, E. Engel, Retention of prefabricated attachments for implant stabilized overdentures in the edentulous mandible: An in vitro study, *Journal of Prosthetic Dentistry* 80 (1998) 323-329.
501. N.H.M. Alsabeeha, A.G.T. Payne, R.K. De Silva, W.M. Thomson, Mandibular single-implant overdentures: preliminary results of a randomised-control trial on early loading with different implant diameters and attachment systems, *Clinical Oral Implant Research* 22 (2011) 330-337.
502. J. Żmudzki, Computer aided alternative method of dental implants placement, in: *Information technologies in biomedicine*, vol. 2. Eds: E. Piętka, J. Kawa, Springer, Berlin, 2010, 211-216.
503. W. Chladek, G. Chladek, M. Wrzuś-Wieliński, J. Żmudzki, Examinations on retention of overdentures with elastic frictional attachments, *Journal of Achievements in Materials and Manufacturing Engineering* 43/1 (2010) 205-213.