



AUSTRALASIAN SOCIETY OF LINGUAL ORTHODONTISTS

2019 CONGRESS

2 - 3 August 2019

Pier One Sydney Harbour - Sydney, Australia

Invisible Orthodontics in Everyday Practice

Pre Congress Course

1 August

Ormco ALIAS Lingual Straight
Wire Technique

Post Congress Course

4 August

Non-Surgical Maxillary Expansion
3M Incognito™ Users Meeting



ASLO's Biennial Conference incorporating a variety
of aesthetic orthodontic appliances.

WELCOME

Dear Friends and Colleagues,

It is a great honour and privilege to welcome you to Sydney for the 2019 edition of the Australasian Society of Lingual Orthodontics ASLO. ASLO was founded by our mentor the late Dr Stuart McCrostie who was the first lingual orthodontist in Australia and New Zealand. He dedicated a lot of his career to promoting this fine specialty and teaching it at the University of Sydney. ASLO aims to continue his legacy.

Lingual and invisible orthodontics is the essence of specialist orthodontics giving the best possible control while remaining completely hidden. It requires an orthodontist, after specialising, to dedicate additional time and effort to learn this fine art and science. With the increasing pressure on our profession from corporate providers, lingual and invisible orthodontics remains a great differentiator for our specialty and we at ASLO aim to continue to promote this fine art.

We have speakers from four continents and ten different countries making this a truly international forum for sharing experiences. I would like to thank all the speakers for their valuable contributions. I would also like to thank all our industry sponsors, as without their support, such meetings would not be possible.



On behalf of the Australasian Society of Lingual Orthodontics (ASLO)
I would like to wish you all a successful congress.

I will look forward to a great four days of learning from the best in
Lingual and invisible orthodontics.

Dr Nour E Tarraf
ASLO President

Australasian Society of Lingual Orthodontists (ASLO)

“Introducing the Fine Art of Lingual Orthodontics into your Practice”

Our mission is to support, educate and provide information regarding lingual orthodontics to orthodontic specialists and to improve and develop the profession, helping us as orthodontists to become better, more skilled practitioners able to offer our patients a larger choice of orthodontic appliances.

For more information, please visit www.aslo.com.au

PRE CONGRESS COURSE Thursday 1st August 2019

8.00 - 4.30	ALIAS Lingual Straight Wire Technique - ORMCO Dr Kyoto Takemoto (Japan)
5.30 - 7.30	Welcome Reception (Pier One Hotel)

DAY ONE Friday 2nd of August 2019

8:00 - 8:30	Registration (Water @ Pier One)
8:20 - 8:30	Opening address ASLO President Dr Nour Eldin Tarraf
8:30 - 9.15	Dr Stuart McCrostie Memorial Lecture Dr Didier Fillion (France) Evolution of my lingual technique over 30 years.
9.20 - 10.00	Dr Ilya Lipkin (USA) Lecture 1: Combination treatment lingual and aligners
10.00 - 10.30	Morning Tea (30 mins) at Trade expo
10.30 - 11.00	Dr Kyoto Takemoto (Japan) Lingual Straight Wire Treatment with Square Slot Self Ligation Bracket.
11.05 - 11.35	Dr Roberto Stradi (Italy) Management of extraction treatment with Incognito lingual system: clinical insights and post treatment analysis.
11.40 - 12.05	Dr Francis Wong (Australia) You can do THAT with lingual braces?
12.10 - 12.50	Dr Lydia Lim (Australia) Planning orthognathic surgery for the aesthetically demanding patient.
12.50	House Keeping Remarks
12.50 - 2.00	Lunch (1 hour and 10 min) / ASLO AGM (members remain in lecture room please)
2.00 - 2.25	Dr Steve Stramotas (Australia) Class II treatment with the Incognito lingual appliance system using the 3M Forsus™ Fatigue Resistant Device.
2.30 - 2.55	Dr Igor Lavrin (Australia) Plastic Fantastic for Complex Cases.
3.00 - 3.25	Dr Asif Chatoo (United Kingdom) A simplified and predictable approach to aligning ectopic teeth.
3.25 - 3.45	Afternoon Tea (20 mins) at Trade expo
3.45 - 4.10	Dr Surya Kanata Das (India) Vertical Errors – Arch wire/ bracket slot relationship: Direct Customisation Revisited.
4.15 - 4.40	Dr Nour E Tarraf (Australia) Incorporating TADs with lingual appliances for cases with missing teeth..
4.45 - 5.10	Dr Anna Wasiewicz (Poland) Lingual appliances as the future of everyday orthodontics.
5.15 - 6.45	SureSmile Cocktail (Pier One)
6.45 - 11.00	Gala Dinner (Water @ Pier One Hotel)

DAY TWO Saturday 3rd of August 2019

8.30 - 9.10	Dr Alex Yusupov (Australia) Hamburger with the lot.
9.15 - 10.00	Dr. Heinz Winsauer (Austria) New ways to more space in the maxilla: distalisation and expansion.
10.00 - 10.20	Morning Tea (20 mins) at Trade expo
10.20 - 10.50	Dr Ilya Lipkin (USA) Lecture 2: Solving difficult lingual cases with today's technology.
10.55 - 11.20	Dr Sinan Hamadeh (Germany) Keys to success in lingual orthodontics in the daily practice.
11.25 - 11.50	Dr Stephan Pies (Germany) Anchorage in lingual orthodontics.
11.55 - 12.20	Dr Guanying Wu (China) Aesthetics and art in lingual orthodontics.
12.25 - 1.00	Dr Alexandra Papadopolou (Australia) Prof. M.Ali Darendeliler (Australia) Open bite and aligners a multi centre study.
1.00 - 2.00	Lunch (1 hour) at Trade expo
2.00 - 2.40	Dr Maria Vasilyeva (Russia) Changing the bone structures in the skull and tongue position under the influence of the use of occlusal overlays lingual brackets.
2.45 - 3.10	Dr Oyku Dalci (Australia) Can we speed up invisible treatment?
3.10 - 3.30	Afternoon Tea (20 mins) at Trade expo
3.30 - 4.05	Dr Pravin Shetty (India) LingualMatrix CAD/CAM Lingual Appliance, Aligners and TADS – The NewAge technology and mechanics for treating complex malocclusion.
4.10 - 4.40	Dr Sivabalan Vasudavan (Australia) Implant Anchorage and CAD-CAM Technology: A Match Made in Heaven.
4.40	Closing remarks

Free Evening

POST CONGRESS COURSES Sunday 4th August 2019

8.00 - 4.30	Non-Surgical Maxillary Expansion Hands On Course - AB Orthodontics Dr Heinz Winsauer (Austria)
8.00 - 4.30	3M Incognito™ Users Meeting Dr Roberto Stradi (Italy) Dr Steve Stramotas (Australia) Dr Nour E Tarraf (Australia)

ASLO CONGRESS CPD: 15 Hours

SPEAKER BIOGRAPHIES & PRESENTATION ABSTRACTS



Dr Asif Chatoo (United Kingdom)

Asif qualified as a Dentist from King's College, London and gained his Master's Degree in Orthodontics from GKT Dental Institute, London.

He was the cofounder of The London Lingual Orthodontic Clinic in 2005, the first clinic in UK to be dedicated to lingual orthodontics.

He has a keen interest in the multidisciplinary treatment of adult patients and digital technology in orthodontics.

- Co-chairman of the Scientific Committee of WSLO 2019
- Chairman of the Scientific Council ESLO 2018
- Founding member and Past Secretary (2007 – 2012) of the British Lingual Orthodontic Society
- Past President of London Dental Fellowship (2014)
- Accredited member and Secretary of the European Society of Lingual Orthodontics
- Accredited member of the World Society of Lingual Orthodontics
- Treasurer of ESLO Conference 2010 (London)
- Fellow in Dental Surgery of the Royal College of Surgeons of England
- Fellow of the World Federation of Orthodontics

A simplified and predictable approach to aligning ectopic teeth

An ectopic canine or premolar is a challenge to align as it requires anchorage control. The movement of the ectopic tooth is slow and may be unpredictable. Generally the mechanics used require 'piggy back' wires and setting up the teeth in sections to support the movement of the ectopic tooth.

Digital technology allows the clinician to simulate the proposed movement of the teeth. With customised wires the movement of ectopic tooth may be staged to limit the anchorage demand and simplify the mechanics of the tooth movement. The use of a single continuous wire is more comfortable for the patient, permitting overall dental hygiene and better dental health.



Dr Oyku Dalci (Australia)

Finished her dental and orthodontic training in Ankara University, School of Dentistry in Turkey. She then worked as assistant lecturer at Near East University in North Cyprus. She moved to Australia in 2009 where she began working as a Lecturer at the University of Sydney, Department of Orthodontics and Paediatric Dentistry.

Currently she is a Senior Lecturer and the DCLinDent, DMD and BOH Orthodontic Course Coordinator for Sydney University. She is a member of the Australasian Orthodontic Board Advisory Committee, Sydney Dental School Learning and Teaching Committee, Sydney Orthodontic Advisory Committee and the Australian Orthodontic Education Committee. Her research interests include Obstructive Sleep Apnoea, increasing the efficacy of orthopaedic treatment, TADs, accelerated tooth movement, orthodontic tooth movement and root resorption.

Can we speed up invisible treatment?

Over the years there has been an increased emphasis on shorter treatment duration with more adults seeking orthodontic treatment. Reduced treatment time has been advocated to lower the risk of caries, root resorption, periodontal problems and patient burn out, and improve compliance which is key for successful treatment with clear sequential aligners.

Many methods of accelerated tooth movement have been introduced over the years, ranging from minimally invasive to surgically assisted methods. This lecture will review evidence related to variables effecting orthodontic tooth movement with clear aligners and research on different methods of accelerated tooth movement and their clinical significance.



Dr Ali Darendeliler (Australia)

Dr Darendeliler is Professor and Chair of Orthodontic, Discipline of Orthodontics and Paediatric Dentistry, at the University of Sydney and Head of Department, Orthodontics, Sydney Dental Hospital, Sydney South West Area Health Service.

He received his dentistry training from the University of Istanbul and his PhD from the University of Gazi, in Turkey and his first specialist training in orthodontics from the University of Geneva, Switzerland and his second specialist training from the High Education Council, Turkey.

During the course of his career he has undertaken duties as a clinical instructor, research and postgraduate coordinator (Maître assistant et de Recherche) at the University of Geneva, Assistant Professor at the University of North Carolina, Research Professor at the University of Southern California.

His research interests include orthodontic tooth movement, root resorption, obstructive sleep apnoea, temporary anchorage devices, sequential aligners, self-ligating brackets, orthopaedic treatment modalities, accelerated tooth movement, magnetic fields and forces and dentofacial orthopaedics. He lectured in North and South America, Europe, Asia, Africa and Australia.

In addition to his research and teaching commitments he also maintains a private specialist orthodontic practice.



Dr Alexandra K. Papadopoulou (Australia)

Dr Alexandra K. Papadopoulou is a Senior Lecturer in the Discipline of Orthodontics of the University of Sydney, Australia. Dr Papadopoulou has received her Dental Degree, Specialisation degree in Oral Surgery, Implantology and Dentomaxillofacial Radiology, Specialisation Degree in Orthodontics and PhD from the Faculty of Dentistry, Aristotle University of Thessaloniki, Greece. She also completed a 2-year Fellowship in the Department of Histology and Embryology, Faculty of Medicine, Aristotle University of Thessaloniki, Greece. Dr Papadopoulou has supervised numerous Doctor in Clinical Dentistry (DClinDent) Orthodontics Thesis and Higher Research Degree projects (Masters in Philosophy and PhD) in the University of Sydney.

Dr Papadopoulou has published several research papers in peer-reviewed journals and is also a reviewer in most orthodontic journals. Her main research interests focus in the efficacy of dentofacial orthopaedic treatment, adjunct methods in accelerating orthodontics, temporary anchorage devices (TADs), biology of orthodontic tooth movement, airway changes with orthodontic treatment, 3D technology.

Open bite and aligners a multi centre study

Open bite is defined as lack of overlap between the upper and lower teeth leading to unilateral or bilateral lack of contact either in the buccal or most often in the anterior dental segments. The prevalence of anterior open bite ranges between 2-7% among races with percentages being greater in African Americans when compared to Caucasians and Hispanics. Even though occlusal improvement or even self-correction may be noticed during the mixed dentition phase, this does not continue after the establishment of the permanent dentition. The development of open bite is multifactorial with genetic and environmental factors (sucking habits, resting tongue position, mouth breathing and subsequent alterations in head posture) contributing to different extent. Treatment alternatives are mainly focused in confronting the etiology of the problem and also differ according to the age and possible growth potential of the patient. In growing patients, habit cessation and/or growth modification appliances are used in order either to control cessation of an associated habit or vertical posterior alveolar growth respectively. Contrary to the successful interceptive treatment in growing patients, adults with open bite are treated either conservatively with fixed orthodontic appliances or with various surgical methods that attempt mainly intrusion of the buccal segments. This includes maxillary impaction with orthognathic surgery or the use of temporary anchorage devices (TADs) such as mini-screws, mini-implants and zygomatic titanium plates; however, the complexity of the patients' biologic background and the controversial long term stability make open bite treatment one of the most changing situations in the everyday orthodontic clinical practice. Recently, the application of clear aligners in the armamentarium of open bite treatment has been advocated as a more conservative and effective method. Nevertheless, literature is sparse and limited to case reports. In this multi-centre study, the treatment results of open bite cases addressed with Invisalign® clear aligners in non growing patients are presented with main focus on the amount of skeletal and dental contribution and the smile esthetics achieved with this patient friendly and widely accepted approach.



Dr Surya Kanta Das (India)

Dr Surya Kanta Das, presently the President of Lingual Orthodontic Society of India, is a Titular member of ESLO (European Society of Lingual Orthodontics) and active member of WSLO (World Society of Lingual Orthodontics). A post graduate alumnus of KGMC, Lucknow, Dr Das has been practicing lingual orthodontics since 2003 with more than 350 completed in his practice till date. He is the chief faculty of Lingual mini residency program held at SCB Dental College and has three patents to his credit on products related to lingual orthodontics. Dr Das, an eminent speaker/resource person at national and international forums is credited for introducing modified Hiro's technique, DTC device for lingual customisation, DLAP software and D-Mushroom arch forming pliers. Presently he is working as Professor and head, Post Graduate Department of Orthodontics, SCB Dental College.

Vertical Errors – Arch wire/ bracket slot relationship: Direct Customization Revisited.

Direct customisation on malocclusion cast has the advantage of being self-sufficient (non-dependent on the laboratories). Issue with direct customisation is the vertical error caused on the lingual bracket positioning because of anatomical variations of labial surfaces of teeth and inter tooth differential torque. Play in the arch wire and bracket slot is also another important factor to decide the final outcome especially when the pretreatment condition has large inter tooth discrepancies. This presentation is a critical evaluation of above factors and discussion about the solution.



Dr Didier Fillion (France)

Didier Fillion has been practicing lingual orthodontics exclusively for 32 years. He has held courses in Lingual orthodontics around the world and lectured in all important adult orthodontic congress.

Memberships:

- Founding member and Honorary President of the French Lingual Orthodontic Society (SFOL)
- Founding member of the European Society of Lingual Orthodontics (ESLO)
- Founding member and 1st President of the World Society of Lingual Orthodontics (WSLO)

Course Director of the two-year Lingual Orthodontic Post-graduate program at Paris-V University (France) from 1996 to 2010.

Co-Director of the Lingual Orthodontic Fellowship at the University of Texas, San Antonio, USA.

Evolution of my lingual technique over 30 years.

I will explain how and why my technique has evolved into a fully digital straight wire technique. I will explain why this technique is the most accurate to position the brackets and the most reliable to reproduce perfectly on the patient what we have decided on the digital set-up. Its simplicity makes it particularly accessible to beginners and its efficiency make it usable by the lingualist the most demanding. The report of treated cases will show that the difference between labial and lingual technique is becoming thinner even in terms of chair time and treatment time.



Dr Sinan Hamadeh (Germany)

Sinan is active member of The Edward H. Angle Society of Orthodontists in Southern California. He received his specialist Degree in Orthodontics in Germany in 2008. Since then, he is in full time practice of Orthodontics in Germany.

In addition, he completed the McLaughlin two-year postgraduate program in San Diego and the Face/Roth-Williams postgraduate Program in Spain and Italy.

Sinan is currently on the master's program of lingual Orthodontics at the University of Basel (Master of Advanced Studies in Lingual Orthodontics "MASLO") and lectures worldwide on treatment mechanics, skeletal anchorage and Lingual Orthodontics.

Keys to success in Lingual Orthodontics in the daily practice.

The increasing number of adults seeking orthodontic care and the demand for an invisible and aesthetic orthodontic solution makes it inevitable for every orthodontist to master the use of lingual orthodontic techniques in his practice. Several techniques and appliances are available, each with its advantages and drawbacks. This presentation will highlight the key factors enhancing the efficiency of lingual Orthodontics in terms of setup preparation, bracket placement and mechanical considerations.



Dr Igor Lavrin (Australia)

Dr Igor Lavrin completed his dental degree at the University of Adelaide and a 3-year orthodontic specialist programme and Master's degree at the Harvard School of Dental Medicine, USA. He is in private orthodontic practice with his wife, Dr Sarah Lawrence at two locations in Melbourne city and Templestowe. Dr Lavrin has been invited to lecture in Australia, Canada, South Korea, Indonesia, Singapore, China, Fiji, New Zealand and the US including a number of American Association of Orthodontists Annual Sessions.

He is a teaching staff member in the Orthodontic Department at the University of Melbourne, is a past Federal Treasurer and current Federal Councillor of the Australian Society of Orthodontists. He is currently President of the Australasian Society of Lingual Orthodontists and a past President of the Harvard Club of Australia (Victoria). Dr Lavrin is an accredited member of the Australasian Orthodontic Board. Together with his wife, they hold Invisalign® Diamond Status and are Clinical Consultants and Lecturers for Invisalign® in the Asia-Pacific region.

Plastic Fantastic for complex cases.

Invisalign aligners can treat a range of complex cases with predictability and excellence in results. A number of successfully treated cases will be reviewed.



Dr Lydia Lim (Australia)

BDS(Hons), MDSc, FRACDS, FRACDS(OMS)

Dr Lydia Lim completed her OMS training in Sydney and obtained her specialist qualification FRACDS(OMS) in 1995. She then furthered her training with a surgical fellowship in the United States at the University of Texas, Houston. Lydia is currently involved in the New South Wales OMS training program and holds Consultant positions at both Westmead Hospital and at the Children's Hospital at Westmead. She has been involved in teaching Orthognathic surgery to the Sydney University Orthodontic Post-graduate Students for the past 15 years and holds an Honorary Associate position at Sydney University. She is the current President of the Society of Oral and Maxillofacial Surgery of New South Wales. Lydia is also in private practice in Sydney with a special interest in Orthognathic Surgery and Dental Implantology.

Planning Orthognathic Surgery for the Aesthetically Driven Patient.

Invisible Orthodontics has opened the door to increased treatment of adult patients with high aesthetic demand. Treating the aesthetically driven patient is a challenge for both Orthodontists and Maxillofacial surgeons. This presentation will discuss some advances in planning to optimise facial aesthetics outcomes and avoid detrimental side effects for this group of patients. Orthodontic Preparation, Occlusal Plane Management, 3D Virtual Planning, Surgery-First Approach, Skeletal Anchorage and Orthognathic Surgery with Invisalign and Lingual Orthodontics will be presented.



Dr Ilya Lipkin (USA)

Dr. Ilya Lipkin received his bachelor's degree from New York University and his dental degree from New York University School of Dentistry. He completed his specialty residency in orthodontics at the New York University School of Dentistry, Department of Post-Graduate Orthodontics. Dr. Lipkin is in private practice in Westwood, NJ. Dr. Lipkin has been treating lingual cases since 2001 using Incognito system until 2008 and Suresmile Lingual since then. Having completed over a thousand lingual cases, Dr. Lipkin will share his knowledge and expertise in addressing some of the challenges faced when utilising lingual approach.

Lecture 1: Combination treatment: Lingual and aligners.

Today's 3D scanning and printing allowed the use of clear aligners not only as a stand alone treatment option but a useful tool in conjunction with other therapies, particularly lingual treatment.

This lecture will demonstrate clinical applications in cases where the use of aligners was utilised in everything from torque and anchorage control, combination treatment of upper lingual / lower aligner use as well as finishing in lingual cases with aligners. Tips, techniques, treatment sequence, etc will be discussed.

Lecture 2: Solving difficult lingual cases with today's technology.

Orthodontic treatment with lingual appliances present certain challenges, particularly where treatment involves impacted teeth, extractions, missing teeth, Class correction, surgery, etc.

Technology like SureSmile, CBCT, TADs, Wilckodontics, aligners, 3D scanning/printing and a combination of any of those options makes planning and executing lingual treatment significantly more predictable along with substantial reduction in treatment time. This presentation will focus on complex orthodontic and interdisciplinary cases successfully treated utilising lingual approach along with latest innovations in the 3D world.



Dr Stephan Pies (Germany)

- 1986 Graduation from Dentschool Justus-Liebig-University, Gießen/Germany
- 1986-1988 Prosthodontic Department Justus-Liebig-University, Gießen/Germany
- 1988-1990 Orthodontic education in Moers/Germany
- 1990-1992 Orthodontic Department University of Cologne/Germany
- 1991 Specialist in Orthodontics
- 1992 Private practice in Remscheid/Germany
- 1998 Diplomate of the German Board of Orthodontics and Dentofacial Orthopedics
- 2006 Member of the executive committee of the German Board of Orthodontics and Dentofacial Orthopedics
- 2010 Master of Science in Lingual Orthodontics MHH Medical Highschool Hannover/Germany
- 2016 President elect of the annual meeting of the German Board of Orthodontics and Dentofacial Orthopedics
- 2017 President of the annual meeting of the German Board of Orthodontics and Dentofacial Orthopedics

Several lectures on orthodontic techniques, TADs, Benefit system and Lingual Orthodontics

Anchorage in Lingual Orthodontics.

Anchorage in lingual orthodontics differs very much from anchorage in vestibular orthodontics. As the systems should be able to perform on request A, B, or even C anchorage according to Burstone and extraoral devices are obsolete in lingual orthodontics new systems had to be developed and will be shown.



Dr Pravin Shetty (India)

- Managing Trustee & Director – Vasantdada Patil Dental College & Hospital & Institute of Post-Graduate Studies.
- Past-Vice-President, Indian Orthodontic Society.
- Past-President & Founder Member of Lingual Orthodontic Society[India].
- Active Member-European Society Of Lingual Orthodontics [ESLO] and World Society of Lingual Orthodontics[WSLO]
- Inventor of India's 1st cad/cam based customized 3d-lingual bracket system - Lingualmatrix. [process patent] and Smilealign- 3-d aligners.
- Has been invited as Guest speaker at ESLO-Athens, WSLO –Korea and Asian lingual Orthodontic meeting [ALOM] and has conducted numerous hands-on Training on LingualMatrix –Cad/cam appliance.

LingualMatrix CAD/CAM Lingual Appliance, Aligners and TADS – The NewAge technology and mechanics for treating complex malocclusion.

The newer Digital Esthetic appliance such as Lingual and Aligners has challenged the way we think in treating complex malocclusion cases

The state of the art Lingualmatrix Cad/cam system is an excellent lingual system for Orthodontists, who wish to have a customised appliance for their patients which can provide them with complete 3 dimensional control, accuracy, good finish, patient comfort, reduced chair side time and minimal appointments.

With the advent of Aligners plastic science and in 3D printing technology and virtual tooth movement software, it has enabled us to use Aligners in complex cases and this form of treatment is becoming more popular as it opens up a new dimension in current orthodontics ERA

The presentation shall enlighten on concept, technology features and pathbreaking combination of cad/cam lingual appliance, Aligners with Microimplants for management of complex malocclusion.



Dr Roberto Stradi (Italy)

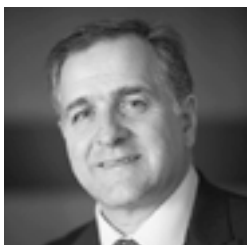
2001	Post graduation in Orthodontics
2016	Master of Science in Lingual Orthodontics
2004-11	"Professore a contratto of lingual orthodontics"
2001-2018	Clinical Instructor of lingual orthodontics
2013-2017	Manager, Main Teacher and Tutor of the International II Level Master in Lingual Orthodontics @ Univ. of Naples "Federico II"

- Italian Incognito Certification Provider
- ESLO Active and Titular Memb
- WSLO Active Member
- ESLO Congress President 2020
- International Lecturer

Management of extraction treatments with Incognito™ Lingual System: clinical insights and post-treatment analysis.

In my lecture I will focus on the main biomechanical features to know when we approach an extraction case with a lingual system. Different cases of different difficulty will be deeply analyzed, in order to highlight pros and cons of lingual orthodontics".

Never forget: the orthodontist is the driver of any kind of appliance, even if the market, sometimes, tries to "change the rules".



Dr Steve Stramotas (Australia)

Dr Steve Stramotas completed a Masters of Science in Dentistry and a Masters Degree in Orthodontics at Sydney University and has a private specialist orthodontic practice in Sydney. He is an Honorary Clinical Associate Lecturer in the Department of Orthodontics at the University of Sydney, lecturing and training postgraduates on the 'Lingual Orthodontic' component. He is the immediate past president of the Australasian Society of Lingual Orthodontics (ASLO) and represents 3M as a key opinion leader (KOL) and expert in the use of the Incognito™ lingual appliance. Dr Stramotas presents Incognito certification and refresher courses in Australia and New Zealand and has presented at international conferences in the US, Europe and Asia. He enjoys treating both children and adults and has a special interest in the use of aesthetic appliances (lingual orthodontics and aligner treatments) as well as utilizing digitally designed orthodontic systems in his practice.

Class II treatment with the Incognito lingual appliance system using the 3M Forsus™ Fatigue Resistant Device.

The Incognito lingual appliance is a proven system for comprehensive orthodontic treatment. It is used to treat a wide range of malocclusions with precision and predictability and Class II malocclusions are no exception. In 'growing' Class II patients resulting from a recessive mandible, the Forsus™ Class II Correctors act as a fixed functional appliance allowing for favorable dental and skeletal changes. The Forsus™ Class II Correctors can also successfully be utilized in adults preferring a more conservative 'non-surgical' approach to treatment. This system in combination with the Incognito appliance produces significant dento-alveolar correction accompanied by favorable facial changes. It truly is a simple, invisible, comfortable, low maintenance system, easily incorporated into your fixed appliance treatment and patient adaptation is quick and easy.



Dr Kyoto Takemoto (Japan)

After Graduating Tokyo Dental College in 1979, he spent a further Two years at Tokyo Medical and Dental University specializing in orthodontics. He later received his Ph.D. from Tokyo Dental College.

In 1983 he opened his first clinic near Tokyo and in 1987 he opened his second clinic in central Tokyo. This was the first exclusively lingual orthodontic clinic in Japan. Dr. Takemoto has held numerous training courses and workshops in over 20 countries. Dr. Takemoto is the former president of the WSLO and is a member of the European Board of Orthodontics and the World Board of Lingual Orthodontics. He has written extensively on lingual orthodontics and, in collaboration with Dr. Giuseppe Scuzzo, developed the STb lingual bracket and ALIAS lingual straight wire system.

- World Society of Lingual Orthodontics (Founding Member, Former President)
- World Board of Lingual Orthodontists (Board Member)
- European Board of Orthodontics (Board Member)
- European Society of Lingual Orthodontics (Honorary Member)
- Japanese Orthodontic Society (Board Member)
- Japanese Association of Adult Orthodontics (Specialty Certified)
- Japanese Lingual Orthodontic Association (Specialty Certified)
- Ferrara University (Visiting Professor)
- Royal College of Surgeons Edinburgh (Fellow)

Lingual Straight Wire Treatment with Square Slot Self Ligation Bracket.

In my clinic we have been using the New Lingual Straight Wire system in all cases since 2006. In 2007 we developed our prototype bracket (STb SL) with square slot which is used with the lingual straight wire system. ALIAS, released in 2015, is the next generation of lingual orthodontics.

With ALIAS there are 3 new concepts:

Square slot – the square slot gives more control over tooth movement enabling the orthodontist to more accurately predict treatment outcome. Treatment becomes less of an art and more of a science.

Straight wire – treatment employs a plane arch-wire. With brackets bonded accurately and a full sized wire the amount of wire bending is very significantly reduced.

Passive self-ligation system – employing a passive ligation system reduces friction and light orthodontic force can be employed. At this time, the biomechanics of the new square slot bracket will be described as well as the presentation of a treatment case using these concepts.



Dr Francis Wong (Australia)

Dr Wong received his BDS and MSc in Orthodontics from the University of Manchester England. He was a clinical tutor for the orthodontic postgraduates and undergraduate dental students in the Orthodontic Faculty at the University of Western Australia. He has taught seminars in lingual orthodontics at the University of Queensland and the University of Western Australia, presents at the Australasian Society of Lingual Orthodontics Conferences and suresmile conferences and courses for lingual orthodontics. He has used lingual orthodontics since 1987 and began incorporating suresmile robotic technology in his practices in 2013. In 2015, Dr. Wong's practice received the "Outstanding suresmile Lingual Practice" award from Orametrix.

You can do THAT with lingual braces?

Dr. Wong will share many of his interesting cases showing the efficiency and flexibility of using lingual braces in all malocclusions and in varying degrees of complexity of cases. He will give short illustrations of the appliances used and period of time for completion of treatment. The emphasis will be on what can be done, rather than how to achieve the results.



Dr Nour Eldin Tarraf (Australia)

BDS(Hons), MDSc(Hons), MOrth RCSEd, MRACDS (Ortho)
ASLO President

Dr Tarraf finished his BDS at Cairo University with Honors in 2001 followed by an orthodontic residency at Cairo University. He then moved to Sydney where he completed his Masters degree in Orthodontics at the University of Sydney in 2008 with Honors. He works in private practice in Chatswood, Sydney and is involved in research and teaching at the University of Sydney. With his practice composed of 40% adult patients Dr Tarraf has a special interest in invisible orthodontic techniques such as lingual orthodontics and Invisalign.

- He is the President of the Australasian Society Of Lingual Orthodontics.
- He is a Titular member of the European Society of Lingual Orthodontics.
- Active member of the World Society of Lingual Orthodontics.

Dr Tarraf also has a keen interest in the clinical applications of temporary anchorage devices (TADs) and is currently working towards a PhD on the application of skeletal anchorage in growth modification for growing children. He has lectured nationally and internationally and has number of scientific publications.

Incorporating TADs with the customized lingual appliance for cases with missing teeth.

The inclusion of TADs in orthodontic treatment in recent years has transformed the orthodontic approach to cases with missing teeth.

The application of TADs with lingual orthodontics poses some unique challenges. In addition to the biomechanical considerations for maximum efficiency, the aesthetics and comfort of the setup must also be carefully considered. The customized nature of lingual appliances makes preplanning the mechanics essential for maximum clinical efficiency.

This presentation will show some of the applications of TADs with the Incognito appliance with emphasis on the utilization of mid-palatal TADs for direct and indirect anchorage in the management of molar extraction as well as cases with multiple missing teeth. Anterior anchorage control is critical in cases with congenitally missing teeth or cases with pre-existing extractions where mesial molar movement is required. Maintaining the dental midline can be particularly challenging in cases with unilateral missing teeth. The design and planning of the TAD anchorage setup for such cases will be discussed.

The presentation will also discuss management of patients with multiple missing front teeth and the ability add pontics to temporarily replace missing to the TAD supported appliance while the occlusion is being managed.

Corresponding Author

Dr Nour Eldin Tarraf
Email: noureldintarraf@hotmail.com
Chastwood Orthodontics
Address: Suite 401, Level 4, 13 Spring Street
Chatswood, NSW 2067
Australia



Dr Maria Vasilyeva (Russia)

Education

- 1996 DDS, 1998 MD - Department of Orthodontics of Moscow Medical Stomatological Institute
- 2013 PhD – Department of Pediatric dentistry and Orthodontia of Peoples' Friendship University of Russia

Experience

- Abso-anchor Certified speaker,
- Medical Advisor of 3D Med AG (Swiss)
- 3M Russian speaker, Adenta speaker, Expert on Incognito System.
- EOS member, WFO fellow, Member of Russian Orthodontic Society
- Using lingual systems since 2001, Using microimplants since 2003
- Have few patents, articles, author's seminars and lectures around the World (Germany, France, Japan, South Korea, China, Jordan, India, Armenia, Ukraine, Belarus, England, USA, Thailand, Lebanon, Poland, Bulgaria, Italy etc.)
- Private practice.

Changing the bone structures in the skull and tongue position under the influence of the use of occlusal overlays lingual brackets.

It is known that dentoalveolar anomalies, especially of the Class II malocclusion, often appear on the esthetics of the facial profile in its lower third in the sagittal plane. But sometimes skeletal dental anomalies are accompanied by the discrepancies of the vertical proportions of the face, the front aesthetics of the face is changed with the deviation of the horizontal orbital and occlusal plane. Patients with symptomatic discrepancies often suffer from migraine headaches of unknown etiology. They have TMJ and muscular-articular dysfunctions. The possibility of leveling orbital plane and position of the Maxilla alignment in patients with malocclusion for orthodontic treatment without orthognathic surgery is a complex actual problem.

Objective: Improving methods of correction of malocclusion through the identification and elimination of iatrogenic effects and the development of the algorithm application of occlusal overlays patients with on cranial and cranio-mandibular dysfunctions using orthodontic appliances. The most important task of the orthodontist to get long-term stability and aesthetic results.

Material and methods. Diagnosis included anamneoz collection, assessment of the occlusion of the dentition, determining the parallelism of the planes of the head the frontal cephalometric analysis. We used the equipment K7 Evaluation System (K7-myotronics) and

Digital Occlusal Analysis T-Scan to get the results of bite functionality.

We carried out orthodontic treatment with the lingual appliances on adults 30 patients. Defined the indications for the choice of orthodontic treatment method (used occlusal overlays of the lingual brackets, microimplants or splint therapy) and osteopathic approach.

The results of the study and conclusions. Resolved complaints of patients who achieved the alignment of the orbital, ear and occlusal planes parallel to each other, normalised occlusion of dentition, eliminated the imbalance of muscles of the maxillofacial area.

During the process of research of the patients with anomalies of orbital planes, we have come to the following solutions: in cases when the patients have complaints of main problems such as migraine headaches of unknown etiology, it is highly recommended to use special occlusal overlays or special splint therapy. If the patients have no these complaints, we would recommend canting with the help of orthodontic appliances (for example - intrusion with the help of micro implants).

A necessary component for the stability of orthodontic treatment is the position of the tongue and tension of the cranial structures, especially the Maxilla. Manual work with these structures and muscles, fascial techniques on the tongue and recommendations of exercises for the tongue, as well as a specific algorithm for grinding the occlusal overlays of lingual brackets, as a result contributes to the maximum functional occlusion, aesthetics of the face and correct the posture.



Dr Siva Vasudavan (Australia)

Siva Vasudavan, is a graduate of the University of Western Australia, the University of Sydney and Harvard University. He was the Registrar at the Dental Department in Princess Margaret Hospital for Children for two years, prior to completing his specialist orthodontic training at the University of Sydney under Professor M. Ali Darendeliler. Siva was selected as the inaugural Fellow in the Harvard University Craniofacial and Cleft Lip/Palate Orthodontics program at Boston Children's Hospital, Massachusetts, USA. He completed this clinical Fellowship program over two years and concurrently completed a Master of Public Health degree from the Harvard University School of Public Health. Siva has contributed to more than 25 publications in the peer reviewed literature.

Implant Anchorage and CAD-CAM Technology: A Match Made in Heaven.

Treatment approaches involving skeletal anchorage are a staple of contemporary orthodontic care. Mini-implants and skeletal fixation have minimised the requirements for extra-oral appliances, provided support for the biomechanical basis for selective tooth movement, and reduced the need for adjunctive surgical address of complex malocclusions. The orthodontic profession continues to make significant advances with the development and incorporation of various digital technologies including 3d digital casts, individual bracket-setups, aligners and customised archwires. The evolution of this progress has been adapted to three-dimensional printing of traditionally laboratory custom-made appliances. This presentation will explore various treatment strategies using skeletal fixation and CAD-CAM technology to realise specific treatment objectives.

Learning Objectives

- Recognise various strategies to successfully address Class II and Class III malocclusions.
- Define the use of 3D metal printing as it applies to implant-supported treatment strategies in orthodontics.
- Identify CAD-CAM applications utilised in diagnosis and treatment planning stages.



Dr Heinz Winsauer (Austria)

Dr Winsauer obtained his degree in general medicine in 1980 at Innsbruck University, followed by four-year clinical training in general medicine and in intensive care. From 1985 he continued at the Dental University in Innsbruck and subsequently received his three-year orthodontic training. Since 1990 he has maintained a private practice in Bregenz, Austria. Dr Winsauer is a part-time instructor at the Department of Orthodontics University of Graz, Austria, and at the Universities of Bern and Geneva, Switzerland.

In 1998 he was the first Austrian orthodontist in private office to pass the European Board examination, since when he has been an active member of the European Orthodontic Society. Dr Winsauer is author or co-author of 15 peer reviewed publications and of four orthodontic textbook chapters. He has given numerous international lectures and holds eight international orthodontic patents.

He has undertaken scientific research at the Dental University of Graz and the International University of Catalunya, Spain. His main research interests are: maxillary expansion in adults without surgical assistance (moment/force quantification), orthodontic treatment with bone-borne anchorage and mandibular midline distraction osteogenesis.

New ways to more space in the maxilla: distalisation and expansion.

The use of TADs especially in the anterior palate has changed orthodontic treatment concepts fundamentally. Due to pure bone borne anchorage, there are no dental side effects. Mini-implant expanders or distalizers during mixed dentition create sufficient space for the permanent teeth. The simplicity of TAD insertion and their uncomplicated long-term use as retention is well accepted by patients and orthodontists. Novel appliances designs will enable simultaneous expansion and distalisation.



Dr Anna Wasiewicz (Poland)

Received her dental education at the Medical University of Warsaw in 2007. Since 2007 she has been working at private practices in Warsaw limited to orthodontics and has been using lingual orthodontics since 2008. In addition to the clinical work she has been involved in research and teaching at the Department of Orthodontics at the Medical University of Warsaw since 2010. Her research interests include facial and dental aesthetics, lingual orthodontic treatment, TADs and interdisciplinary approach in adult patients. She has received scientific awards for some of her studies, including those given by the Rector of the Medical University of Warsaw in 2005, 2015 and 2018. Dr. Anna Wasiewicz defended the PhD degree in 2015. In 2015 she also completed the International Master's of Science course in Lingual Orthodontics at the Federico II University of Naples, Italy. Dr. Anna Wasiewicz is a member of Polish Orthodontic Society, European Orthodontic Society, American Association of Orthodontists, Italian Orthodontic Society and the Orthodontic Section of the Polish Dental Society.

Lingual appliances as the future of everyday orthodontics.

Aesthetics seem to be one of the major goals in contemporary orthodontics. Nowadays more and more patients seek invisible orthodontic treatment. In order to achieve patient's satisfaction not only at the end, but also during orthodontic treatment, an orthodontist should know the patient's opinion on the proposed treatment plan and methods. Lingual appliances are claimed to be the most aesthetic of all orthodontic techniques and give both the patient and the orthodontist an opportunity to observe all teeth movements throughout the treatment.

The aim of the study is to present lingual orthodontic appliances as a method of treatment in everyday practice.

Material and methods: Research materials were obtained from orthodontic patients aged from 13 to 61 years who were undergoing treatment with completely customised lingual appliances. In this study bonding and debonding protocols as well as other lingual orthodontic procedures will be presented in a way to increase patient's comfort and reduce chair time. On the basis of patients' opinions and clinical observations the advantages and disadvantages of lingual technique will be examined and summarised.

Conclusions: An orthodontic treatment has a particular impact on patients' satisfaction with their teeth, therefore invisible techniques should be used to improve not only aesthetics but also patient's confidence with their smile. When planning an invisible orthodontic treatment in both growing and adult patients, an orthodontist should consider the use of lingual techniques as a method of choice. This may allow the patient to be satisfied with the treatment itself, but, above all, with its aesthetics.



Dr Alex Yusupov (Australia)

Dr Alex Yusupov completed his Dental degree at University of Melbourne in 1989. He then completed his Masters Degree at University of Melbourne in 1992. Since then, Alex has been in private practice. In 2002, Alex introduced lingual orthodontics into his practice. In 2014, Alex integrated suresmile into his practice.

He is an honorary fellow and clinical demonstrator at the orthodontic program at the University of Melbourne. His interests include clinical photography, 3D technology, multi-disciplinary treatments and lingual orthodontics.

Hamburger with the lot.

Management of complex cases. In this presentation, Alex Yusupov will discuss how advances in 3D technology are changing the way we plan, stage and finish the complex, seemingly impossible cases.



Dr Guanying Wu (China)

Introduction

Associate professor

Graduated from Peking University

Have done lingual orthodontic treatment for about 17 years

Treated more than 800 lingual orthodontic patients

International oral presentation

- Excellent oral presentation in the 4th WSLO in 2011
- One of the best oral presentation in the 10th ESLO in 2012
- Oral presentation in 5th WSLO in 2013
- Key-note oral presentation in 11th ESLO in 2014
- Oral presentation in 6th WSLO in 2015
- Chairman of 12th ESLO in 2016
- Oral presentation in 7th WSLO in 2017
- Oral presentation and chairman in 13th ESLO

Membership

- Titular Member of ESLO (European Society of Lingual Orthodontist)
- Member of WSLO (World Society of Lingual Orthodontist)
- Member of WFO (World Federation of Orthodontics)
- Member of COS (Chinese Orthodontic Society)
- Member of BJOC (Beijing Orthodontic Society)
- Member of BCDS (Beijing Clinic Dental Society)

Contact

Nationality: People's Republic of China

Office: Orthodontic Center of China-Japan Friendship Hospital

Tel: +86-13601383845

E-mail: wuguanying2008@163.com

Address

Orthodontic Center of China-Japan Friendship Hospital

East Yinghua Street, Hepingli

Chaoyang District, Beijing, P.R. China

Aesthetics and art in lingual orthodontics.

Background: Lingual orthodontics is the fusion of aesthetics and art. Make every patient a work of art in your hands.

Material and methods: Many factors can affect the appearance of the patient. Such as teeth crowding, face convex, face concave, face asymmetry and so on. The micro-implants are used widely. We can use the micro-implants to make the teeth distalisation, mesialisation, extrusion, intrusion and so on. We chose 30 cases to study and compare the beginning and finishing treatment result.

Results: The micro-implant is very stable during the lingual orthodontic treatment. The dental movement is efficiently by micro-implants.

Conclusions: Micro-implant is a kind of reliable and absolute anchorage. We can use them to do almost everything in lingual orthodontic treatment. Every patient is the art in our hands. Lingual orthodontics is the fusion of aesthetics and art.



Invisalign® First clear aligners, specifically designed for growing patients.

Do more for your Phase 1 patients with unique innovations tailored to their specific needs*.

- Treatment for a broad range of malocclusions
- Designed for predictable dental arch expansion
- New and improved staging patterns
- Short clinical crown support
- Erupting permanent dentition support

Speak to your Invisalign Practice Development Manager for more information or call 1800 468 472.

Available now.

Invisalign First Treatment Practice Marketing Support Toolkit

Invisalign First Clinical Case Reports

*Compared to traditional appliances used for Phase 1 treatment. Data on file at Align Technology.

invisalign® first



ALIAS™

LINGUAL STRAIGHTWIRE BRACKET SYSTEM



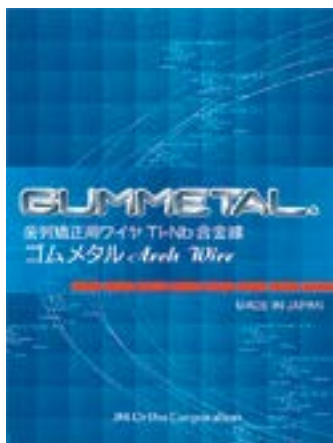
THE WORLD'S FIRST SELF-LIGATING SQUARE SLOT BRACKET

Simplicity | Efficiency | Comfort



For more information visit ormco.com or
call toll free 1800 023 603 Australia;
0800 446 140 New Zealand

Ormco



GUMMETAL.



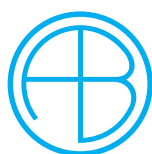
Latest archwire technology GUMMETAL® – a wire like no other.

- > **Super-elastic**
- > **Formable**
- > **Low friction**
- > **Patient comfort**
- > **Nickel free**

Gummetal is an entirely new Ti-Nb based beta titanium alloy developed by Professor Shin Hasegawa in conjunction with Toyota Central R&D Labs. Primarily used as a working wire, Gummetal is easily formable, flexible with super elastic spring back qualities.

Ideal for forming loops for space closure, torquing, intrusion, extrusion and transverse movements. It is soft enough to allow vertical settling with intermaxillary elastics.

CONTACT US NOW FOR MORE INFORMATION!



AB Orthodontics Pty Ltd

Phone: 03 9650 2526
Free Call: 1800 335 895
Free Call NZ: 0800 442 522
service@ortho.com.au



YOUR DIGITAL ORTHODONTIC SOLUTION FROM START TO FINISH



Accurate
digital X-ray

Fast intraoral scanning

Low dose CBCT

Cephalometric and
airway analysis

Model analysis
and set-up

Complete practice
management software

ORTHOMAX

ORTHODONTIC PRODUCT SPECIALISTS

www.orthomax.com.au

1800 422 287

3M Science.
Applied to Life.™



Raising
the bar with
stability and control.

3M™ Incognito™ Brackets with Tip Bar
Invisible, intelligent, individualised.



Incognito™
Appliance System



ScanBox



The very first device for intraoral pictures
easily taken from a smartphone



DM

ScanBox

Designed by **Dental Monitoring**, the **ScanBox** makes taking great intraoral pictures easy, using the **Dental Monitoring** app on your smartphone, with the specific cheek retractor.



The ScanBox can only be used with a specific cheek retractor with magnetic inserts. These allow the ScanBox and the cheek retractor to pair up together. The cheek retractors are available in 3 different sizes to best fit each patient.

Thanks to the **ScanBox**, monitored patients **take scans faster than ever**, still ensuring the best quality pictures for optimum results.

Contact:

Australia: 1800 848 798

New Zealand: 0800 443 739

support_au@dental-monitoring.com



Clinically Proven.
Clinician Controlled.

New SureSmile® Aligner

- Ceph registered to 3D model and smile photo supports more biologically achievable outcomes that enable shorter, efficient treatment times.
- Treatment plans are digitally designed with ABO® graded finish*.
- Open platform accepts all STL files. Cloud based with 24/7 access.

To order your SureSmile Aligner case, register for a SureSmile Ortho account at suresmile.com or call AU/NZ +800 6655 1234

For more info, email sales.ANZ@suresmile.com



www.lingualmatrix.com

Happiness Behind Every Smile!

**I AM HAVING
INVISIBLE BRACES!**

INVISIBLE BRACES



- + Digitally Customised
3D Bracket System
- + Low Profile
- + Straight Wire
- + Horizontal Slot
- + Easy to Bond & Rebond

Email: lingualmatrix@gmail.com

lingualmatrix™

OUR SPONSORS

The Australasian Society of Lingual Orthodontists
Congress 2019 is generously supported by:

The logo for Suresmile, featuring the word "suresmile" in a white, lowercase, sans-serif font on a dark grey rectangular background.

suresmile®

The logo for 3M, with "3M" in large red letters and the tagline "Science. Applied to Life.™" in black text to the right.

3M Science.
Applied to Life.™

The logo for Ormco, with "Ormco" in a large, bold, blue sans-serif font and the tagline "Your Practice. Our Priority." in a smaller blue font below it.

Ormco
Your Practice. Our Priority.

The logo for AB Orthodontics, featuring a blue circular icon with a stylized 'A' and 'B' inside, followed by the text "AB Orthodontics" in a blue sans-serif font.

AB Orthodontics

The logo for Invisalign, featuring a grey star-like icon to the left of the word "invisalign" in a black sans-serif font, with a registered trademark symbol.

invisalign®

The logo for Archform Orthodontics, featuring an orange semi-circular arch above the word "archform" in a blue sans-serif font, with "ORTHODONTICS" in a smaller blue font below it.

archform
ORTHODONTICS

The logo for OrthoMax, with "ORTHOMAX" in a large, bold, blue sans-serif font and the tagline "ORTHODONTIC PRODUCT SPECIALISTS" in a smaller blue font below it.

ORTHOMAX
ORTHODONTIC PRODUCT SPECIALISTS

The logo for Lingualmatrix, with "lingual" in a black sans-serif font and "matrix" in a green sans-serif font, followed by a stylized 'X' icon. Below it is the tagline "CAD/CAM 3d-Lingual Bracket System" in a small black font.

lingualmatrix™
CAD/CAM 3d-Lingual Bracket System

The logo for Dental Monitoring, with "DENTAL" in a teal sans-serif font and "MONITORING" in a grey sans-serif font, with a registered trademark symbol. Below it is the tagline "Connected orthodontics" in a smaller grey font.

DENTAL
MONITORING®
Connected orthodontics

The logo for Carestream Dental, featuring a stylized orange and grey icon to the left of the word "Carestream" in a bold black sans-serif font, with "DENTAL" in a smaller grey font below it.

Carestream
DENTAL

Australasian Society of Lingual Orthodontists

PO Box 1653

Hornsby Westfield NSW 1635

AUSTRALIA

Email enquiries@aslo.com.au | **Telephone** +61 2 9398 5255 | **Fax** +61 2 9398 5277