



Beethoven International Orthodontic Specialty Course

德國國立杜易斯堡-埃森大學

德國國立杜易斯堡-埃森大學 IMC 齒顎矯正專科碩士學位先修課程



黃金陣容師資團隊

Master Degree in Specialized Orthodontics



Scientific Director
德國國立杜易斯堡-埃森大學 IMC 口腔醫學院院長
Univ. Prof. Dr. Dr. h. c. mult. Ulrich Jaos, FRCS, FDSRCS

德國國立杜易斯堡-埃森大學 IMC 口腔醫學院院長
德國明斯特大學口腔顎面外科醫院及門診部榮譽教授
英國皇家外科學會榮譽院士 (FRCS, FDSRCS)
德國外科基金會 OCS 創辦人
德國杜易斯堡 MVZ 醫療中心創辦人
歐洲齒顎外科協會 EADMFS 主席
1972 年至 1979 年為其學業最豐碩階段，先後完成牙醫、醫學學士、隨後師範及口腔顎面外科醫師，
1983 年於萊比錫大學任教職 (D-Professor)，並獲德國特許任教資格，後獲准在歐洲及歐美各國口腔
顎面外科協會的領導者，獲聘顎面外科協會榮譽會員及匈牙利學術榮譽博士 (1980-1984)，法國口腔
顎面外科協會主席 (1995)，1998 至 2002 年獲選為歐洲齒顎外科協會主席，德國杜易斯堡-埃森
大學 IMC 口腔醫學碩士學位委員會主席 (2003)，同年獲頒牙醫牙科顎面外科協會榮譽會員，海德拉巴
德 (口腔顎面外科協會國際委員會榮譽會員 (2005))，匈牙利萊比錫大學榮譽醫士及教授 (2012)，英國皇
家外科學會榮譽院士 (2016)，30 年職涯內培育超過 200 名口腔顎面外科醫師。



Dr. med. dent. Thomas Ziebur
Prof. Dr. med. dent. Thomas Stamm

德國明斯特大學醫學部齒顎矯正
醫師
德國特許齒顎矯正私人診所院長
德國杜易斯堡 MVZ 醫療中心
齒顎矯正科主任
德國萊比錫大學教授
德國齒顎矯正專科醫師



Prof. Dr. med. dent. Jörg Lisson
Univ. Prof. Dr. Ulrike Ehmer
Prof. Dr. med. Dr. med. dent. Alexander Hemprich
Prof. Dr. med. Dr. med. dent. József Piffkó
Dr. Karl-Ludwig Mischke
PD Dr. med. Dr. med. dent. Thomas Füllies
Univ.-Prof. Dr. med. dent. Ariane Hohoff
Dr. med. dent. Werner Schupp

IMC 德國齒顎矯正專科碩士學位先修課程
德國萊比錫大學醫學部齒顎矯正系主任
德國牙科考試委員會主席
德國口腔顎面外科大學教授協會主席
德國齒顎矯正專科醫師
德國明斯特大學醫學部系主任
德國明斯特大學醫學部牙科診所院長
德國明斯特大學醫學部牙科診所主任
德國明斯特大學醫學部牙科診所主任
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德國明斯特大學醫學部牙科診所主任

全球獨家歐盟臨時行醫權

歐洲唯一提供國際醫師
在當地進行實作的臨床碩士學位

課程重視臨床運用及實作技巧學程期間學員須親赴歐洲于指導教授監督下，
親自執行臨床診療，學習最先進的臨床技術，應用於自身牙科診療工作。



線上遠距教學 + 德國實習 · 工作學業兼顧



- 線上互動式教學 即時發問立即回饋
- 完整案例分析及最新技術分享 即時應用於每日臨床工作
- 兩年碩士課程包含德國實習兩次 實際參與現場課程與執行診療



Dr. Chris Chang
DDS, PhD, ABO certified, Angle Midwest
Beethoven Orthodontic Center, Taiwan



Dr. Bill Su: VISTA surgical techniques
Dr. Yulin Hsu: Early orthodontic treatment
Dr. Shu Ping Tseng: Early orthodontic treatment
Dr. Joshua Lin: Treatment for impacted teeth
Dr. Eric Hsu: Research design
Dr. Bear Chen: ABO DI & CRE
Dr. Lexie Lin: ABO case report
Annie Chen: Academic writing

Beethoven International Orthodontic Specialty Course, 是德國國立杜易斯堡-埃森大學 IMC 齒顎矯正專科碩士學位所特別增設的先修課程，由國際知名講師張慧男醫師親自規劃及授課，課程特色強調由臨床病例帶動診斷、分析、治療計劃擬定與執行技巧，亦加入最新的數位矯正與隱形牙套的內容，並邀請了貝多芬牙科集團各院院長演講特別矯正專題。

除包含原貝多芬矯正大師班的課程內容外，另外加入了骨釘與 VISTA 術式的操作課程，並新增了學術文章寫作與演講的訓練，讓醫師在進入德國碩士班之前，做好更充分的準備。

想要取得歐洲正式矯正碩士學位資格又苦惱時間不足的醫師，本先修課程是追求您目標的最佳途徑！



課程修畢即取得德國碩士班入學資格
全球目前只有三個機構擁有此先修課程資格，想要取得歐洲齒顎矯正碩士的台灣醫師，此課程為最有效率的選擇。



全新規劃的術式實作
本課程全新規劃的術式實作特別採用了由國際知名的西班牙臨床大師 Dr. Fernando Rojas-Vizcaya 所設計含阻生牙的新式牙齒模型，與歐洲課程接軌，臨床操作更易上手。



學術文章寫作訓練
本課程除了課堂演講與模型操作課程外，亦加入了學術文章寫作訓練。醫師可以學習如何有技巧並且有效率的撰寫學術文章，讓之後的碩士論文與文章發表更游刃有餘。



Taiwanese Lifestyle Through the Eyes of CC Chapter 7.

Wild Garden for Chickens

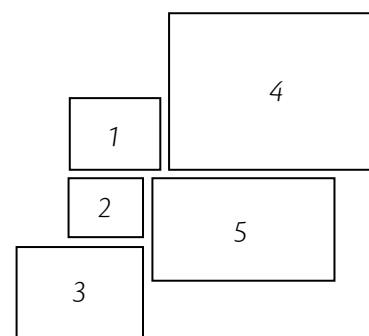
“Love your life. Perfect your life.
Beautify all things in your life.
Seek to make your life long and its purpose in the service of your people.”

– Chief Tecumseh (1768-1813)

As life expectancy increases, how we live our later years becomes an important issue that we all need to give some thoughts to, if we hope to pursue a life that is meaningful and of quality. One of Dr. Chris Chang’s neighbor, Dr. Sheng, who is in his mid-90’s, takes a stroll every morning in the neighborhood, and stops at the pond near Dr. Chris’s house to feed the fish. This scene inspired Dr. Chris to examine his daily routine and habits as he realized that good habits give us guidelines for life. Having awareness of our routine and habits, both good and bad, helps us to identify the things that we want or need to change. Improvements, then, are no longer abstract concepts, but become feasible plans and procedures.

Over the past couple of years, one particular habit that Dr. Chris has cultivated is spending some time immersed in the “wilderness” that he has developed around his home - having breakfast on his rooftop garden (see Chapter 2), playing music in the natural habitat aviary (see Chapters 3 and 6), enjoying a bath amidst the surrounding mountain views, and so on and so forth. From the beginning of this lifestyle series, Dr. Chris has been seeking to reserve spaces in and around his house for sentient beings other than humans, as well as to replicate their natural habitat as closely as possible, not because it seems to be a good thing to do (which it is!) but mainly because this brings him joy.

A while after the Chang family had moved into their current location, a patient gave Dr. Chris 5 young chickens as a housewarming present. Knowing where to keep them and how to make sure the pleasure does not wear off, as tending to them slowly turns into a chore, becomes a problem. It is impractical to keep the chickens



Figs. 1-3: An undisturbed wild garden naturally attracts new settlers. The Chang family has seen a variety of wild creatures from chafer beetles (Fig. 1) and moths (Fig. 2), to the extraordinary hummingbird moths (Fig. 3).

Fig. 4: Compared to a neatly trimmed garden design, the lives in a wild garden thrive and bloom in their most natural beauty.

Fig. 5: As the chickens settled, baby chicks started to appear, indicating the comfort and reassurance they found in the new home.



Fig. 6: While a garden like this might seem unruly, it provides the concealment and privacy that prey animals, just like chickens, need in order to identify somewhere to be their home. Lower your voice and keep your movement contained upon entering so that you do not startle the timid residents there.



Fig. 7: It is crucial to reserve bare soil for the chickens to scratch and dig to their heart's content, without causing too much damage to the garden.



Fig. 8: On top of the chicken coops, several compact discs (top right corner) are attached. They reflect the sunlight, each in a slightly different direction, and function as modern-version scarecrows that keep eagles away from the chickens.

on the ground-floor patio despite its spaciousness and that it is surrounded by flourishing plants. For one, the patio is paved with ceramic tiles, and having chickens running about would entail serious demand for scrubbing, to remain clean from chicken faeces. Furthermore, the house is located in a mountainous area, and is itself amidst wildlife, which includes natural enemies of chicken - from rats to snakes and eagles - all of which are common visitors.

Recall the rooftop wild garden and the concept "the messier, the merrier" introduced in Chapter 2? As the garden excelled in its untamedness, it had become perfect to host these newcomers. To create a habitat to accommodate undomesticated creatures, the main principle is to leave them alone! A photo-ready, perfectly trimmed garden might be more to the liking of most onlookers, but it is far from safe, nor concealed enough, to be a home for prey animals. Upon entering a wild garden, make sure to keep your footsteps and movements light, so as not to startle any of its settlers. With such caution implemented into their gardening routine, Dr. Chris's rooftop has seen such a variety of true wild lives from chafer beetles to butterflies and moths, including the most special of all, the hummingbird moth (Figs. 1-3). In addition, the plants that have been



Fig. 9: Keep the chickens in the coop for around 3 week to get them accustomed to the enclosure. Once the chickens recognize the coop as a safe place, they would return to the coop when needed - for resting, laying and hatching eggs, and even to hide from danger.

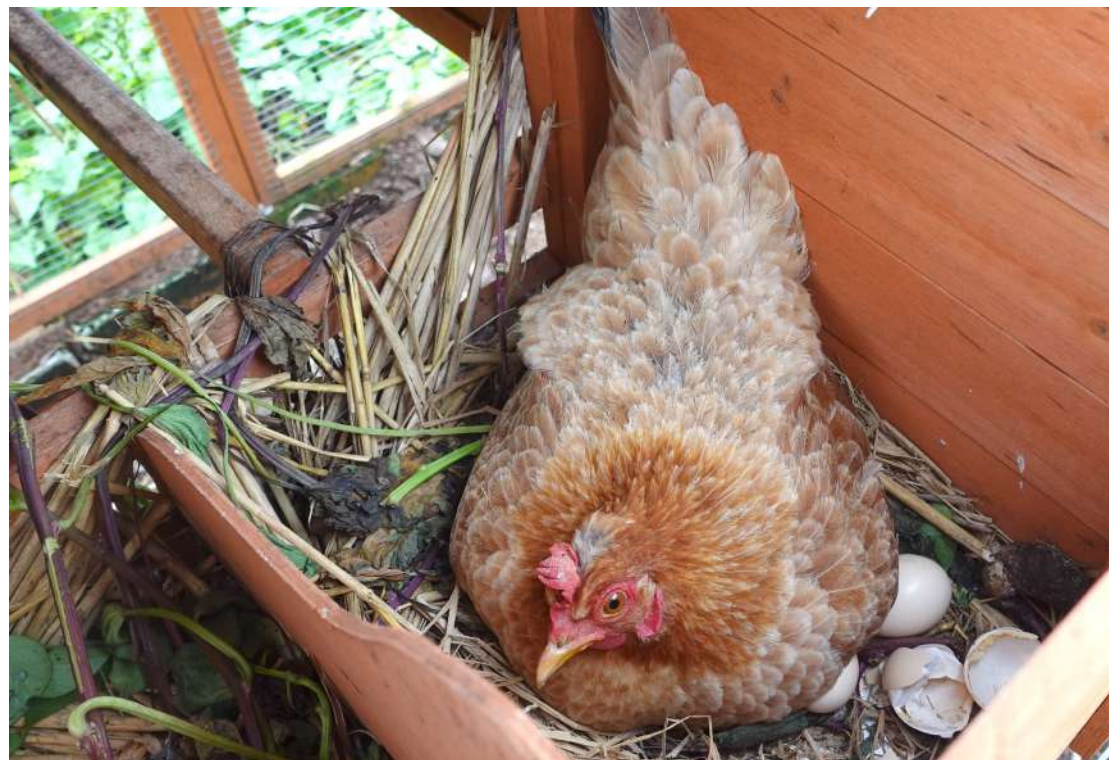


Fig. 10: Hens and their eggs enjoy privacy and tranquility in the coop during the hatching period. Coops also prevent hens from laying their eggs somewhere difficult to reach, minimizing potential trouble for cleaning.

manually grown thrive and bloom in the hands of the greatest artist - mother nature - with her energy and tenderness (Fig. 4). As the first 5 chickens have gradually matured and offspring start to make their appearance (Figs. 5 and 7), it is evident that they have settled and see the garden as a safe haven.

Much like quail (also see Chapter 2), chickens are ground-dwellers who enjoy scratching and digging on bare soil ground and snacking on the worms and insects underneath (Fig. 7). Unlike quail however, chickens are so much more forceful that chances are scarce for young, delicate sprouts to survive, unless they can outgrow the chicken's foraging speed. A garden with plants that are already fully-grown, just like Dr. Chris's, is suitable for these baddies as it has the capacity to tolerate the harm caused by the chicken's vandalism.

Coops are necessary for ensuring outdoor safety of the chickens, protecting them from winged predators like eagles, as well as from natural disasters (Figs. 8 and 9). During the hatching period, the coop provides a tranquil hiding place for the hens and their eggs (Fig. 10), which further facilitates easier management as eggs and faeces are less likely to be hidden somewhere difficult to reach. To make sure the chickens recognize the coop as a safe shelter to return to, Dr. Chris's trick is to keep them inside for the first 3 weeks or so, accustoming the chickens to the enclosure before setting them off to explore the wider, more exciting parts of the garden.

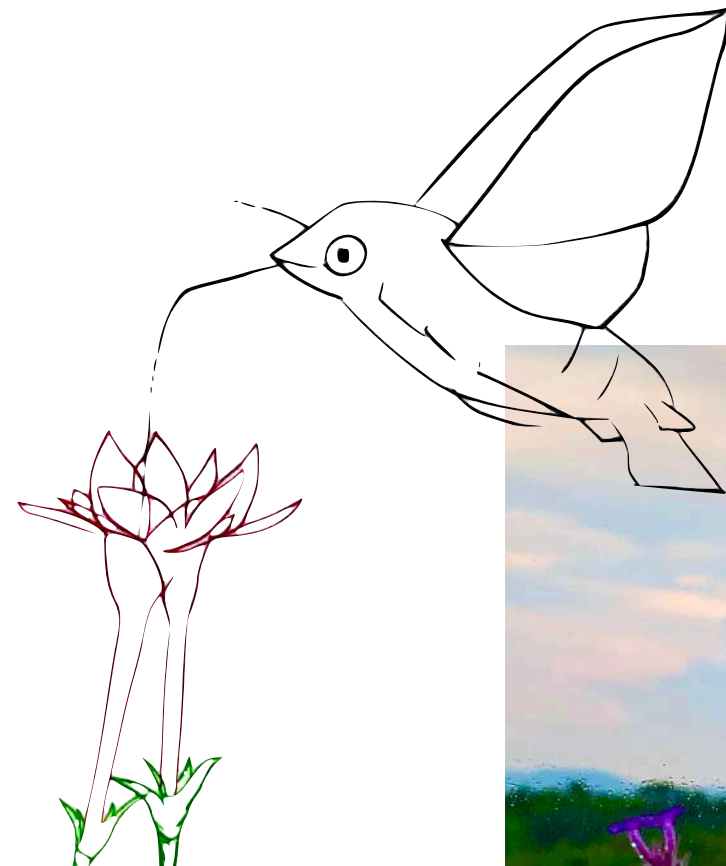
Now, a work-day routine for Dr. Chris is comprised mainly of gardening and practicing violin and golf in the morning, clinic hours from the afternoon to evening, and another round of violin and golf practice before bed. There are also intervals when he enjoys some refreshments amongst the various kinds of fairy-like, feathered creatures, which guide Dr. Chris deeper and deeper into their world. The quote by Chief Tecumseh at the beginning of this article is an inspiration to many. To Dr. Chris, however, in addition to making our life's purpose in the service of our people (for him, this lies in treating patients with dental concerns), we should also do our best to serve our wildlife.

Desk editor of JDO & a wildlife enthusiast*

Annie Chen

*Title bestowed by Dr. Chris Chang

Special thanks to Mr. Paul Head for refining this article
Special thanks to Jenny Chang for the delicate sketch of a hummingbird moth drinking nectar from a flower.



Beethoven Damon Master Program



Course Schedule

Module 1

1. Selecting your ideal first case
2. Bonding position
3. Bonding + BT + Ceph tracing
4. TADs + space closing + hook + spring
5. Finishing bending & fixed retainer

Practice: Clinical photography

Module 2

1. Four stages of efficient orthodontic treatment
2. Simple and effective anchorage system
3. Extraction vs. Non-extraction analysis

Practice: Patient photo management

Module 3

1. Soft & hard tissue diagnostic analysis
2. Big overjet correction
3. Damon diagnosis & fine-tuning

Practice: Ceph tracing

Module 4

1. Excellent finishing
2. Retention & relapse

Practice: Ceph superimposition & measurement

Module 5

1. Simplify your system
2. Extraction vs. non-extraction

Practice: Case report demo

Module 6

1. Class III correction
2. Class II correction

Topic: Early orthodontic treatment

Computer training (Mac): 1:30-2:30 pm

時間：週四全天 (9 am - 5 pm)

地點：金牛頓藝術科技 (新竹市建中一路 25 號 2 樓)

Module 7

1. Upper impaction
2. Lower impaction
3. Gummy smile correction

Topic: Modified VISTA

Module 8

1. ABO DI, CRE workshop
2. Open bite

Topic: Modified 2X4 appliance in ortho treatment

Module 9

1. Implant-ortho combined treatment
2. Asymmetry

Topic: Impacted cuspid treatment

Module 10

1. Minor surgeries in orthodontics
2. Digital orthodontics

Topic: Ortho-viewed interdisciplinary treatment

Module 11

1. Aligner & TADs
2. Keys to aligner learning

Topic: Pre-aligner treatment

Special lecture: 1:30-2:30 pm

費用含課程視訊*、iPad、課程電子書與材料。

*贈送之課程視訊提供兩年時間串流觀看。

66hrs

Beethoven Clinical Education

此訓練課程除了新增學術文章寫作與演講的訓練，也加入了骨釘與VISTA術式等操作課程，醫師不僅可以就近學習張慧男醫師的技術與經驗，亦同時培養醫師期刊寫作的能力與高效簡報的技巧。



ABO Writing Training

Medical Writing Training

Medical writing skills are crucial for clinicians, educators and researchers. This training contains academic medical writing on case reports. Participants will have a chance to publish articles for journals like Journal of Digital Orthodontics (JDO).

Presentation Workshop

The presentation workshop designed to help participants utilize the most frequently used presentation tools in Keynote to manage patient clinical records and create simple but effective patient communication presentation.

VISTA & 4 other Minor Surgeries for Orthodontic Practice

VISTA Hands-on Workshop

The VISTA (vertical incision subperiosteal tunnel access) surgical techniques for impacted cuspids will discuss the following topics:

1. VISTA with screw placement
2. VISTA with connective tissue graft
3. Suture technique

TADs & Surgeries Hands-on Workshop

The workshop covers bonding on a tyodont, TAD placement, and 4 minor surgeries for orthodontic practice.

*全系列課程修畢，完成兩篇案例報告文章後，即可取得赴德國碩士班進修資格證書。

34hrs



透過數位影片反覆觀看，結合矯正與電腦教學，課堂助教協助操作，以及診間臨床見習，讓學員在短時間能快速上手，感染「熱愛矯正學，熱愛學矯正」的熱情。

