

1. [Comparison of Conventional Treatment vs. Ozone for Occlusal Caries with Ozone Therapy](#)
2755 Comparison of Conventional Treatment vs. **Ozone** for Occlusal Caries with **Ozone** Therapy N. JOHNSON 1, J. JOHNSON 1, H. DOMINGO 2, and E. LYNCH 2, 1 Private practice, Wales, United Kingdom, 2 Queen's University Belfast, United Kingdom Traditional restorative treatment for a carious lesion involves ...
2. [Ozone Effects on in vitro Biofilm](#)
Ozone Effects on in vitro Biofilm E. ZAURA, Academic Centre for Dentistry Amsterdam, Netherlands, and J.M. TEN CATE, Academic Centre for Dentistry Amsterdam (ACTA), Netherlands **Ozone** is a very powerful oxidizer that oxidizes any organic matter on its way. This property makes **ozone** a potent disinfectant ...
3. [Ozone: The Revolution in Dentistry?](#)
Ozone: The Revolution in Dentistry? E. LYNCH, Queens University Belfast, United Kingdom **Ozone** has been shown to clinically reverse pit and fissure as well as root carious lesions. Objective: This study compared the reversal of caries using **Ozone** from 15 studies. Methods: Data from 15 randomised, controlled ...
4. [12-month Assessment of Ozone on Root Caries](#)
2408 12-month Assessment of **Ozone** on Root Caries A. BAYSAN, Birmingham University, Dental School, United Kingdom, and E. LYNCH, Queen's University, Belfast, United Kingdom Objectives: The objective was to assess the safety and efficacy of a novel **ozone** delivery system 1 with or without a root sealant ...
5. [Ozone in Dentistry](#)
0165 **Ozone** in Dentistry E.F. REICH, Biberach, Germany **Ozone** is a very powerful oxidizer, which is used for disinfection in the food industry, medicine and water treatment. For a few years it is used in dentistry to treat caries in a more causal way than with the use of operative procedures. Besides ...
6. [Clinical Assessment of Ozone on Root Caries](#)
0080 Clinical Assessment of **Ozone** on Root Caries A. BAYSAN, University of Birmingham, United Kingdom, and E. LYNCH, Queens University Belfast Objectives: The objective was to assess the safety and efficacy of a **ozone** delivery system 1 with or without a root sealant 2 for the management of root caries ...
7. [Restoration of Ozone treated carious lesions](#)
Restoration of **Ozone** treated carious lesions L. STEIER, Dental Clinic, Mayen, Germany Some Dentists are currently treating stained carious lesions with **Ozone** without placing any restoration whilst others are bonding composite resin on top of the **Ozone** treated stained lesion. Objectives: The aim of ...
8. [The effect of ozone on tooth colour in vitro](#)
0134 The effect of **ozone** on tooth colour in vitro K. GUJRAL, B.J. MILLAR, and C. LOUCA, King's College London, United Kingdom Objectives: It has been suggested that when **ozone** breaks down to release a free oxygen radical this may be able to whiten teeth. The aim of this study is to measure any change ...
9. [Ozone Treatment of Root Caries after 18-Months](#)
2881 **Ozone** Treatment of Root Caries after 18-Months J. HOLMES, Queen's University of Belfast, United Kingdom Objectives: The objective was to assess the efficacy of an **ozone** delivery system1 combined with the daily use of a remineralising toothpaste, mouthrinse and spray 1 for the management of non ...
10. [Ozone and Sealant Treatment of Root Caries after 6-Months](#)
Ozone and Sealant Treatment of Root Caries after 6-Months L. STEIER, Private Practice, Mayen, Germany, G. STEIER, Tufts University, Medford, MA, USA, H. DOMINGO, Queen's University of Belfast, England, and E. LYNCH, Queens University Belfast, United Kingdom Arrested root caries may need the use of ...
11. [Ozone Treatment of Root Caries after 21-Months](#)
0117 **Ozone** Treatment of Root Caries after 21-Months J.C. HOLMES, Queen's University of Belfast, United Kingdom Objectives: The objective was to assess the efficacy of an **ozone** delivery system1 combined with the daily use of a remineralising toothpaste, mouthrinse and spray(KaVo GmbH) for the management ...
12. [Clinical reversal of root caries using ozone](#)
2733 Clinical reversal of root caries using **ozone** A. BAYSAN, Restorative Dent and Gerodontology, Queen's University Belfast, Northern Ireland and Bart's and the London QMSMD, London, United

- Kingdom, and E. LYNCH, Restorative Dent and Gerodontolgy, Queens University Belfast, Northern Ireland, United ...
13. [Effect of Ozone on Surface Hardness of Restorative Materials](#)
2008 Effect of **Ozone** on Surface Hardness of Restorative Materials D. CAMPBELL 1, D.L. HUSSEY 2, L. CUNNINGHAM 2, and E. LYNCH 2, 1 Royal Group of Hospitals, Belfast, United Kingdom, 2 Queen's University, Belfast, United Kingdom Objective: There has been much recent interest in the use of **ozone** as an ...
 14. [Ozone and Sealant Treatment of Root Caries](#)
1362 **Ozone** and Sealant Treatment of Root Caries L. STEIER, Private Practice, Mayen, Germany, and G. STEIER, Tufts University, Medford, MA, USA Arrested root caries may need the use of flowable composite resins to improve esthetics. Objectives: To assess the efficacy of **ozone** (HealOzone, KaVo) to reverse ...
 15. [Patients Attitudes to Caries Management using Ozone](#)
Patients Attitudes to Caries Management using **Ozone** L. STEIER 1, G. STEIER 2, R. FREEMAN 3, H. DOMINGO 3, and E. LYNCH 4, 1 Private Practice, Mayen, Germany, 2 Tufts University, Medford, MA, USA, 3 Queen's University of Belfast, United Kingdom, 4 Queens University Belfast, England **Ozone** is currently ...
 16. [Ozone Treatment of Occlusal Caries in Primary Teeth: Immediate Effects and Correlation of Diagnostic Methods](#)
0683 **Ozone** Treatment of Occlusal Caries in Primary Teeth: Immediate Effects and Correlation of Diagnostic Methods M. MARASHDEH, O. ABU-SALEM, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** (O3) has been clinically proven to reverse fissure caries and root caries. It is now being further ...
 17. [Low concentration ozone treatment insufficient to control DUWL biofilm](#)
0714 Low concentration **ozone** treatment insufficient to control DUWL biofilm B.E. CARDON 1, P.D. ELEAZER 2, R.D. MILLER 1, and R.H. STAAT 1, 1 University of Louisville, KY, USA, 2 University of Alabama at Birmingham, USA Most general practice dental unit water lines (DUWL) harbor biofilms that continually ...
 18. [Restoration of ART and Ozone treated primary root carious lesions](#)
Restoration of ART and **Ozone** treated primary root carious lesions J.C. HOLMES, Queen's University of Belfast, United Kingdom Objectives: This study assessed placement time required and durability of restorations placed on ART and **Ozone** treated primary root carious lesions (PRCL) in the most severe ...
 19. [Clinical reversal of root caries using ozone](#)
Clinical reversal of root caries using **ozone** E. LYNCH, N. JOHNSON, and J. JOHNSON, Queen's University of Belfast, United Kingdom Objectives: The objective was to assess the safety and efficacy of a novel **ozone** delivery system (1) for the management of soft primary root caries as well as non cavitated ...
 20. [Patients' Attitudes to Dental Treatment Using Ozone vs. Conventional Treatment](#)
0679 Patients' Attitudes to Dental Treatment Using **Ozone** vs. Conventional Treatment N. JOHNSON 1, J. JOHNSON 1, K. JOHNSON 1, L. ABU-NABA'A 2, H. AL SHORMAN 2, R. FREEMAN 2, and E. LYNCH 2, 1 Private practice, Wales, United Kingdom, 2 Queen's University, Belfast, United Kingdom **Ozone** has been shown ...
 21. [Reducing Barriers to Care in Patients Managed with Ozone](#)
3473 Reducing Barriers to Care in Patients Managed with **Ozone** H. DOMINGO 1, L. ABU-NABA'A 2, H.M. AL SHORMAN 1, J. HOLMES 1, R. FREEMAN 1, and E. LYNCH 1, 1 Queen's University of Belfast, United Kingdom, 2 Jordan University of Science and Technology, Irbid, Jordan **Ozone** has been shown to clinically ...
 22. [Treating Caries in Anxious Children with Ozone: Parents' Attitudes after the First Session](#)
2034 Treating Caries in Anxious Children with **Ozone**: Parents' Attitudes after the First Session J.E. DÄHNHARDT, T. JAEGGI, N. SCHEIDEGGER, N. KELLERHOFF, P. FRANCESCUT, and A. LUSSI, University of Bern, Switzerland Treating anxious children remains a challenge in pediatric dentistry. Many times the ...
 23. [Ozone Treatment of Pit and Fissure Caries: 6-month Results](#)
0675 **Ozone** Treatment of Pit and Fissure Caries: 6-month Results L. ABU-NABA'A 1, H. AL SHORMAN 1, M. STEVENSON 2, and E. LYNCH 1, 1 Queen's University, Belfast, United Kingdom, 2 Queen's university Belfast, United Kingdom **Ozone** continues to be investigated as a pharmaceutical treatment for pit and ...
 24. [Patients Attitudes to Managing Caries with Ozone](#)
1337 Patients Attitudes to Managing Caries with **Ozone** H. DOMINGO, C. SMITH, R. FREEMAN,

and E. LYNCH, Queens University, Belfast, United Kingdom Objectives: **Ozone** is currently being used as an alternative to local anaesthesia, drilling and filling for the management of dental caries. Treatment with ...

25. [Clinical Reversal of Pit and Fissure Caries After Using Using Ozone](#)
0674 Clinical Reversal of Pit and Fissure Caries After Using Using **Ozone** D. REANEY, GKT, King's College Dental Institute, London, United Kingdom, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal pit ...
26. [The Effect of Ozone on Fissure Caries in Permanent Molars](#)
3466 The Effect of **Ozone** on Fissure Caries in Permanent Molars K.C. HUTH, E. PASCHOS, and R. HICKEL, University of Munich, Germany Objectives: The aim of this controlled prospective clinical study was to assess the effect of **ozone** on non-cavitated initial occlusal fissure carious lesions without the ...
27. [Patients Attitudes to Managing Caries with Ozone](#)
3154 Patients Attitudes to Managing Caries with **Ozone** L. STEIER 1, G. STEIER 2, R. FREEMAN 3, H. DOMINGO 3, and E. LYNCH 3, 1 Private Practice, Mayen, Germany, 2 Tufts University, Medford, MA, USA, 3 Queen's University of Belfast, England **Ozone** is currently being used by thousands of Dentists as an ...
28. [Ozone Efficacy in Treatment of Occlusal Caries in Primary Teeth](#)
0685 **Ozone** Efficacy in Treatment of Occlusal Caries in Primary Teeth O. ABU-SALEM, M. MARASHDEH, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** is now being investigated as a pharmaceutical treatment for occlusal caries in permanent and primary teeth. Aims: To assess and monitor the ...
29. [Cost Benefit Assessment of a Novel Ozone Delivery System vs. Conventional Treatment](#)
0684 Cost Benefit Assessment of a Novel **Ozone** Delivery System vs. Conventional Treatment N. JOHNSON 1, J. JOHNSON 1, and E. LYNCH 2, 1 Private practice, Wales, United Kingdom, 2 Queen's University, Belfast, United Kingdom Introduction: **Ozone** is showing great promise as an interceptive management treatment ...
30. [Attitudes of Patients to Ozone in a General Practice](#)
Attitudes of Patients to **Ozone** in a General Practice D. JOSHI, Private practice, London, United Kingdom **Ozone** has been shown to clinically reverse carious lesions. Objectives: This study aimed to assess the attitudes of patients to a new treatment method of treating caries with an **ozone** delivery system ...
31. [Ozone Efficacy in Treatment of Occlusal Caries in Primary Teeth](#)
0989 **Ozone** Efficacy in Treatment of Occlusal Caries in Primary Teeth O. ABU-SALEM, M. MARASHDEH, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** is now being investigated as a pharmaceutical treatment for occlusal caries in permanent and primary teeth. Aims: To assess and monitor the ...
32. [Arresting Occlusal Fissure Caries Using Ozone](#)
0678 Arresting Occlusal Fissure Caries Using **Ozone** J. HOLMES, Adentec & UKSmiles, Berkshire, United Kingdom, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal fissure caries. This study aimed to assess ...
33. [Bond strength of glass-ionomer's to dentine after Heal Ozone treatment](#)
0063 Bond strength of glass-ionomer's to dentine after Heal **Ozone** treatment B. CZARNECKA 1, P. DERÊGOWSKA-NOSOWICZ 1, M. PRYLINSKI 2, and H. LIMANOWSKA-SHAW 1, 1 University of Medical Sciences, Poznań, Poland, Poland, 2 School of Dental Technicians and Hygienist, Poznań, Poland Bond strength of ...
34. [Ozone, An Effective Treatment For Dental Unit Water Lines](#)
0711 **Ozone**, An Effective Treatment For Dental Unit Water Lines H.M. AL SHORMAN, L. ABU-NABA'A, W.A. COULTER, and E. LYNCH, Queens University Belfast, United Kingdom **Ozone** (O₃) has been used for purification of water due to its efficiency and lack of side effects. Objectives: The aim of this study was ...
35. [Efficacy of Ozone to Reverse Occlusal Caries](#)
2753 Efficacy of **Ozone** to Reverse Occlusal Caries R. MORRISON, Harbour Dental Practice, Donaghadee, United Kingdom, and E. LYNCH, Queen's University Belfast, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal pit and fissure caries. Objectives ...
36. [Antimicrobial Efficacy of Ozone on Enterococcus faecalis](#)
1671 Antimicrobial Efficacy of **Ozone** on Enterococcus faecalis H.H. CHANG, C. FULTON, and E.

- LYNCH, Queen's University of Belfast, United Kingdom Aim: To investigate the bactericidal efficacy of **Ozone** on different concentrations of Enterococcus faecalis Methods: Enterococcus faecalis was ...
37. [Influence of ozone treatment on marginal adaptation of fissure sealing](#)
0062 Influence of **ozone** treatment on marginal adaptation of fissure sealing K.-A. HILLER, M. FEDERLIN, A. MACKOW, M. REDLICH, and G. SCHMALZ, University of Regensburg, Germany Objectives: In the present study the influence of supplementary **ozone** treatment prior to fissure sealing upon the adhesion ...
 38. [In-Vivo Reversal of Occlusal Caries with Ozone after Six Months](#)
In-Vivo Reversal of Occlusal Caries with **Ozone** after Six Months G. MEGIGHIAN, and L. BERTOLINI,, Private practice, Verona, Italy The use of **ozone** using HealOzone technology allows the treatment of a vast range of dental caries at a very early stage and to induce lesion remineralisation from saliva ...
 39. [The Effect of Ozone Application on Fissure Caries QLF Readings](#)
3111 The Effect of **Ozone** Application on Fissure Caries QLF Readings L. ABU-NABA'A, H. AL SHORMAN, and E. LYNCH, Queens University Belfast, United Kingdom Fissure caries is a problem to diagnose and treat. **Ozone** (O 3) has been proven to clinically reverse root caries and affect its quantitative light ...
 40. [Reducing Barriers to Care in Patients Managed with Ozone](#)
0677 Reducing Barriers to Care in Patients Managed with **Ozone** H. DOMINGO, L. ABU-NABA'A, H. AL SHORMAN, J. HOLMES, M. MARASHDEH, O. ABU-SALEM, C. SMITH, R. FREEMAN, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** is an alternative management strategy for dental caries. Its application ...
 41. [The Use of Ozone in Dentistry - Antimicrobial and Cellular Aspects](#)
The Use of **Ozone** in Dentistry - Antimicrobial and Cellular Aspects K.C. HUTH 1, K. KAMERECK 2, K. BRAND 2, and R. HICKEL 1, 1 University of Munich, Germany, 2 Technische Universität München, Munich, Germany Recently, the use of **ozone** as an antiseptic agent has become a relevant topic in dentistry. ...
 42. [Immediate Effect of Ozone Application In-vivo on DIAGNOdent Readings](#)
3469 Immediate Effect of **Ozone** Application In-vivo on DIAGNOdent Readings L. ABU-NABA'A, Jordan University of Science and Technology, Irbid, Jordan, H.M. AL SHORMAN, Queen's University of Belfast, United Kingdom, and E. LYNCH, Queens University Belfast, United Kingdom **Ozone** is proposed as a novel pharmaceutical ...
 43. [Clinical Reversal of Occlusal Pit and Fissure Caries Using Ozone](#)
2752 Clinical Reversal of Occlusal Pit and Fissure Caries Using **Ozone** J. HOLMES, Private Practice, Berkshire, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and occlusal fissure caries. This study aimed to assess the use of **ozone** to manage fissure caries extending ...
 44. [Effective Treatment of Occlusal Fissure Caries Using Ozone](#)
0676 Effective Treatment of Occlusal Fissure Caries Using **Ozone** N. JOHNSON 1, J. JOHNSON 1, K. JOHNSON 1, and E. LYNCH 2, 1 Private practice, Wales, United Kingdom, 2 Queen's University, Belfast, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal ...
 45. [Healing of Pit and Fissure Caries after Using Ozone](#)
1174 Healing of Pit and Fissure Caries after Using **Ozone** P. JACKSON, Amwell Street Dental Practice, Herts, United Kingdom, and E. LYNCH, Queen's University, Belfast, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal pit and fissure caries. Objectives ...
 46. [Reversal of Caries Using Airabrasion and Ozone- Nine Month Results](#)
3467 Reversal of Caries Using Airabrasion and **Ozone**- Nine Month Results C.P.S. CLIFFORD, Private Practice, Isle of Wight, United Kingdom Aim: To investigate the effects of air abrasion, **ozone** application and sealing on carious approximal lesions in posterior teeth. Methods: Deep approximal dental ...
 47. [Patients' Attitudes toward and Satisfaction with Managing Caries with Ozone as a Routine Treatment in Dental Private Practice](#)
2069 Patients' Attitudes toward and Satisfaction with Managing Caries with **Ozone** as a Routine Treatment in Dental Private Practice G.D. MEGIGHIAN, and M.V. DAL VERA, Private Practice, Verona, Italy **Ozone** with the HealOzone (KaVo, Germany) is currently being used as an alternative treatment of dental ...

48. [Effective Treatment of Occlusal Fissure Caries Using Ozone](#)
2754 Effective Treatment of Occlusal Fissure Caries Using **Ozone** N. JOHNSON 1, J. JOHNSON 1, K. JOHNSON 1, and E. LYNCH 2, 1 Private practice, Wales, United Kingdom, 2 Queen's University Belfast, United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal ...
49. [Reversal of Occlusal Caries using Air Abrasion, Ozone, and Sealing](#)
3468 Reversal of Occlusal Caries using Air Abrasion, **Ozone**, and Sealing J. HOLMES, and E. LYNCH, Queen's University of Belfast, United Kingdom **Ozone** has been shown to clinically reverse early pit and fissure as well as early root carious lesions. Objectives: To assess the hardness of **ozone**-treated ...
50. [Successful Use of Airabrasion in Conjunction with Ozone Treatment](#)
2747 Successful Use of Airabrasion in Conjunction with **Ozone** Treatment C. CLIFFORD, Private Practice, Cowes, Isle of Wight, United Kingdom Most research in the use of **ozone** in the remineralisation of carious dentine has been confined to the treatment of occlusal caries. However many carious lesions ...
51. [Clinical Reversal of Occlusal Pit and Fissure Caries Using Ozone](#)
3470 Clinical Reversal of Occlusal Pit and Fissure Caries Using **Ozone** A. HAMID, University of London, United Kingdom **Ozone** has been shown in many studies to clinically reverse primary root carious lesions and early occlusal pit and fissure caries. This study aimed to assess the use of **Ozone** to manage ...
52. [In vivo Treatment of Occlusal Caries with Ozone: One and Two Months' Effect with Light-induced Fluorescence \(QLF\) as Diagnostic Methods](#)
2756 In vivo Treatment of Occlusal Caries with **Ozone**: One and Two Months' Effect with Light-induced Fluorescence (QLF) as Diagnostic Methods G.D. MEGIGHIAN, and L. BERTOLINI, Private Practice, Verona, Italy **Ozone** has been proven to reverse root caries and pit and fissure carious lesions clinically ...
53. [6-month Clinical Indices Changes after Ozone Treatment of Pit and Fissure Caries \(PFC\)](#)
0983 6-month Clinical Indices Changes after **Ozone** Treatment of Pit and Fissure Caries (PFC) L. ABU-NABA'A, H. AL SHORMAN, and E. LYNCH, Queen's University Belfast, United Kingdom **Ozone** treatment of PFC is investigated in a controlled clinical trial. Objectives: to quantify changes in clinical indices ...
54. [6-months Fissure Sealant Retention Over Ozone- treated Occlusal Caries](#)
3472 6-months Fissure Sealant Retention Over **Ozone**- treated Occlusal Caries L. ABU-NABA'A, Jordan University of Science and Technology, Irbid, Jordan, H.M. AL SHORMAN, Queen's University of Belfast, and E. LYNCH, Queens University Belfast **Ozone** is combined with a fissure sealant (FS) as a treatment ...
55. [Clinical Indices changes in Ozone Treatment of Pit and Fissure Caries](#)
1173 Clinical Indices changes in **Ozone** Treatment of Pit and Fissure Caries L. ABU-NABA'A, H. AL SHORMAN, and E. LYNCH, Queen's University, Belfast, United Kingdom Objectives:As **Ozone** continues to be investigated as a pharmaceutical treatment for pit and fissure carious lesions (PFCLs) in a longitudinal ...
56. [Ability of Therapeutic Levels of Ozone to Oxidatively Consume Biomolecules](#)
Ability of Therapeutic Levels of **Ozone** to Oxidatively Consume Biomolecules C. SMITH, M. GROOTVELD, C. SILWOOD, L. ABU-NABA'A, .H. AL SHORMAN, and E. LYNCH, Queen's University of Belfast, United Kingdom Objectives: The powerful microbiocidal activity of **ozone** (O₃)is well known and previous investigations ...
57. [Economic Savings Treating Root Caries with Ozone or Air Abrasion](#)
Economic Savings Treating Root Caries with **Ozone** or Air Abrasion H. DOMINGO, J. HOLMES, L. ABU-NABA'A, .H. AL SHORMAN, A. BAYSAN, and R. FREEMAN, Queen's University of Belfast, United Kingdom Objectives: To assess if new technologies in a dental practice could reduce the time and cost for treatment ...
58. [Treatment of Primary Occlusal Pit and Fissure Caries with Ozone: Six-month Results](#)
2750 Treatment of Primary Occlusal Pit and Fissure Caries with **Ozone**: Six-month Results M.A. CRONSHAW, Private Practice, Isle of Wight, United Kingdom **Ozone** has been shown to be effective in the arrest and reversal of primary pit and fissure as well as root carious lesions. Objectives: This study aimed ...
59. [Remineralization of Occlusal Pit and Fissure Caries After Using Ozone](#)
0680 Remineralization of Occlusal Pit and Fissure Caries After Using **Ozone** R. MORRISON, Harbour Dental Practice, Donaghadee, United Kingdom, and E. LYNCH, Queen's University, Belfast,

- United Kingdom **Ozone** has been shown to clinically reverse primary root carious lesions and early occlusal pit and fissure ...
60. [Oxidative Consumption of Root Caries Biomolecules by Ozone](#)
Oxidative Consumption of Root Caries Biomolecules by **Ozone** M. GROOTVELD, J. HOLMES, N. JOHNSON, C. SILWOOD, A. BAYSAN, and E. LYNCH, Queen's University of Belfast, United Kingdom Objectives: Restorative treatment of primary root carious lesions (PRCLs) represents a major challenge. This investigation ...
 61. [OHManagement Software for quality management in an ozone treatment practice](#)
0715 OHManagement Software for quality management in an **ozone** treatment practice V. SCHOLZ, Zentrum fur Sanfte Zahnheikunde, Lindau, Germany The set-up of dental practices in Germany is oriented at repair of carious lesions. Preventive care is not yet standardised and possibilities to monitor the efficacy ...
 62. [Reversal of Occlusal Pit and Fissure Caries by Ozone](#)
0682 Reversal of Occlusal Pit and Fissure Caries by **Ozone** T. DALY, Private practice, Harwich, United Kingdom, and E. LYNCH, Queen's University, Belfast, United Kingdom Objectives: This study assessed the effect of a novel **ozone** delivery system 1 on primary pit and fissure carious lesions over a 10 ...
 63. [Oxidative Consumption of Biomolecules by Therapeutic Levels of Ozone](#)
2114 Oxidative Consumption of Biomolecules by Therapeutic Levels of **Ozone** M. TURNER, M. GROOTVELD, C. SILWOOD, and E. LYNCH, Queens University, Belfast, United Kingdom Objectives: The potent microbicidal actions of **ozone** (O₃) are well known and recent investigations have demonstrated its potential ...
 64. [Bleaching of Components Responsible for Extrinsic Tooth Discoloration by Ozone](#)
0615 Bleaching of Components Responsible for Extrinsic Tooth Discoloration by **Ozone** J. HOLMES 1, M. GROOTVELD 2, C. SMITH 2, A. CLAXSON 2, and E. LYNCH 3, 1 Private practice, Berkshire, United Kingdom, 2 St. BTMW's, London, 3 Queen's University, Belfast, United Kingdom Objectives: Extrinsic tooth discolouration ...
 65. [Clinical Reversal of Occlusal Pit and Fissure Caries After Using Ozone](#)
0681 Clinical Reversal of Occlusal Pit and Fissure Caries After Using **Ozone** P. STINSON 1, H. AL SHORMAN 2, L. ABU-NABA'A 2, and E. LYNCH 2, 1 Private practice, Belfast, United Kingdom, 2 Queen's University, Belfast, United Kingdom Objectives: This study aimed to assess the use of **Ozone** generated from ...
 66. [Oxidative Modification of Salivary Biomolecules with Therapeutic Levels of Ozone](#)
4109 Oxidative Modification of Salivary Biomolecules with Therapeutic Levels of **Ozone** A. CLAXSON, C. SMITH, M. TURNER, C. SILWOOD, E. LYNCH, and M. GROOTVELD, Queens University, Belfast, United Kingdom Objectives: Previous studies have demonstrated that **ozone** (O₃) exerts a powerful bactericidal action ...
 67. [Clinical Reversal of Occlusal Pit and Fissure Caries after Using Ozone](#)
2757 Clinical Reversal of Occlusal Pit and Fissure Caries after Using **Ozone** P. STINSON, Private practice, Belfast, United Kingdom Objectives: This study aimed to assess the use of **Ozone** generated from a novel device(HealOzone unit, CurOzone USA and KaVo, Grmany) to manage pit and fissure caries over ...
 68. [Primary Colonization of DUWL by P. aeruginosa and its Eradication by Ozone](#)
2183 Primary Colonization of DUWL by P. aeruginosa and its Eradication by **Ozone** H. AL SHORMAN, L. ABU-NABA'A, W.A. COULTER, and E. LYNCH, Queen's University Belfast, United Kingdom Pseudomonas aeruginosa (P.A.) may colonise Dental Unit Waterlines (DUWL) and be a risk for immunocompromised adults and ...
 69. [Treating open caries lesions in anxious children with ozone](#)
Treating open caries lesions in anxious children with **ozone** A. LUSSI, and J.E. DÄHNHARDT, University of Bern, Switzerland Treating anxious children with dental caries is always a challenge. The most common options are hypnosis, laughing gas, premedication, conscious sedation and general anaesthesia ...
 70. [15-months Sealant Retention Over Ozone-treated Occlusal Caries](#)
0843 15-months Sealant Retention Over **Ozone**-treated Occlusal Caries L. STEIER, Private Practice, Mayen, Germany, E. LYNCH, Queens University Belfast, England, and G. STEIER, Tufts University, Medford, MA, USA **Ozone** is recommended combined with a “bonded” flowable composite resin sealant (FCS) as a ...
 71. [Fissure Sealant Retention over Ozone-Treated Occlusal Caries: 12-Months Results](#)
0844 Fissure Sealant Retention over **Ozone**-Treated Occlusal Caries: 12-Months Results L.A. ABU-NABA'A 1, H.M. AL SHORMAN 2, and E. LYNCH 2, 1 Jordan University of Science and

- Technology, Irbid, Jordan, 2 Queen's University of Belfast, United Kingdom **Ozone** is combined with a fissure sealant (FS) as a ...
72. [Oxidising actions of an Anti-Bacterial Ozone-Generating Device towards Root Caries Biomolecules](#)
0939 Oxidising actions of an Anti-Bacterial **Ozone**-Generating Device towards Root Caries Biomolecules E. LYNCH, C. SILWOOD, C. SMITH, and M. GROOTVELD, Queens University, Belfast, United Kingdom Objectives: Restorative treatment of primary root carious lesions (PRCLs) prevents a challenge to the dental ...
 73. [1H NMR Analysis of Ozone-treated Grapeseed, Olive, and Sunflower Seed Oils](#)
0182 1H NMR Analysis of **Ozone**-treated Grapeseed, Olive, and Sunflower Seed Oils E. LYNCH 1, M. GROOTVELD 2, J. HOLMES 2, C. SILWOOD 2, A. CLAXSON 2, J. PRINZ 2, and H. TOMS 3, 1 Queen's University, Belfast, United Kingdom, 2 St. BTMw's, London, 3 QMU, London Objectives: The antimicrobial actions of ...
 74. [Antimicrobial Effect of HealOzone in Class I Caries Lesions](#)
... of Zagreb- School of Dental Medicine, Croatia, 2 private office, Donja Stubica, Croatia, 3 Clinical Hospital Center Zagreb, Croatia Objectives: **Ozone** is currently being used in management of dental caries as an alternative to drilling and filling. The aim of present study was to evaluate the effect ...
 75. [Biofilm Control - Ozonation in an Automated Waterline Cleaning Dental Unit](#)
... Unit R. PUTTAIAH, S.M. LIN, and R. CEDERBERG, Baylor College of Dentistry, Dallas, TX, USA Objectives: To study the effects of water dissolved **ozone** as a sanitizer in an automated waterline cleaning dental unit to control microbial contamination. Methods: A Logos Jr. Dental Unit equipped with an Autosteril ...
 76. [Evaluation of Antibacterial Effects of Different Root Canal Disinfection Methods](#)
... . Objectives: To assess the antimicrobial effect of 17% EDTA, TopClear, Sodium Hypochlorite (NaOCl), Sterilox, STEDS, Hydrogen Peroxide (H₂O₂), **Ozone** Gas, and Chlorhexidine (CHX) on Enterococcus faecalis in root canals. Methods: Root canals of 27 single rooted teeth were prepared with ProTaper files ...
 77. [Trial toward the Regeneration of Periodontal Tissues around Titanium Implant](#)
... implant was prepared as follows. The titanium implant was oxidized by 30% hydrogen peroxide at 60 °C for 24 h. EVA was coated onto the implant and **ozone** treatment was carried out for introduction of carboxyl groups. The collagen sponge was immobilized around the implant by freeze-drying method. PDL ...
 78. [A Trial of Regeneration of Periodontal Ligament around Dental Implants](#)
... ; First, the titanium implant was oxidized by 30% hydrogen peroxide. Second, poly(ethylene-co-vinyl alcohol)(EVA) was coated onto the implant and **ozone** treatment was carried out for introduction of carboxyl groups. Third, the collagen sponge was immobilized around the implant by freeze-drying method ...
 79. [Control of planktonic and biofilm contamination in a laboratory dental unit water system](#)
... were assessed for biofilm removal. Ten products, Combizyme (1.25%) Tegodor (1%), Spor-Klenz (Neat), Dialox (Neat), Tegodor (1%), Bleach (0.5%), **Ozone** (200mg/hour), Chlorhexidine (0.2%), Ultrakleen (powder) and Betadene (10%) were tested overnight (16h). Results: Flushing did not reduce the viability ...
 80. [Rapid Detection of Microbial-Derived Components in Dental Unit Water Lines by NMR Analysis](#)
... included the amino acids alanine and glycine, and also a series of aromatic compounds. Treatment of DUWLs with the powerful microbicidal agent **ozone** gave rise to a substantial reduction in many of the MFPs detectable in samples collected 18 hr. after treatment (p < 0.01). Conclusions: High field ...