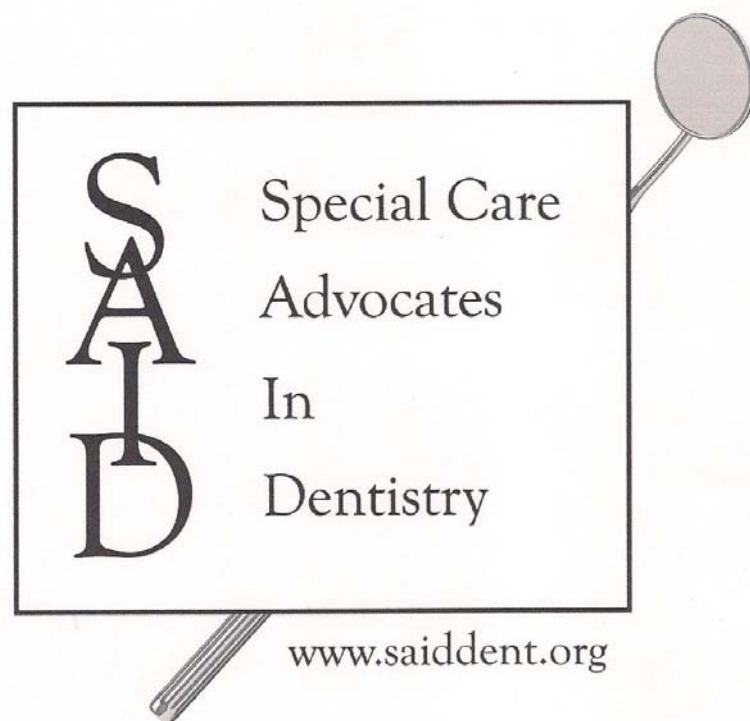


2015 ANNUAL SEMINAR NEW ORLEANS, LA.

Special Care Advocates in Dentistry 2015 Lit. Review

(SAID's Search of Dental Literature
Published in Calendar Year 2014*)



Compiled by:
Dr. Mannie Levi
Dr. Douglas Veazey

Special Acknowledgement to Mr. Timothy O'mara who provided computer support and literature searches.

Recent journal articles related to oral health care
for people with mental and physical disabilities.

Search Program = PubMed

Database = Medline

Journal Subset = Dental

Publication Timeframe = Calendar Year 2014*

Language = English

SAID Search-Term Results = 2,202

Initial Selection Result = 457 articles

Final Selection Result = 120 articles

SAID Search-Terms Employed:

- | | |
|------------------------------------|---------------------------------|
| 1. Intellectual disability | 21. Protective devices |
| 2. Mental retardation | 22. Moderate sedation |
| 3. Mental deficiency | 23. Conscious sedation |
| 4. Mental disorders | 24. Analgesia |
| 5. Mental health | 25. Anesthesia |
| 6. Mental illness | 26. Dental anxiety |
| 7. Dental care for disabled | 27. Nitrous oxide |
| 8. Dental care for chronically ill | 28. Gingival hyperplasia |
| 9. Self-mutilation | 29. Gingival hypertrophy |
| 10. Disabled | 30. Glossectomy |
| 11. Behavior management | 31. Sialorrhea |
| 12. Behavior modification | 32. Bruxism |
| 13. Behavior therapy | 33. Deglutition disorders |
| 14. Cognitive therapy | 34. Community dentistry |
| 15. Down syndrome | 35. State dentistry |
| 16. Cerebral palsy | 36. Gagging |
| 17. Epilepsy | 37. Substance abuse |
| 18. Enteral nutrition | 38. Syndromes |
| 19. Physical restraint | 39. Tooth brushing |
| 20. Immobilization | 40. Pharmaceutical preparations |

Program: EndNote X3 used to organize search and provide abstract. Copyright 2009 Thomson Reuters, Version X3 for Windows.

*NOTE: The American Dental Association is responsible for entering journal articles into the National Library of Medicine database; however, some articles are not entered in a timely manner. Some articles are entered years after they were published and some are never entered

- 1. Zandparsa R. Latest Biomaterials and Technology in Dentistry. Dent Clin N Am 58 (2014) 113-134**

Reviews current technology and biomaterials, including: Navigation Technology, Nanotechnology, Tissue engineering and Stem Cells
- 2. Kakudate N, et al. Factors Associated with dry mouth in dependent Japanese elderly. Gerodontology 2014; 31 11-18**

This study identified BMI, severity of physical disability, high daily water consumption, mouth breathing, use of antidepressants and diuretics, and frequency of brushing as factors in dry mouth in the elderly
- 3. Jaakkol S, et al. Dental fear affects adolescent perception of interaction with dental staff. Eur J Oral Sci 2014; 122: 339-345**

The purpose of this study was to explore whether subjective perception of interaction with dental staff was associated with dental fear in a population of 18 year olds. Adolescents with high dental fear did perceive their interactions with dental staff negatively more often
- 4. Gaudilliere D, et al. Caries Management by Risk Assessment in a Cleft and Craniofacial Center. J Craniofacial Surgery, Vol 25, Num 6, Nov. 2014**

Using CAMBRA on 161 patients this study found these patients to be at higher risk of dental caries, with high rates of risk factors and low rates of preventive factors.
- 5. Dantas-Neta N, et al. Dental Findings in Children with West syndrome. Special Care Dent 34(6) 2014: 291-294**

This is a rare syndrome impaired psychomotor and social development, and seizures. Eight children were examined. They showed deep palate, tongue interposition between the arches and tongue disposition on the incisive papilla.
- 6. Allareddy V, et al. Prevalence estimates and outcomes of mental health conditions in those hospitalized owing to dental conditions. OOOO Vol.118, No. 3 Sept. 2014: 300-308**

Between 2007 and 2010 twelve thousand patients with a diagnosis of a mental health condition were hospitalized for dental reasons. These individuals were more likely to be older and sicker and to use more hospital resources.
- 7. Idahosa C, et al. Thrombocytopenia absent radius (TAR) syndrome: a case report and review for oral health providers. Special Care Dent 34(5) 2014. 251-258**

TAR syndrome is a rare congenital disorder with potential implications impacting provision of dental care. This case report reviews its features.
- 8. Mullan BJ, et al. Analysis of time taken to discuss new patients with head and neck cancer in multidisciplinary team meetings. British Journal of Oral and Maxillofacial Surgery 52(2014) 128-133.**

A total of 105 patients were discussed at 10 MDT meetings. The mean time for each discussion was 2 minutes.
- 9. Symington JM, et al. Efficacy of a 10% chlorhexidine coating to prevent caries in at-risk community dwelling adults. Acta Odontologica Scandinavia. 2014; 72: 497-501.**

The purpose of this study was to determine the efficacy of a 10% chlorhexidine tooth coating in reducing the incidence of cavitated lesions in adults. The chlorhexidine proved to be effective in high risk patients with more than two lesions at the initial exam.

- 10. Czarnecki GA, et al. Nursing and Dental Students' and Pediatric Dentistry Residents' Responses to Experiences with Inter professional Education. Journal of Dental Education; 78:9: 1301-1312**
Nursing students who participated in a clinical pediatric dentistry rotation with third year dental students and pediatric residents improved their oral health related behavior and knowledge. The dental students improved their attitudes related to the importance of nurses doing caries risk assessment and recognizing caries.
- 11. Hellwig E, Lussi A. Oral Hygiene Products, Medications and Drugs- Hidden Aetiological Factors for Dental Erosion. IN: Lussi A, Ganss C (eds): Erosive Tooth Wear. Monogr Oral Sci. Basel, Karger 2014 ,vol 25, 155-162**
Discusses the effect of products with low pH, and medications that can cause oral dryness.
- 12. Jordan RA, et al. Efficacy of straight versus angled interdental brushes on interproximal tooth cleaning: a randomized controlled trial. Int. Journal of Dental Hygiene. 12, 2014; 152-157**
This study came to the conclusion that straight interdental brushes may remove interproximal plaque better than angled interdental brushes.
- 13. Ruospo M, et al. Prevalence and severity of oral disease in adults with chronic kidney disease: a systemic review of observational studies. Nephrol Dial Transplant (2014) 29: 364-375**
Oral disease is common in patients with CKD and may represent an important health burden. Eighty eight studies were evaluated.
- 14. Sankar V, et al. Diagnosis of Sjogren 's syndrome. American-European and the American College of Rheumatology Classification Criteria. Oral Maxillofacial Surg Clin N Am 26 (2014) 13-22**
This article discusses the differences between classification criteria for Sjogren's syndrome, and calls for refinement of the criteria due to increased understanding of the disease.
- 15. Aizenbud D, et al. Goldenhar syndrome and medulloblastoma: A coincidental Association? The first case report. Journal of Cranio-Maxillo-Facial Surgery 42 (2014) e91-e96**
- 16. Moosani A, et al. Evaluation of periodontal disease and oral inflammatory load in adults with special needs using oral neutrophil quantification. Spec Care Dentist 34(6) 2014: 303-312**
The purpose of this study was to assess the feasibility of using an assay of oral neutrophils to measure periodontal inflammation in uncooperative adults with special needs. The study found that the measure of gingival inflammation using the assay correlated positively with traditional periodontal parameters.
- 17. Amin M, Elsalhy M, Factors Affecting Utilization of Dental Services During Pregnancy. J Periodontol 2014; 85:1712-1721.**
This study attempted to identify and evaluate factors affecting utilization of dental services through the use of a questionnaire given to 423 mothers. The major factors predicting the use of dental services were: perceived need, habit of regular dental visits and access to services.
- 18. Park M, et al. Oral health comparison between children with neutropenia and healthy controls. Spec Care Dentist 34(1) 2014: 12-18**

This study assessed and compared the oral health of 15 neutropenia patients to 26 healthy controls. The study found no significant difference between the two groups.

- 19. Schafer CA, et al. Saliva Diagnostics: Utilizing Oral Fluids to Determine Health Status. IN: Ligtenberg AJM, Veerman ECI (eds): Saliva: Secretion and Functions. Monogr Oral Sci. Basel, Karger, 2014, vol24, 88-98**

This paper provides an overview of the techniques utilized in identifying saliva based markers /indicators of disease.

- 20. Nash DA, et al. A review of the global literature on dental therapists. Community Dent Oral Epidemiol 2014;42: 1-10.**

1100 articles from 26 different countries were reviewed. The evidence from these articles indicated that dental therapists provided safe, effective, quality care for children.

- 21. De Lugt-Lustig KHME et al. Effect of oral healthcare education on knowledge, attitude and skills of care home nurses: a systemic literature review. Community Dent Oral Epidemiol 2014;42:88-96.**

A review of the literature from 1990-2011 found that oral healthcare education may have a positive effect on home nurses' oralhealthcare knowledge and attitude.

- 22. Bots-VantSpijker PC, et al. Barriers of delivering oral health care to older people experienced by dentists: a systemic literature review. Community Dent Oral Epidemiol 2014;42:113-121**

A review of the literature from 1990-2011 found the following: the most common barriers to delivering health care to older people was lack of adequate equipment in a care home, lack of an adequate treatment area, lack of reimbursement and inadequate training.

- 23. Van der Putten GJ,et al. Poor oral health, a potential new geriatric syndrome. Gerodontology 2014; 31(Suppl. 1): 17-24.**

This article provides a review of the medical aspects of aging and age related diseases, followed by a discussion of their impact on general and oral health.

- 24. Sanchez GA, et al. Assessment of Physicians' Perception of HIV+ Patients 'Oral Health. Acta Odontol. Latinoam. (27)1:42-48.**

The purpose of this study was to design and validate an instrument for establishing perceptions of oral health held by physicians treating people living with HIV/AIDS.

- 25. Tanner S, et al. Parent's understanding of and accuracy in using measuring devices to administer liquid oral pain medication. JADA 2014; 145(2):141-149**

This study found that medicine cups were the device most frequently used. They were also had a higher occurrence of errors compared to other devices.

- 26. Joiner A, et al. Remineralization effect of a dual-phase calcium silicate/phosphate gel combined with calcium silicate/phosphate toothpaste on acid -challenged enamel in situ. Journal of Dentistry 42s1(2014) s53-s59**

Using the test regimen of a dual phase gel with toothpaste, the authors found greater remineralization than with toothpaste alone.

- 27. Fratto G, Manzon L. Use of Psychotropic Drugs and Associated Dental Diseases. Int'l J Psychiatry in Medicine; 48(3) 185-197, 2014**

This article reviews data on the psychotropic drugs used in the last 30 years with special attention to the side effects related to oral health.

- 28. Arheiam A, Omar S. Dental caries experience and periodontal treatment needs of 10-to 15-year old children with type 1 diabetes mellitus. *Int. Dental Journal* 2014; 64: 150-154.**
This study compared the DMFT and CPITN of 70 children with Type 1 DM to 70 healthy children matched for age and gender. The study found the children with Type 1 DM were at more risk for caries and periodontal disease.
- 29. Erkmen AM, et al. Assessing Changes in Oral Health-Related Quality of Life Following Dental Rehabilitation under General Anesthesia. *Journal of Clinical pediatric Dent.* (38)3:2014: 263-267**
The main purpose of this study was to determine whether dental treatment under general anesthesia improved oral health related quality of life for preschoolers and their families. The study found a significant improvement after treatment, and found that treatment under general anesthesia was acceptable to most of the parents surveyed.
- 30. Yuen HK, et al. Factors associated with gingival inflammation among adults with systemic sclerosis. *Int J Dent Hygiene* 12, 2014; 55-61**
Gingival inflammation was assessed in 48 individuals with systemic sclerosis. Manual dexterity loss due to Systemic sclerosis appears to be the biggest factor in these individuals.
- 31. Tadakamadia, J et al. Comparative evaluation of oral health status of chronic kidney disease (CKD) patients in various stages and healthy controls. *Special Care Dent.* 34(3) 2014:122-126**
The purpose of this study was to compare caries, oral hygiene, and periodontal status of CKD patients in different stages and healthy controls. Oral hygiene, gingival, and periodontal status decreased as the stage CKD increased and was worse than the controls. Caries did not differ significantly with the stage of renal disease.
- 32. Martins RB, et al. Cleidocranial dysplasia: report of six clinical cases. *Special Care Dent* 34(3) 2014 144-150**
- 33. Kanaffa-Kilijanska U, et al. Oral Health Condition and Hygiene Habits Among Adult Patients with Respect to Their Level of Dental Anxiety. *Oral Health Prev Dent* 2014;12:233-239**
This study showed that the higher the level of dental anxiety, the lower number of restored teeth and the higher the calculus index.
- 34. Campanaro M, et al. Facilitators and barriers to twice daily tooth brushing among children with special health care needs. *Special Care Dent* 34(4) 2014 185-192.**
The facilitators and barriers to tooth brushing by caregivers of CSHCN are similar to those noted among caregivers of typically developing children.
- 35. Charles CA, et al. Early Benefits with Daily Rinsing on Gingival Health Improvements with an Essential Oil Mouthrinse-Post-Hoc Analysis of 5 Clinical Trials. *J Dent Hygiene* 88 Supplement 2014: 40-50**
Analysis of 5 clinical trials showed a benefit to gingival health from use of an essential oil mouthrinse.
- 36. Mouradian WE, et al. Integration of Dentistry and Medicine and the Dentist of the Future: The Need for the Health Care Team. *CDA Journal* 42(10) 687-696: October 2014**
This article discusses the need for dentistry to increase integration with medicine and the larger health system.

- 37. Wilder RS, et al. Dentists' Practice Behaviors and Perceived Barriers Regarding Oral-Systemic Evidence: Implications for Education. Journal of Dental Education Vol 78 (9) 1252-1262**
This study suggests that dentists are not incorporating evidence of the oral-systemic connection. It postulates that future dental curricula should include more content on this.
- 38. Dougall A, et al. Guidance for the core content of a Curriculum in Special Care Dentistry at the undergraduate level. Eur J Dent Educ 18 2014; 39-43**
This article outlines a dental school curriculum in special care developed by the International Association for Disability and Oral Health.
- 39. Carlsson V, et al. Orofacial esthetics and dental anxiety: Associations with oral and psychological health. Acta Odontologica Scandinavica. 2014; 72: 707-713**
This study investigated self-rated orofacial esthetics in patients with dental anxiety and in relationship to psychological and oral health. The results showed less satisfaction with esthetics in patients with dental anxiety
- 40. Walls A. Developing pathways for oral care in elders: challenges in care for the dentate the subject? Gerodontology 2014; 31(Suppl.): 25-30**
This article reviews potential age related risk factors for satisfactory oral function in the older dentate person.
- 41. Townsend JA, et al. Use of Local Anesthesia During Dental Rehabilitation with General Anesthesia: A Survey of Dentist Anesthesiologists. Anesth Prog 61: 11-17 2014**
Ninety one percent of those answering the survey used local anesthesia at least part of the time. The most common procedure for which local anesthesia was used was extraction of teeth.
- 42. Ferreira do Amaral CO, et al. General and Stomatologic Aspects of Bardet-Biedl Syndrome. J of Craniofacial Surg. 25(6): e575-e578 Nov. 2014**
- 43. McNamara G, et al. Forget me not- the role of the general dental practitioner in dementia awareness. British Dental Journal 2014; 217: 245-248**
This article examines the role of the general dentist in dementia awareness, using the dentist-patient relationship to spot the early signs of dementia and plan for future dental treatment.
- 44. Kutsh VK. Dental caries: An updated medical model of risk assessment. J Prosthet Dent 2014;111:280-285**
Caries risk is related to just a few common factors, which results in common patterns of disease. This article examines the biofilm model of dental caries, identifies common disease patterns and discusses targeted therapeutic strategies to make CAMBRA more adaptable in the private practice setting.
- 45. Agarwal M, et al. Management of the Dental Patient on Anticoagulant Medication. NY State Dental Journal June/July 2014:29-32**
This article reviews several anticoagulant medications and how they should be managed in the dental setting
- 46. Ling GY, et al. Oral Health of older people admitted to hospital for needs assessment. New Zealand Dental Journal-December 2014:131-137**
This study assessed the oral health of 200 elderly patients who were cognitively competent but medically compromised and functionally dependent, finding poor oral health.
- 47. Conviser J, et al. Oral care behavior after purging in a sample of women with bulimia nervosa.**

JADA 145(4) April 2014:352-354

A sample of 292 women being treated for bulimia nervosa was surveyed. The results showed that the participants had a high level of concern about their oral health and a high incidence of oral health problems. Less than one third of those responding to the survey felt that their health care provider was the most helpful source of oral health information

- 48. Sharma P, et al. The periodontal health component of the Renal Impairment in Secondary Care (RIISC) cohort study: a description of the rationale, methodology and initial baseline results. J Clin Periodontol 2014; 41: 653-661**

Four hundred and sixty nine patients were examined. The prevalence and severity of chronic periodontitis was much higher than that of a geographically matched control population.

- 49. Da Mata C, et al. Cost-effectiveness of ART restorations in elderly adults: a randomized clinical trial. Community Dent Oral Epidemiol 2014; 42: 79-87**

In this study 82 patients were randomly allocated to receive either conventional restorations or ART. The authors found ART to be more cost effective after one year, especially when using an alternative workforce.

- 50. Schaffer R, et al. Down Syndrome and neurofibromatosis: a case report. Spec Care Dent 34 (6) 2014;313-318**

- 51. Lertsirivorakul J, et al. Oral Manifestations and dental management of a child with Zellweger syndrome. Spec Care Dent 34(1) 2014; 46-50**

Zellweger syndrome is a rare autosomal recessive disorder. It is characterized by craniofacial dysmorphism and neurological anomalies.

- 52. Parish CL, et al. Addressing the oral healthcare needs of special needs children: pediatric nurses' self-perceived effectiveness. Spec Care Dent 34 (2) 2014; 88-95**

Three hundred and seventy six nurses completed a survey. The findings revealed that nurses' oral health knowledge significantly influenced their perceived effectiveness.

- 53. Finkelman MD, et al. Relationship between duration of treatment and oral health in adults with intellectual and developmental disabilities. Spec Care Dent 34(4) 2014; 171-175**

This was a retrospective study of 107 patients with IDD who were under regular treatment. The study found a decrease in caries and an increase in periodontal disease over time.

- 54. Viana GR, et al. Chlorhexidine spray as an adjunct in the control of dental biofilm in children with special needs. Spec Care Dent 34(6) 2014; 286-290**

The use of a .12% chlorhexidine spray reduced the rates of dental and gingival plaque compared to the placebo group.

- 55. Tay CM, et al. Oral health and dental treatment needs of people with motor neurone disease. Australian Dent Journal 2014;59;309-313**

Motor neuron disease is a group of chronic degenerative disorders, which include ALS.

This study of 33 patients found that oral health was not affected by MND. This was attributed to highly motivated patients, caregivers, and staff.

- 56. Saltnes SS et al. Oral health-related quality –of-life and mental health in individuals with chronic obstructive pulmonary disease (COPD). Acta Odontologica Scandanavica 73: 14-20**

This study of 100 outpatients with COPD indicated that these patients had serious oral health issues.

- 57. Sarmadi R, et al. Laser in caries treatment- patients' experiences and opinions. Int J Dent Hygiene 12, 2014; 67-73**
 Twelve patients were given a an interview survey regarding their experience with laser treatment of caries. The results indicated that the patients found laser treatment safe, and less painful
- 58. Ozgul o, et al. The Impact of Handicap Severity on Oral and Periodontal Status of Patients with Mental Retardation. J Contemporary Dent Practice March-April 2014; 15(2): 218-222.**
 One hundred and five patients were included in this study. The results indicated that oral health depended on the patient's ability to maintain oral hygiene and worsened with the severity of the MR
- 59. Lopez NJ, et al. Routine Prophylaxes every 3 Months Improves Chronic Periodontitis Status in Type 2 Diabetes. J Periodontol July 2014;85(7) 232-240**
 This study followed 26 patients with DM type2 and chronic periodontitis compared to 26 patients with chronic periodontitis and no DM. The study found that prophylaxes every 3 months improved the periodontal condition in both groups.
- 60. Fjeld KJ, et al. Effect of electric toothbrush on residents' oral hygiene: a randomized clinical trial in nursing homes. Eur J Oral Sci 2014; 122: 142-148**
 One hundred and eighty nursing home residents were given either manual or electric toothbrushes. After 2 months the electric toothbrush was evaluated as beneficial and less time consuming
- 61. Pullyel D, et al. Restorative and Periodontal Challenges in Adults with Dystrophic Epidermolysis Bullosa. CDA Journal Vol 42, 5; 313-318**
 Reviews the oral manifestations of DEB and presents a case.
- 62. Subramaniam P,et al. Assessment of salivary total antioxidant levels and oral health status in children with Down syndrome. Spec Care Dent 34(4) 2014; 193-200**
 Children with Down syndrome in this study presented with lower total anti-oxidant capacity of saliva and higher salivary levels of sialic acid. The study concludes salivary antioxidant capacity can be a cost effective method for screening large populations.
- 63. Abanto J, et al. Associated factors to erosive tooth wear and its impact on quality of life in children with cerebral palsy. Spec Care Dent. 34(6) 2014; 278-285**
 Sixty children were examined for tooth erosion. Their parents/caregivers then filled out a questionnaire. The study found that erosion was associated to frequent consumption of soft drinks, powdered juices, and reported gastroesophageal reflux. Erosion was found to have no effect on health related quality of life.
- 64. Al-Allaq T, et al. oral health status of individuals with cerebral palsy at a nationally recognized rehabilitation center. Spec Care Dent 35(1) 15-21**
 This study reviewed the records of 478 patients with CP. The patients were divided into four different age groups. The study found differences in oral health between the age groups
- 65. Abanto J, et al. Impact of oral diseases and disorders on oral-health-related quality of life of children with cerebral palsy. Spec Care Dent 34(2) 2014; 56-63**
 Data were collected from 60 parents of children with CP. The results showed caries and bruxism to be the factors most associated with negative OHRQoL.

- 66. Corcuera-Flores JR, et al. Dental treatment for handicapped patients; Sedation vs general anesthesia and update of dental treatment in patients with different diseases. Med Oral Patol Oral Cir Bucal. 2014 March 1;19(2) 170-176**
This review article attempts to clarify which cases should have GA vs sedation, and what kind of treatment can be rendered in the hospital.
- 67. Patton LL, George SF, Hollowell RP. Content, quality, and readability of website information on dental care for patients with cancer. OOOO Vol. 118 No. 1 July 2014; 78-83.**
The study found websites addressing dental care for cancer patients were limited in quality and written at difficult reading levels.
- 68. Taichman LS, et al. Oral Health-Related Complications of Breast Cancer Treatment: Assessing Dental Hygienists' Knowledge and Professional Practice. J Dent Hyg. 2014 April; 88(2): 100-113**
A survey answered by 331 dental hygienists in Michigan showed that less than 10% of them felt their knowledge was up to date.
- 69. Brennan LJ, Strauss J. Cognitive Impairment in Older Adults and Oral Health Considerations. Dent Clin N Am 58 (2014) 815-828**
Reviews treatment and management of cognitively impaired older adults
- 70. Scannapieco FA, Shay K. Oral Health Disparities in Older Adults. Dent Clin N Am 58 (2014) 771-782**
This article reviews the relationship between oral bacteria, oral hygiene, and aspiration pneumonia.
- 71. Blanck-Lubarsch M, et al. Orthodontic treatment of children/adolescents with special health care needs: an analysis of treatment length and clinical outcome. BMC Oral health 2014,14:67;1-10**
Twenty nine patients with SHCNs were compared to 29 patients with no SHCNs. Clinical outcomes did not differ, but the group with SHCNs took longer to complete treatment.
- 72. Tavares M, et al. Systemic Diseases and Oral Health. Dent Clin N Am 58 (2014) 797-814**
This article reviews the relationship between several systemic diseases and oral health.
- 73. Jurasic MM, et al. Fluoride effectiveness in high caries risk and medically complex Veterans. Community Dent Oral Epidemiol 2014; 42; 543-552**
Reviewing the records of 140,114 high caries risk Veterans it was shown that fluoride use significantly reduced the risk of caries
- 74. Main B, et al. A Guide to Skin Cancer of the Face for the Dental Team. Dental Update 2014; 41: 111-118.**
This article discusses the three main types of skin cancer, highlighting clinical features.
- 75. Taverna MV, et al. Iatro-Compliance: An Unintended Consequence of Excessive Autonomy in Long Term Care Facilities. J Dent Hygiene 88(1) Feb. 2014; 53-60**
This study concludes that an oral health care director can decrease staff caused iatro-compliance in a long term care facility
- 76. McKelvey VA, et al. Adults with intellectual disability: a mixed-methods investigation of their experience of dental treatment under general anesthesia. New Zealand Dent J. June 2014; 58-64**

This article suggests that coordinating with other health services, reduced waiting time and improved waiting room layout can reduce anxiety in this patient population

77. Kim HS, et al. Association between harmful alcohol use and periodontal status according to gender and smoking. BMC Oral Health 2014; 14:73

Periodontal status was found to be related to alcohol use and smoking.

78. Oyetola EO, et al. Oral Findings in chronic kidney disease: implications for management in developing countries. BMC Oral Health 2014 15:24

This study compared 90 people with CKD to 90 people without CKD. Oral lesions were more prevalent in patients with CKD.

79. McKinney C, et al. Dental sealants and restorations and urinary bisphenol A concentrations in children I the 2003-2004 National Health and Nutrition Examination Survey. JADA145(7) July 2014;745-750

There was no statistically significant association between a greater number of sealants and restorations and higher urinary BPA concentrations.

80. Randall CL et al. Gagging and its associations with dental care-related fear, fear of pain and beliefs about treatment. JADA 145(5) May 2014; 452-458.

Four hundred seventy eight patients were surveyed. Increased gagging was related to greater levels of dental care related fear, fear of pain and negative beliefs about dentistry and dental treatment

81. Rohra AK, et al. Community Based Dental Education and Dentists' Attitudes and behavior concerning Patients from Underserved Populations. J of Dent Education 78(1) Jan. 2014;119-130

Data was collected from 254 graduates of the University Of Michigan School Of Dentistry. Those that had a structured community based experience had a more positive attitude toward treating underserved patients

82. Bimstein E, eat al. Oral Characteristics of Children with Visual or Auditory Impairments. Ped Dent 36(4) July/Aug 2014; 336-341

This study concluded that under oral health supervision there is no difference in dental caries prevalence between children with or without auditory or visual impairment

83. Listl,S. Oral health conditions and cognitive functioning in middle and later adulthood. BMC Oral Health 2014 14: 70

This study supports the idea that there is an association between oral health and cognitive functioning.

84. Romero-Perez MJ, etal. Implants in disabled patients: A review and update. Med Oral Patol Oral Cir Bucal. 2014 Sept. 1; 19(5):e478-482

This review of the literature suggests that oral implants can be a useful option in the disabled population, depending on proper case selection

85. Bilder L, et al. Oral Health status among long term hospitalized adults: a cross sectional study. PEERJ 2:e423-434

This study examined 153 patients in a geriatric and psychiatric hospital in Israel. The results showed that oral health among this population was poor.

86. Hermont AP, et al. Tooth erosion and eating disorders: A systemic Review and Meta-Analysis: Plos ONE 9(11):e111123

This review of the literature found that the evidence suggests a causal relationship between tooth erosion and eating disorders.

87. Piccoli L, et al. Tooth wear among patients suffering from mental disorders. Annali di Stomatologia 2014;V (2): 52-60

Ninety two psychiatric patients were given dental exams. The authors reached the following conclusions: Chronic exposure to neuroleptic drugs can cause bruxism, and these patients have poor oral hygiene and extensive unmet dental needs

88. Limeres-Posse j, et al. Behavioural aspects of patients with Autism Spectrum Disorders (ASD) that affect their dental management. Med Oral Patol Oral Cir Bucal.2014;19(5): e67-72

This article reviews behavior management techniques. The authors conclude that getting as much information as possible ahead of time from the parent/guardian can help choosing what technique to use.

89. Chadha GM, et al. Dental survey of Institutionalized Children with Autistic Disorder. Int J Clin Ped Dent 5(1): 29-32

A sample of 35 children found poor oral hygiene and high intake of sugar.

90. Morales-Chavez MC, et al. Prevalence of bucco-dental pathologies in patients with psychiatric disorders. J Clin Exp Dent. 2014;6(1): e7-11.

This study examined 65 hospitalized psychiatric patients. The authors concluded that these patients suffer from oral/dental pathologies at a higher rate than healthy people.

91. Mallineni SK and Yiu CKY. A retrospective Review of Outcomes of Dental Treatment performed for Special Needs Patients under General Anesthesia: 2- year Follow- Up. The Scientific World Journal 2014,748353.

In this study 177 patients that had dentistry under GA were followed for 2 years. The authors found that after 2 years only 36% of follow up appointments were kept. Over 20% of composites failed. SSCs were the most successful restoration.

92. Uhlen MM, et al. Self-induced vomiting and dental erosion- a clinical study. BMC Oral Health 2014,14:92

Seventy patients with self-induced vomiting were examined. The results showed a high rate of erosion.

93. Raman RPC et al. Effect of nonsurgical periodontal therapy verses oral hygiene instructions on Type 2 diabetes subjects with chronic periodontitis: a randomized clinical trial. BMC Oral Health 2014, 14:79

This study of 40 patients found that nonsurgical therapy reduced the plaque index more than oral hygiene instruction did.

94. Liu BY, et al. Glass ionomer ART sealant and fluoride-releasing resin sealant in fissure caries prevention – results from a randomized clinical trial. BMC Oral Health 2014, 14:54

In this study of 280 children, results for these two different sealants did not differ significantly after 24 months.

95. Molina GF, et al. One year survival of ART and conventional restorations in patients with disability. BMC Oral Health 2014, 14:49

66 patients (298 teeth) were restored. The study found that after one year ART was an effective treatment

- 96. Yuzbasioglu E, et al. Comparison of digital and conventional impression techniques: evaluation of patients' perception, treatment comfort, effectiveness and clinical outcomes. BMC Oral Health 2014 14:10**

Twenty four patients were surveyed after having impressions taken. They preferred the digital impression technique.

- 97. Lippert F, et al. Laboratory Investigations into Potential Anticaries Efficacy of Fluoride Varnishes. Ped Dent V36 / No 4 July/Aug 2014: 291-295.**

This study of 11 fluoride varnishes found great variation in their in vitro efficacy.

- 98. Savanheimo N, Vehkalahti MM, Five year follow up of children receiving comprehensive dental care under general anesthesia. BMC Oral Health 2014, 14: 154**

This study showed most children seen for GA continued to be uncooperative and fearful.

- 99. Donaldson M, et al. Managing the care of patients with Sjogren syndrome and dry mouth. JADA 2014;145(12):1240-1247**

This study of 151 patients showed significant differences in medication and comorbid medical conditions. A thorough medical and pharmacological history is extremely important.

- 100. PlemonsJM, et al. Managing xerostomia and salivary gland hypofunction. JADA 2014; 145(8):867-873.**

The report from the ADA council on scientific affairs.

- 101. Minihan PM, et al. At home oral care for adults with developmental disabilities. JADA 2014; 145(10):1018-1025.**

A survey was given to 808 caregivers. Most felt confident assisting with oral care. Family caregivers felt less confident than salaried caregivers.

- 102. Noble JM, et al. Serum IgA Antibody Levels to Periodontal Microbiota Are Associated with Incident Alzheimer Disease. PlosOne.Dec.2014**

219 patients were studied over five years. The authors concluded that serum IgA levels to common periodontal microbiota are associated with risk for developing incident Alzheimer disease.

- 103. Uppal RS, et al. Association between erectile dysfunction and chronic periodontitis: A clinical study. Indian Journal of Dental Research 2014;25(4): 430-433**

Based on this study of 53 patients with ED, the authors concluded that there is an association with chronic periodontitis.

- 104. Askenazi M, et al. Nephrocalcinosis Associated with Continuous Enamel Hypoplasia and Severe Alveolar Bone Loss: A Case Report and Literature Review. Ped Dent 36(3) May/June 2014: 250-253**

- 105. Petrova EG, et al. Children with Special Health Care Needs: Exploring the Relationships between Patients' Level of Functioning, Their Oral Health, and Caregivers' Oral Health-related Responses. Ped Dent 36(3) May/June 2014:233-239**

This study found that the better the level of functioning, the better the child's oral health, and the more comfortable the parents were with teaching their children brush.

106. **Celentano A, et al. Oral manifestations of phosphatase and tensin homolog hamartoma tumor syndrome.** JADA2014; 145(9):950-954
107. **Michalowicz BS, et al. Factors associated with the clinical response to nonsurgical periodontal therapy in people with type 2 diabetes mellitus.** JADA 2014;145(12): 1227-1239
In this study of 473 participants the authors conclude that baseline disease severity was associated with the magnitude of response to non-surgical therapy.
108. **Li C, et al. Periodontal therapy for the management of cardiovascular disease in patients with chronic periodontitis.** Cochrane Database of Systemic Reviews 2014, Issue 8. Art. No.: CD009197
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109. **Chong LY, et al. Slow Release fluoride devices for the control of dental decay.** Cochrane database of Systemic Reviews 2014, Issue 11. Art. No.: CD005101
This systemic review found insufficient evidence to support use of slow release fluoride devices.
110. **Szymanska S, et al. Dental Caries, Prevalence and Risk Factors in Patients with Crohn's Disease.** PLoS ONE 9(3)
This study showed that patients with Crohn's disease who had undergone restorative surgery had a higher DMF score and higher salivary counts of Lactobacilli and Strep Mutans
111. **Udhya J, et al. Autism Disorder (AD): An Updated Review for Paediatric Dentists.** J Clin and Diagnostic Research. 2014 Feb. Vol 8(2) 275-279
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112. **Sehrawat N, et al. Cerebral Palsy: A Dental Update.** Int J of Clinical ped Dent, May-August 2014; 7(2): 109-118
Reviews various dental considerations for the patient with CP
113. **Solanki j, et al. Dental Caries and Periodontal Status of Mentally Handicapped Institutionalized Children.** J Clin and Diagnostic Research 2014 Jul. Vol 8(7)25-27
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114. **Horie N, et al. Oral opportunistic infections in institutionalized patients with motor and intellectual disabilities.** J Oral Science, Vol56,No. 1,85-89
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115. **De Araujo AN, et al. Temporomandibular disorders in patients with schizophrenia using antipsychotic agents: a discussion paper.** Drug, Healthcare and Patient Safety 2014:6 21-27
This article reviews the clinical aspects of TMD in people with schizophrenia on antipsychotic drug therapy
116. **Nagraj SK, et al. Interventions for the management of taste disturbances.** Cochrane Database of Systemic Reviews 2014, Issue 11. Art. No. CD101470
This systemic review assesses the effect of interventions for the management of patients with taste disturbances
117. **Zenthofer A, et al. Comparison of oral health among older people with and without dementia.** Community Dental Health(2014) 31, 27-31

Ninety three older patients were examined. Those with dementia appeared to have poorer oral health

- 118. Chi Donald L., Ettinger Ronald L. Prevention and Nonsurgical Management of Dental Caries Over the Life Course for Individuals With Special Health Care Needs. CDA Journal 42(7): 455-463**

This paper discusses oral health related issues for patients with special needs throughout life and outlines various clinical strategies.

- 119. Mun SJ, et al. Reduction in dental plaque in patients with mental disorders through the dental hygiene care programme. Int J Dent Hygiene 12, 2014, 133-140**

A total of 73 patients with mental illness were divided into three groups and followed over 12 weeks. The group that received a short video and brochure every 4 weeks showed a reduced plaque index

- 120. Curtin C, et al. Dental Implications of New Oral Anticoagulants for Atrial Fibrillation. Dental Update, July/August 2014; 41: 526-531**

This article reviews new oral anticoagulants