Dentistry

Conservative Dentistry and Parodontology

- Sensitivity and specificity of caries diagnostics in different radiologic procedures
- Consecutive dental findings of orthopantomograms in a large collective – incidence of caries in different age groups
- In vitro study to evaluate hard tooth tissue in the approximal space
- Association between age of amalgam fillings and probing depths, mobility grades and ryge criteria
- Retrospective evaluation of the length of survival of teeth after direct capping with calcium hydroxide
- Determination of mechanic strength values in modified tooth composites
- Marginal density of the orthograde root filling after apicoectomy – comparison of different materials by means of electron-microscopic examination
- Fracture rate of endodontic files with due regard to the „Wave One“
- Long-term course after root filling – influencing factors on loss rate
- Comparison of progress after root filling over a period of 20 years – long-term success of different treatment techniques and indications
- Identification of independent determinants of failed root canal treatments
- Comparison of long-term courses after different techniques of root canal treatment
- Bleaching of devital teeth
- In vitro study on the toxicity of bleaching treatments
- Influence of brush abrasions (in vitro) on dentin and enamel
- Correlation between dental hygiene and bacterial profile before and after treatment of patients and their relatives
- Comparison of bacterial colonisation of healthy teeth, gold and ceramic caps in patients suffering from parodontitis
- Decrease of quality of life due to parodontitis
- Predictive values of risk factors for parodontitis – establishment of a new risk score
- Influence of rheumatism on parodontitis – an interdisciplinary study
- Diabetes-Screening in dental practice using the Find-Risk questionnaire – a practice based pilot study
- Importance of aliphatic acid on parodontitis in patients with rheumatoid diseases
- Standard of knowledge of dental assistants regarding caries and parodontitis prevention
- Effects of chemotherapeutics on the vitality of bacteria on enamel and dentin
- Coincidence of carotid calcifications in patients with progressed parodontitis
- Influence of rheumatoid diseases on the prevalence of parodontitis
- Association between immunosuppressive therapy in rheumatoid diseases and parodontal diseases
- Patient characteristics in clinical treatment processes in dental medicine – a comparative analysis covering 2 decades
- Validation of a new questionnaire regarding patient satisfaction after parodontal treatment
- Diagnostics of parodontitis – of what significance is the MMP 8 rapid test?
- Association between MMP-8 and periodontitis in patients suffering rheumatoid arthritis
- Adjuvant administration of ethereal oil in periodontitis treatment
- Level of knowledge of practicing dentists regarding diagnostic and therapeutic procedures in endodontics
- Influence of tooth position and oral health on quality of life
- Influence of different rinsing solutions on the bacterial colonisation in endodontic treatments
- Dental chart dependent on nutrition and oral hygiene in adolescents – a questionnaire study
- Relation between social factors and dental health
- Dental health after bone marrow transplantation
- Influence of high-performance sport on dental health – prevalence of dental fractures in combat sport
- Significance of oral irrigators in the daily interdental and gingival hygiene / periodontal hygiene
- Efficiency validation of Dental Water Jets in additive implementation of Full Mouth Disinfection (FMD) without antibiotherapy, verified by the polymerase chain reaction
- Evidence of rantes in tissue and serum in different inflammatory dental processes
- Evidence of mycoplasma with PCR in endodontic treatment
- Competence of dentists in the treatment of life-threatening emergencies in the practice
- Patients in a dental polyclinic during the emergency consultation hours – epidemiologic factors, accident progress and prognostic factors for tooth conservation
- Analysis of diseases with hypoplastic incisors

Materials Science / Prothetic Dentistry / Propaedeutics

- Comparison of different ceramic systems
- Quality and resilience of different ceramic veneers
- Comparison of treatment possibilities of dental hard tissue loss in the posterior region
- Comparison of retentive strength and surface loadability in test series with differing depths of canal inlay with vs. without retention
- Comparison of fracture stability of different denture materials
- Successes in selective laser intensity in dentistry
- Analysis of cement gaps and marginal gaps in bridges using different materials
- Influence of breaking loads after use of different materials and adhesion techniques
- Influence of dental pin conditioning on adhesion of dental pins in the root canal – an in vitro study
- Determinants of the temperature development of dentine in preparation – an in vitro study
- Quality comparison of implant impression techniques by using different impression materials
- Implant impression techniques in different new impression materials – a follow-up study
- Comparison of several dental prostheses – aftercare, repairs and risk of loss
- Bacterial contamination of sterilised dental instruments – comparison of different German state
How high is the proteine contamination of purified and sterilised operating materials?

Survival rate of inlays – comparison of different materials

Dimensional accuracy of impression material in open and closed implant impressions

Dimensional precision of different impression techniques using the Xive® implant system

Implantology / Oral and Maxillofacial Surgery /Medical Imaging

- Prognostic factors in squamous cell carcinoma of the head and oral cavity considering different operation methods
- Influence of different modified extirpations on long-term course in squamous cell carcinoma of oral cavity and paranasal sinuses
- Risk factors for mortality in floor of mouth cancer
- Survival analysis of patients suffering from tongue carcinoma
- Influence of epidemiologic factors and lifestyle on sensibility, taste perception and perception of pain of the tongue
- Osteoradionecrosis of the mandible – a follow-up study covering 15 years
- Implementing hypnosis procedures during tooth extractions: Acceptance by patients and influence on pain and fear experience
- Therapy of injuries of the mandibular nerve caused by traumata with electro acupuncture
- Information level of patients about dental implants
- Bone loss in implants of the maxilla – a long-term study
- Influence of bone training on the implant-bone-interface in different implant systems
- Bone loss in mandible implants – which risk factors can be identified?
- Long-term results of immediate implant treatment in geriatric patients
- Immediate loading after implant treatments in the non-dentate jaw – analysis of the influence of localisation and patient-related influence factors
- Influencing factors on aesthetics in implantology
- Quality of life and satisfaction of patients with implant-supported dentures
- Genetic factors for implant loss – analysis of polymorphisms
- Occuring of peri-implantitis in different implant systems with vs. without phosphoric acid etching
- Comparison of Bio-Oss® vs. other implantation material regarding the occuring of peri-implantitis
- Histological results after maxillary sinus augmentation – comparison of different bone replacement materials
- Complications after use of membranes in sinus lifts – a review
- Proof of microbiologic contamination of implant cavities after use of different fillers
- Avoidance of peri-implantitis by using oral water jets
- Stability of implants in two methods of insertion: transgingival placement vs. gingival detachment
- Bone loss after different implant systems – a clinical cohort study
- Risk factors depending on operation technique and patient for implant failure in dental everyday practise – a long-term observatio
- Long-term courses after osteosynthesis procedures with different materials
- Covering of multiple recessions with a collagen matrix vs. enamel matrix protein in combination with the tunneling technique
- Performance measurement after gingivo-periostoplasty in patients with clefts
- Mandibular reconstruction with iliac crest graft – a long-term study
- Quality comparison of 3 different X-ray systems as well as the comparison of reliability between first and second examination for the respective examiner
- Examiner-dependent diagnosis of panoramic X-rays – analysis of kappa coefficients of dentists with different standards of education
- Comparison of exactness and interobserver variability in the use of hanel occlusion foil vs. T-scan
- Improvement of interobserver variability in cephalometric diagnoses thanks to intensified training
- Examiner-dependent diagnoses of lateral cephalograms – analysis of kappa coefficients of dentists with different standards of education
- Comparison of the accuracy of details of digital sensors, the conventional dental film and imaging plates in everyday clinical practise as well as an evaluation by different observers
- Radiation exposure and interobserver variability in conventional bitewing radiograph vs. orthopantomograms
- Implementation of Bio-Oss® in everyday dental practise – a monocentric experience
- Breaking load of different types of implants
- Stability values in the jaw bone of implants with different outer forms
- Comparison of manual vs. digital measurements for the grading of tooth misplacements
- Bone resorption in different bone replacement materials after sinus floor elevation

Orthodontics

- Einflussfaktoren auf die Prävalenz von radiologisch gefundenen Zufallsbefunden in der Kieferorthopädie
- Definitions of standard values in the measuring of the respiratory tract in the CAT scan
- Measuring of the maxilla in different tooth displacements
- Definition of standard values in the measuring of the maxilla in the CAT scan – an analysis with Osirix
- Measuring of maxilla with CAT scan to determine suitable localizations for miniscrews
- Measuring of dental root inclination in the CAT scan
- Measuring of recessions and dehisences in maxilla and mandible by means of CAT scan
- Mobility of the jaw before and after dental treatment
- Analysis of cephalometric and orthopaedic parameters before and after dental treatment in
Results of long-term treatment in patients with cleft lip and jaw – analysis of dental, sagittal and vertical Parameters

Clinical evidence of asymmetries in cleft lip and palate in the CAT scan and MR imaging

Formation of the mucogingival junction in different areas of the maxilla and mandible – definition of suitable measuring points

Questionnaire evaluating resident dentists´ state of information regarding CMD – are symptoms of CMD recognized?

Questionnaire evaluating resident dentists´ state of information regarding CMD – how is CMD treated?

Prevalence of CMD in the population, in university institutions and in dentists´ everyday practice – an epidemiologic study

Prevalence of CMD in patients suffering from advanced stage of psoriasis

Association between CMD and CCD – a clinical analysis

Diagnostics of CMD in patients with vs. without CCD – the significance of OPG

Analysis of deformations of the cervical spine and cephalometric parameters in patients with symptomatic CMD

Cervical spine parameters in the lateral cephalogram in patients suffering from CCD compared to the normal population

Comparison of deformations of the cervical spine in patients with vs. without CCD – a follow-up study

Improvement of symptoms in patients with CMD – a prospective study comparing conservative and operative treatment strategies

Therapeutic success through laser acupuncture in patients with CMD

Association between psoriasis and CMD – diagnostics, therapy and prognostic determinants

Rantes´ in serum and tissue in CMD and the correlation with cycokines

Evaluation of lateral cephalogram according to the analysis of professor Pancherz before and after orthodontic treatments

Superimpositions in 3D X-ray images

Force vectors in orthodontics in the standard Edgewise and Straightwire technique

Patient expectations regarding the use of orthodontic mini pins – a comparison between two insertion and anaesthesia techniques

Results of skeletally based molar distalization – a meta-analysis

The skeletal `Frog´ appliance for molar distalization

Effects of maxillary expansion – a systematic review

Molar distalization after treatment of class II malocclusions with the Herbst occlusal hinge

Application of different bracket ligature mechanisms – comparison of different forms of rotation various multi bracket apparatuses

Vergleich verschiedener Bracket-Bonding-Verfahren: Zeitbedarf und Langzeitergebnisse

Inclinations after therapy with the Lip Bumper

Use of the „tomas Uprighting Spring“ in the uprighting of molars – a case series

Distalization effects in skeletal anchorage

Influence of pins on side effects in the treatment with Herbst occlusal hinge

Influenceability of tinnitus with different medicinal therapies vs. use of dental splints

Space closure with different pins – a case series

Prospective analytical study for the quantitative evaluation of the placing of miniscrews to detect clinically visible location markers

Influence of epidemiologic factors and oral hygiene on the loss of mini pins

Reliable coupling of orthodontic elements to mini implants with cross slots – an in-vitro examination

Effects of apparatuses for maxillary expansion on the extrathoracic plenum, epiglottis and hyoid. A
retrospective kephalometric study.