



# **TMD**

# **Developmental Diagnosis &**

# **Treatment Planning**

**Course Preparation Materials**

# Course Introduction

*Congratulations on your desire to advance your education and become the best dentist you can be.*

*Building on the basic "Musculoskeletal Occlusal Signs and Symptoms" form, you will learn the importance and techniques of screening. You will be provided with detailed differential diagnosis for each sign and symptom as well as learn examination protocols. Developmental concepts of early iatrogenesis and recognition of problems in children in order to prevent future full mouth cases will be discovered. You will implement the K7 as an aid in the diagnosis and treatment of craniomandibular disorders. After this course, you will have an awareness of the pathology and etiology of such problems. You will be given an algorithm for diagnosis and treatment, learn precautions necessary when treating the pain patient and when and how to make ancillary referral.*

# Course Preparation Materials

*Please bring the following materials with you to the course:*

1. Two sets of crown and bridge quality diagnostic study casts of your own mouth.
2. Your medical and dental history (*Occlusal Signs & Symptoms Form* included on next page).
3. As many of the following diagnostic x-rays as available: quality tomograms/transcranials, Panorex and AP & lateral cephalometrics.
4. Intra oral/ extra oral photographs (including facial, frontal and lateral profile).

Also, it is encouraged that each participant brings any cases that present a challenge as it pertains to TMD/occlusion to review during the course. The following data and records are recommended to bring with each case:

1. Diagnostic casts
2. Photos
3. Lateral ceph
4. Corrected tomograms
5. PA ceph
6. Panorex with teeth together
7. History of the patient
8. Diagnostic scans

# Musculoskeletal-Occlusal Signs Exam Form

PATIENT NAME \_\_\_\_\_ AGE \_\_\_\_\_ DATE \_\_\_\_\_

SYMPTOMS	SIGNS (intra-oral)
1 <input type="checkbox"/> <input type="checkbox"/> Headaches	1 <input type="checkbox"/> <input type="checkbox"/> Crowded Lower Anteriors
2 <input type="checkbox"/> <input type="checkbox"/> TMJ Pain	2 <input type="checkbox"/> <input type="checkbox"/> Wear of Lower Anterior Teeth
3 <input type="checkbox"/> <input type="checkbox"/> TMJ Noise	3 <input type="checkbox"/> <input type="checkbox"/> Lingual Inclination of Lower Anterior Teeth
4 <input type="checkbox"/> <input type="checkbox"/> Limited Opening	4 <input type="checkbox"/> <input type="checkbox"/> Lingual Inclination of Upper Anteriors (Div. II Occlusion)
5 <input type="checkbox"/> <input type="checkbox"/> Ear Congestion	5 <input type="checkbox"/> <input type="checkbox"/> Bicuspid Drop Off
6 <input type="checkbox"/> <input type="checkbox"/> Vertigo (Dizziness)	6 <input type="checkbox"/> <input type="checkbox"/> Depressed Curve of Spee
7 <input type="checkbox"/> <input type="checkbox"/> Tinnitus (Ringing in Ears)	7 <input type="checkbox"/> <input type="checkbox"/> Lingually Tipped Lower Posteriors
8 <input type="checkbox"/> <input type="checkbox"/> Dysphagia (Difficulty Swallowing)	8 <input type="checkbox"/> <input type="checkbox"/> Narrow Mandibular Arch
9 <input type="checkbox"/> <input type="checkbox"/> Loose Teeth	9 <input type="checkbox"/> <input type="checkbox"/> Narrow Maxillary Arch (High Palatal Vault)
10 <input type="checkbox"/> <input type="checkbox"/> Clenching/Bruxing	10 <input type="checkbox"/> <input type="checkbox"/> Midline Discrepancy
11 <input type="checkbox"/> <input type="checkbox"/> Facial Pain (Nonspecific)	11 <input type="checkbox"/> <input type="checkbox"/> Malrelated Dental Arches
12 <input type="checkbox"/> <input type="checkbox"/> Tender, Sensitive Teeth (Percussion)	12 <input type="checkbox"/> <input type="checkbox"/> Tooth Mobility
13 <input type="checkbox"/> <input type="checkbox"/> Difficulty Chewing	13 <input type="checkbox"/> <input type="checkbox"/> Flared Upper Anterior Teeth
14 <input type="checkbox"/> <input type="checkbox"/> Cervical Pain	14 <input type="checkbox"/> <input type="checkbox"/> Facets
15 <input type="checkbox"/> <input type="checkbox"/> Postural Problems	15 <input type="checkbox"/> <input type="checkbox"/> Cervical Erosion (Notching of Gingival)
16 <input type="checkbox"/> <input type="checkbox"/> Paresthesia of Fingertips (Tingling)	16 <input type="checkbox"/> <input type="checkbox"/> Locked Upper Buccal Cusps
17 <input type="checkbox"/> <input type="checkbox"/> Thermal Sensitivity (Hot & Cold)	17 <input type="checkbox"/> <input type="checkbox"/> Fractured Cusps (Particularly CI. I & II Non-Functional Cusps)
18 <input type="checkbox"/> <input type="checkbox"/> Trigeminal Neuralgia	18 <input type="checkbox"/> <input type="checkbox"/> Chipped Anterior Teeth
19 <input type="checkbox"/> <input type="checkbox"/> Bells Palsy	19 <input type="checkbox"/> <input type="checkbox"/> Loss of Molars
20 <input type="checkbox"/> <input type="checkbox"/> Nervousness/Insomnia	20 <input type="checkbox"/> <input type="checkbox"/> Open Interproximal Contacts
21 <input type="checkbox"/> <input type="checkbox"/> Unexplained Gingival Inflammation and Hypertrophy	
<b>SIGNS (extra-oral)</b>	22 <input type="checkbox"/> <input type="checkbox"/> Crossbite
1 <input type="checkbox"/> <input type="checkbox"/> Facial Asymmetry Bilateral	23 <input type="checkbox"/> <input type="checkbox"/> Anterior Open Bite
2 <input type="checkbox"/> <input type="checkbox"/> Short Lower Third of Face	24 <input type="checkbox"/> <input type="checkbox"/> Anterior Tongue Thrust
3 <input type="checkbox"/> <input type="checkbox"/> Chilitis	25 <input type="checkbox"/> <input type="checkbox"/> Lateral Tongue Thrust
4 <input type="checkbox"/> <input type="checkbox"/> Abnormal Lip Posture	26 <input type="checkbox"/> <input type="checkbox"/> Scalloping of Lateral Border of Tongue
5 <input type="checkbox"/> <input type="checkbox"/> Deep Mentalis Crease	
6 <input type="checkbox"/> <input type="checkbox"/> Dished-Out or Flat Labial Profile	
7 <input type="checkbox"/> <input type="checkbox"/> Facial Edema	
8 <input type="checkbox"/> <input type="checkbox"/> Mandibular Torticollis	
9 <input type="checkbox"/> <input type="checkbox"/> Cervical Torticollis	
10 <input type="checkbox"/> <input type="checkbox"/> Forward Head Posture (Lordosis)	
11 <input type="checkbox"/> <input type="checkbox"/> Elongated Lower Face(Steep Mandibular Angle)	
12 <input type="checkbox"/> <input type="checkbox"/> Speech Abnormalities	

# Proposed Course Schedule

## **DAY ONE**

8:00 Introduction to TMD Developmental Diagnosis and Treatment Planning

9:00 TMD: The Great Imposter

10:00 Break

10:15 Musculoskeletal Occlusal Signs and Symptoms

11:00 Comprehensive Clinical Examination

### **12:00 Lunch**

1:00 Clinical Exam – Postural

1:30 Clinical Exam – Facial Symmetry

2:15 Clinical Exam – Oral Facial Tissues and Muscles

3:15 Break

3:30 Occlusal Characteristics, Mandibular Movements & Radiographic Characteristics

4:00 Headaches & Neck aches, Classifications, Diagnostic Impression & Prognosis

## **DAY TWO**

8:00 Functional Classification of Craniomandibular Disorders

10:00 Break

10:15 Diagnostic Evaluation, Patient Screening & Interpretation of TMD Patient

### **12:00 Lunch**

1:00 Radiology, Coronoid Hyperplasia & Complex TMJ Case Diagnosis from an Oral Surgeon

3:00 Break

3:15 Radiographic Imagery Section – Hands On Session

4:00 Med/Legal Reports

5:00 End of Day`

## **DAY THREE**

8:00 Open Forum Discussion of Previous Material & Topics

9:00 Case Presentation on Managing the TMD Patient

10:00 Break

10:15 Clinical Considerations in Transitioning from Phase I to Phase II

### **12:00 Lunch**

1:00 Complications of Surgical Treatment

2:45 Break

3:00 Complications of Surgical Treatment Continued

4:00 Panel Discussion with the Experts

5:00 End of Program

*Please Note: Lectures and Times are Subject to Change.*

# Travel Information

For all of your travel arrangements, please call Jeri our in-house travel manager, LVI Travel at (877) 805-3388. LVI Travel will introduce you to the most attractive hotel, airfare and car rentals available in Las Vegas. **Ask about our special rates in Summerlin The Red Rock Resort and Spa, JW Marriott Resort and Spa, and The Suncoast Hotel and Casino and the non-gaming Trump Towers on the strip**

Travel expenses are not included in your tuition.

# Course Change & Cancellation Policy

Registration fees are non-refundable and must be exercised within two years. LVI Global, LLC (“LVI”) reserves the right to cancel courses 60 days prior to the scheduled date of a course or activity. Should LVI cancel a course or activity, LVI will apply the full value of any deposits and fees related to said course or activity to future LVI course or activities. Should LVI cancel a course or activity, you may also have the option of having the deposits returned to you. Fees remain non-refundable but, may be reapplied to another course or activity. LVI will not be responsible for any other fees, costs or consequential damages associated with canceling this LVI course or activity with the exception of non-refundable transportation or accommodation fees booked through LVI Travel. For courses requiring a live-patient, the treating Doctor must bring a patient of record. During courses conducted at LVI, I understand that photographs or video may be taken of me for educational and marketing purposes. I hold harmless LVI for any liability resulting from this production. I waive any right to inspect the finished production as well as advertising materials in conjunction with these photographs. I understand that I may receive marketing materials as a result of my attendance. In addition, by my signature on this form, I authorize LVI or its partners to contact me via mail, facsimile or email.

Change/Cancellation/Postponement Policy:

- A change, cancellation or postponement of course date is not complete without your required signature and date.

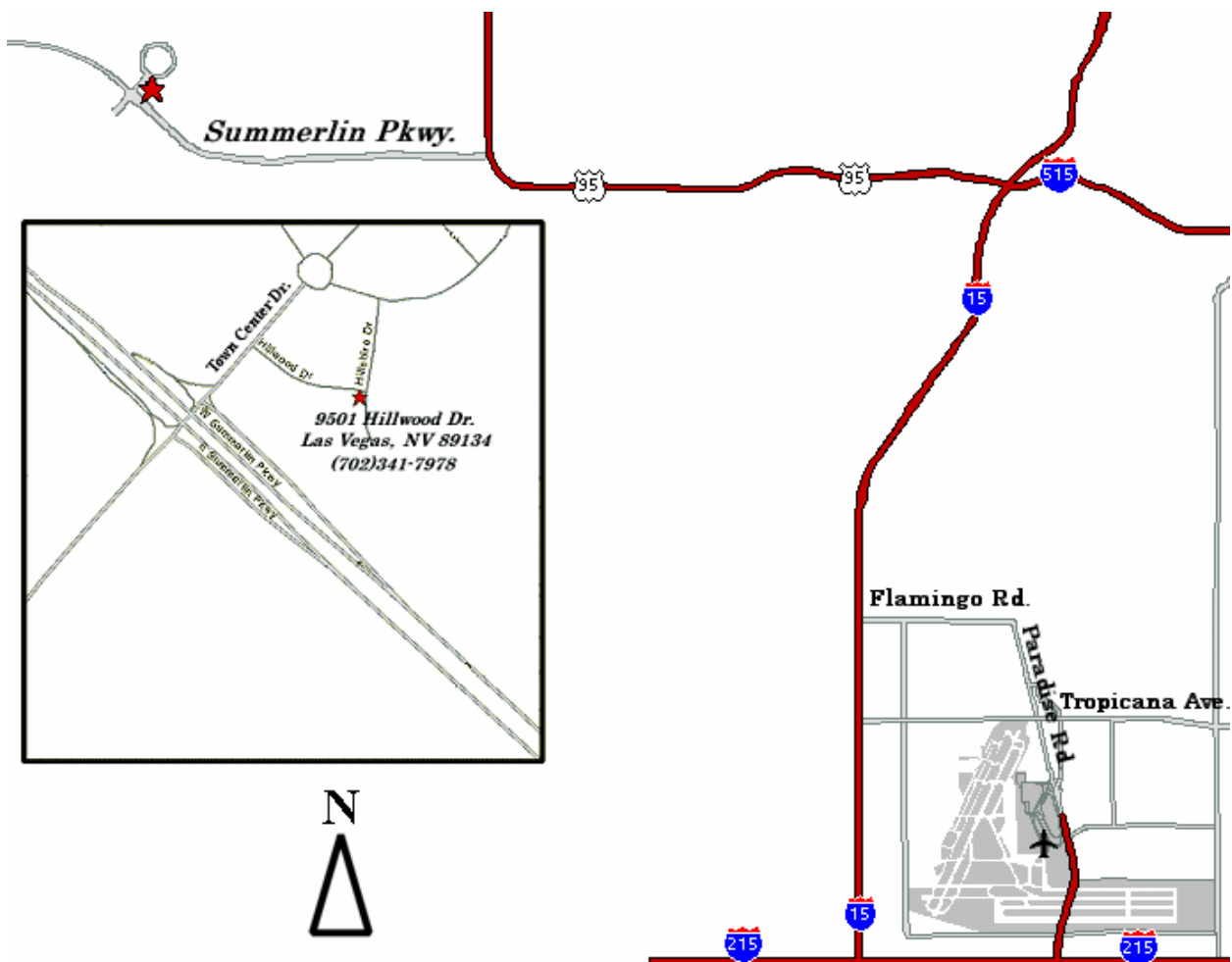
(The following do not apply if moving from TBD status to date selection)

- If change, cancellation, or postponement is received 60-90 days prior to registered course, 25% of the course fee will be forfeited.
- If change, cancellation, or postponement is received within 60 days, 50% of the course fee will be forfeited.
- If change, cancellation, or postponement is received less than 30 days prior to your registered class, 100% of the course fee will be forfeited.

# Directions to LVI

## Directions: McCarran Airport/Strip to LVI (Las Vegas Institute)

- Take the airport connector to **Paradise Road** head north to **Tropicana Ave**
- Make left turn on Tropicana to **I15 North** (right turn)
- Continue North to **I95 North** exit (head West toward Reno/Tonopah)
- Take the **Summerlin Parkway** exit
- Continue West and exit at **Town Center Drive**
- Turn right at the stop light onto **Town Center Drive**
- Take an **immediate** right at the first street (**Hillwood**)
- The institute is located on the right hand corner of **Hillwood** and **Hillshire**
- Address: **9501 Hillwood, Las Vegas, NV 89134**  
Phone: **(888) 584-3237** or **(702) 341-7978**



# Frequently Asked Questions

**Q: What is the weather like in Las Vegas?**

**A:** In the winter months (December through mid-March) temperatures range from lows around 15 degrees with highs up to 60 degrees. In spring (mid-March through May) the weather is nice with highs between 70-80 degrees. Summer months (June through mid-September) are hot, highs up to 110 degrees, with nice warm summer nights. In the fall (mid-September to November) it cools down with temperatures back around 70-80 degrees.

**Q: What should I wear when I come to LVI?**

**A:** Business casual. We tend to keep the building cold so you might want to bring a light sweater.

**Q: Is food served at LVI?**

**A:** A continental breakfast is served at 7:00 each morning and lunch is provided each afternoon. Snacks are also available throughout the day.

**Q: How far is the Las Vegas Strip from LVI?**

**A:** Approximately 12 miles. It could take up to 30 minutes with traffic.

**Q: Do you provide transportation to LVI?**

**A:** LVI provides transportation *only* from the J.W. Marriott, The Red Rock and the Suncoast Hotel.

Check with the Bell Stand for pick up times on course days.

**Q: If I take a cab, what do I tell the driver?**

**A:** Take I-15 north to I-95 North to Summerlin Parkway. Exit right on Town Center Blvd and take the first right on Hillwood Dr. (see “Directions to LVI” in this booklet for more detailed directions).

**Q: Where do I check-in when I first arrive at LVI?**

**A:** For every course you attend at LVI, you must check-in on the first day in the Hillwood Building (the main building). However breakfast will be served in the dining hall located in the Hillshire Building (the new building).

# CE Information

## Important Information Regarding Your Continuing Education Credits

### **How Many CE Hours Can I Expect to Receive From This Course?**

After completing this program, you will receive a verification letter of the appropriate AGD approved continuing education hours. These credits represent the lecture and participation portion of the course. **Your AGD number must be on file at LVI in order for us to file your education credit hours with the AGD.** You are required to complete information regarding AGD number and membership on the sign in sheet for each course. If that information is not completed, your education hours will not be sent to the AGD.

### **When Will I Receive My CE Credits?**

Your CE form will be presented along with your plaque or certificate. Please copy the form and submit it to your governing agency.

### **Does LVI Submit My CE For Me?**

Yes but only if you provide us with your AGD membership verification and your AGD number. It is your responsibility to keep the letter indicating your credits on file in your office and, if necessary submit your CE hours to the appropriate organization (i.e.: your state/territory, etc.).

### **What Happens If I Lose My CE Form?**

Once you receive your CE forms, hold on to your originals and send copies when submitting your CE hours. If your original letters are misplaced, LVI must charge a \$30.00 processing fee for necessary research. Replacement CE letters can take up to 3 weeks to receive.

## **Educational Activity Objectives:**

The Objectives for this course are for the participants to be able to:

1. Understand the growth and development of the crania-facial structures
2. Understand the functional classifications of craniomandibular disorders
3. Identify upper airway obstruction in the development of malocclusion , micrognathia and reconstruction failures
4. Describe etiology and correction of tongue thrust and TMD malocclusion.
5. Understand the importance of testing the cranial nerve and the use of radiographic analysis.
6. Describe the temporal-mandibular joint and its dysfunction.
7. Understand clinical examination, diagnosis and treatment. Of TMD
8. Identify the use of bite registration when TENS cannot be used.