

Mayo School of Continuing Medical Education

A Mayo Clinic Comprehensive Review:
**Reconstructive Surgery and Trauma
of the Upper and Lower Limb**



January 17-21, 2005

*Fairmont Kea Lani Maui
Wailea, Hawaii*

COURSE DIRECTORS:
*Robert H. Cofield, M.D.
William P. Cooney III, M.D.
David G. Lewallen, M.D.
Bernard F. Morrey, M.D.*

DISTINGUISHED GUEST FACULTY:
*Robert L. Barrack, M.D.
William J. Maloney, M.D.*

General Information

Afternoon Snorkel/Whale Watch

Wednesday, January 19, 2005 – Depart Lobby 12:30 p.m. – Return 4:30 p.m.

Maui's coastal waters are one of the richest and most diverse ecosystems in the Pacific Ocean. The water visibility in Hawaii is typically around 100 feet, making snorkeling adventures fantastic. Frequently, there are so many tropical fish that it is like swimming in an aquarium. Winter is prime whale watching season. Your chances of seeing Humpback whales are close to 100 percent. See these amazing 60-tons giant mammals breach out of the water and teach their newborn calves to communicate and survive their journey back to Alaska. This 3-hour snorkel and whale watch event may be as close to Jurassic Park as you will ever get. This is a "Must Do" while on Maui. Cost: \$80 per person.

Sunset Whale Watch Pupū Cruise

Wednesday, January 19, 2005 – Depart Lobby 3:30 p.m. – Return 6:30 p.m.

One of the reasons that Maui is the Number One Island in the World is that it is blessed with numerous islands on its horizon. As the sun sets over the Islands of Lanai and Kahoolawe to the west, the view of 10,000 feet Mt. Haleakala to the east is equally as breathtaking. If that is not enough, winter is peak Humpback whale watching season. The chances of seeing these giant behemoths frolicking in the ocean is nearly guaranteed. Transportation, tax, beverages, and appetizers included. Cost: \$75 per person for age 12 years and older.

Hana Sky Trek (Helicopter with Limo-Van)

Thursday, January 20, 2005, Check In at Kahului Heliport 11:15 a.m. – Return 5:00 p.m.

You can experience the best of both worlds in this adventure. Tour the famous Road to Hana in air-conditioned comfort and style in an exclusive luxury limo-van. Photo opportunities abound, as many stops are made along this spectacular seacoast drive. Capture lifetime memories of cascading waterfalls and swim in crystal clear pools. Stroll through lush, beautiful tropical flowers grown at Kakala Gardens. Then, fly the reverse leg in an air-conditioned jet helicopter and soar above the world's largest and most famous dormant volcano, Mt. Haleakala. Hover over waterfalls hidden in remote areas of Maui's rainforest. Six camera videos are available of your actual flight. A picnic lunch is included in this upscale tour. 250-pound weight limit. Cost: \$295 per person.

Wailea's Finest Luau

Thursday, January 20, 2005 – Check In 4:30 p.m. – Show Ends 8:00 p.m.

Join Wailea's finest luau at the Marriott Outrigger Resort. Located directly on the water, this luau has it all— island salads, a variety of meats, many delicious desserts, tropical beverages, and an authentic Hawaiian Hula Show and Imu Ceremony. The evening is topped off with a three-time world champion fire knife dancer. This luau is the winner of the Hawaii Visitor and Convention Bureau's Kahili Award. Mayo Clinic guests registering ahead will have reserved seating. The luau is a beautiful 20-minute walk. Cost: \$78 per person, including tax, for Adults; \$35.00 per person, including tax, for Children Under 12.

Zipline Eco-Adventures

Thursday, January 20, 2005 – Check In 1:30 p.m. – 2 Hour Tour

Zip through the treetops experiencing Maui's hottest new attraction! Imagine soaring over gulches and through the trees along the slopes of Mt. Haleakala. This adventure blends a short hike with four picturesque zipline crossings. The tour starts with your heart pumping as you sail across each zipline and get a bird's eye view of the vegetation below. Costa Rica has the Canopy Tour—Maui has Zipline. Transportation On Own. Cost: \$80 per person for Age 12 and Older. Helmets, gear, and tax included.

Up Country ATV

Thursday, January 20, 2005 – Check In 1:30 p.m. – 2 Hour Tour

As the saying goes, "Location is everything." Situated in scenic Ulupalakua, this location is a bit off the beaten path—the best areas often are. Magnificent views include the Big Island, Lanai, and Molokai, so don't forget the camera. This is an off-road adventure

General Information

unlike any other. Miles of trails allow you to operate without any backtracking. New scenery constantly meets the eye with an assortment of Maui's splendid wildlife, distinctive vegetation, and indigenous forest. No experience necessary. Age 16 and Older. Transportation On Own (1.5 hours). Cost: \$99 per person. Helmets, drinks, snacks, and tax included.

Hana Sky Trek (Helicopter with Limo-Van)

Friday, January 21, 2005, Check In at Kahului Heliport 11:15 a.m. – Return 5:00 p.m.

You can experience the best of both worlds in this adventure. Tour the famous Road to Hana in air-conditioned comfort and style in an exclusive luxury limo-van. Photo opportunities abound, as many stops are made along this spectacular seacoast drive. Capture lifetime memories of cascading waterfalls and swim in crystal clear pools. Stroll through lush, beautiful tropical flowers grown at Kakala Gardens. Then, fly the reverse leg in an air-conditioned jet helicopter and soar above the world's largest and most famous dormant volcano, Mt. Haleakala. Hover over waterfalls hidden in remote areas of Maui's rainforest. Six camera videos are available of your actual flight. A picnic lunch is included in this upscale tour. 250-pound weight limit. Cost: \$295 per person.

Up Country ATV

Friday, January 21, 2005 – Check In 1:30 p.m. – 2 Hour Tour

As the saying goes, "Location is everything." Situated in scenic Ulupalakua, this location is a bit off the beaten path—the best areas often are. Magnificent views include the Big Island, Lanai, and Molokai, so don't forget the camera. This is an off-road adventure unlike any other. Miles of trails allow you to operate without any backtracking. New scenery constantly meets the eye with an assortment of Maui's splendid wildlife, distinctive vegetation, and indigenous forest. No experience necessary. Age 16 and Older. Transportation On Own (1.5 hours). Cost: \$99 per person. Helmets, drinks, snacks, and tax included.

In addition to the exclusive tours for Mayo Clinic course participants, Pleasure Island Tours and Incentives will be offering all other Maui tours on an individual basis at the Mayo Clinic Hospitality Desk at the Fairmont Kea Lani Maui. Please stop by to visit about any island question and to say "Aloha." Available during published course hours only.

To make tour reservations, please fax your choices along with complete credit card information directly to Pleasure Island Incentives and Tours on the enclosed Activities Reservation Form. Cancellations must be received 72 hours prior to tour departure time to receive a full refund. Tours cancelled after this deadline are non-refundable.

Tour Disclaimer

Mayo Clinic, and Pleasure Island Incentives and Tours, and their respective parent, subsidiary, and affiliated companies, maintain no control over the personnel, equipment, or operations of any carrier, hotel, or other entity furnishing services, products, or accommodations as part of the activity and shall not be liable for any injury, damage, loss, or irregularity caused or contributed to: 1) By any act or omission on the part of these suppliers; or 2) By any defect of equipment furnished by any of those suppliers; or 3) By any act or omission on the part of any other person; or 4) By any other causes whatsoever beyond the direct control of Mayo Clinic or Pleasure Island Incentives and Tours.

General Information

Course Description

A Mayo Clinic Comprehensive Review: Reconstructive Surgery and Trauma of the Upper and Lower Limb will combine an intensive overview of advances in both upper and lower limb reconstructive surgery and trauma, bringing the best of the past and new ideas of future management. Direct contact with course faculty, interactive symposia, and challenging case presentations will assess the attendees' focus on trauma and reconstructive surgery and trauma.

Course Learning Objectives

HIP AND KNEE

Upon completion of this continuing medical education course, participants should be able to:

- Compare and contrast different surgical approaches for primary and revision arthroplasty of the hip and knee.
- Differentiate between metal and polyethylene, ceramic-on-ceramic, and metal-on-metal articulations in hip arthroplasty and the indications, advantages, and disadvantages of these three options.
- Recognize the causes of dislocation following hip arthroplasty and methods for preventing this problem along with treatment options for a recurrent dislocator.
- Compare and contrast treatments options for unicompartmental arthritis of the knee including arthroscopic debridement, osteotomy, unicompartmental knee arthroplasty, and tricompartmental total knee replacement.
- Discuss the important features of correct component alignment and ligament balancing during TKA and how to achieve this during surgery.
- Apply available techniques for management of bone deficiency of the tibia, femur, and patella as encountered during revision TKA.
- Compare and contrast the classification and treatment options for periprosthetic fractures associated with TKA.
- Analyze a treatment algorithm for management of extensor mechanism disruption associated with TKA.
- Describe the role of increasing knee component constraint in revision knee arthroplasty.
- Recognize ligament laxity following TKA.
- Assess diagnosis, prevention, and management of periprosthetic infection associated with hip and knee arthroplasty.

THE ELBOW

Upon completion of this continuing medical education course, participants should be able to:

- Describe new concepts in the management of acute traumatic conditions of the elbow, particularly fractures and dislocations.
- Discuss the expected outcome and prognosis for various conditions in the context of newer treatment options for the elbow.
- Apply emerging techniques for recognizing and managing complications of the elbow.

THE SHOULDER

Upon completion of this continuing medical education course, participants should be able to:

- Identify critical elements in decision making for treatment of shoulder fractures, dislocations, and reconstruction treatment options.
- Assess surgical techniques for managing traumatic and reconstructive problems in the shoulder, including recognition and avoidance of surgically treatable complications.
- Explain treatment options for rotator cuff tearing and its sequelae.
- Recognize common complications following shoulder arthroplasty and the approach to treatment.

General Information

THE WRIST

Upon completion of this continuing medical education course, participants should be able to:

- Recognize peripheral nerve injuries involving the upper extremity and be prepared with primary and secondary reconstruction.
- Develop options regarding soft tissue coverage, including free muscle transfer and local flap transfer.
- Describe the role of soft tissue reconstruction about the wrist for posttraumatic injuries, including the radiocarpal and distal radioulnar joint.

Attendance at this Mayo course does not indicate nor guarantee competence or proficiency in the performance of any procedures that may be discussed or taught in this course.

Distinguished Guest Faculty

The Mayo Clinic Department of Orthopedic Surgery is pleased to host two nationally and internationally recognized authorities in the field:

Robert L. Barrack, M.D.
Chief, Orthopedic Surgery Service
Barnes Jewish Hospital
St. Louis, Missouri

William J. Maloney, M.D.
Chair, Department of Orthopedic Surgery
Stanford University
Stanford, California

Intended Audience

This is an advanced course indicated for orthopedic surgeons managing reconstructive surgery and trauma of the upper and lower limb.

Credit

Mayo Foundation is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

Mayo Foundation designates this educational activity for a maximum of 26.0 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits he/she actually spent in the activity.

The American Medical Association has determined that non-US licensed physicians who participate in this CME activity are eligible for AMA PRA category 1 credit.

Other health care professionals will be provided a certificate of attendance for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

Educational Grants

At the time of this printing, a complete listing of commercial supporters was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

General Information

Date and Location

A Mayo Clinic Comprehensive Review: Reconstructive Surgery and Trauma of the Upper and Lower Limb will be held January 17-21, 2005, at the Fairmont Kea Lani Maui, Wailea, Hawaii.

The Fairmont Kea Lani Maui rests on Maui's famed Polo Beach on the sunny southwest shore of the island and is Hawaii's only all-suite, oceanfront luxury resort. A gleaming white exterior makes a spectacular sight against the clear blue skies of Wailea, known for its exceptionally sunny climate. The words "Kea Lani" mean "heavenly white," and the Fairmont Kea Lani Maui is nothing short of heaven on earth. Since its inception in 1991, the Fairmont Kea Lani Maui has welcomed travelers for whom only the most exquisite accommodations and facilities will do. Complete information on the resort is available at the Fairmont web site: www.fairmont.com.

In 1802, King Kamehameha named Lahaina on Maui the capital of the Hawaiian kingdom. Today, many agree with the great Hawaiian ruler and consider Maui the center of what's happening in Hawaii. For travel planning information to Maui and other Islands of Aloha, visit www.gohawaii.com.

Overview of the Schedule

Registration	Monday, January 17, 2005, 6:45 to 7:35 a.m.
Course Opening	Monday, January 17, 2005, 7:35 a.m.
Welcome Reception	Monday, January 17, 2005, 6:30 to 7:30 p.m.

General teaching sessions will be conducted daily from approximately 7:00 a.m. to 1:00 p.m. The course will end at approximately 1:00 p.m. on Friday, January 21, 2005.

Note: The course is designed to ensure that attendees have the opportunity to explore the Island of Maui during the afternoons—or just relax.

Registration

To register, complete the attached registration form and return by mail or fax. The registration fee includes tuition, comprehensive course syllabus, continental breakfasts, refreshment breaks, and welcome reception for each attendee and one guest. Although it is not Mayo School of Continuing Medical Education policy to limit the number of registrants for a course, conference room facilities may necessitate closing of enrollment. **Early registration is strongly advised.** A letter of confirmation will be sent upon receipt of payment and completed registration form. Please present the confirmation letter when checking in at the meeting registration desk. Please do not consider yourself registered for this course until confirmation is received from the Mayo School of Continuing Medical Education.

Cancellation Policy

Your registration fee, less a \$75 administrative fee, will be refunded when written notification is received by the Mayo School of Continuing Medical Education before January 3, 2005. **No refunds will be made after January 3, 2005.**

General Information

Faculty Disclosure

As a provider accredited by ACCME, Mayo Foundation must ensure balance, independence, objectivity and scientific rigor in its educational activities. All faculty participating in a Mayo Foundation activity are required to disclose commitments to and/or relationships with pharmaceutical companies, biomedical device manufacturers or distributors, or others whose products or services may be considered to be related to the subject matter of the educational activity. Faculty will also disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of these commitments and/or relationships will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.



General Information

Travel

Airfare is the sole responsibility of the individual registrant. AAA Travel has negotiated multiple airline contracts to provide attendees and their guests with the lowest available airfares. Reduced airfares into the Kahului Airport are available by calling AAA Travel at 800-648-6718 or 507-289-2917, by faxing 507-289-4005, or by e-mailing jamie.lund@mn-ia.aaa.com. Please reference the Mayo Clinic Comprehensive Orthopedic Surgery Review course when making travel arrangements. **Reduced airfares are subject to availability. To take maximum advantage of discounted rates, it is strongly recommended that flights be booked 60 or more days prior to actual travel.**

Special car rental rates are available through Budget Rent a Car Hawaii at the Kahului Airport. For reservations, call 800-777-0169 and reference the Mayo Clinic Comprehensive Orthopedic Surgery Review course, **Group Code U071259**. Rental requires that each driver be 25 years or older with a major credit card in the driver's name. A \$20.00 per day underage surcharge applies to drivers 21-24 years of age with a major credit card in their name. At the time of rental, Budget will provide each attendee with a local map and specific directions to the Fairmont Kea Lani Maui. Reservations can also be made online at www.Budget.com.

The Fairmont Kea Lani Maui does not provide complimentary airport shuttle service. SpeediShuttle Door-to-Door Airport Services operates air-conditioned vans between the airport and the resort. Telephone 808-875-8070 directly or use the courtesy phones at all baggage claim areas by simply dialing 65. Reservations are required. Departure reservations must be made at least two hours in advance. The shuttle operates from 5:00 a.m. to 10:00 p.m. daily.

Taxi service is available by Wailea Taxi Service. Phone 808-874-5000. Rate from the airport to the resort is approximately \$35.00.

Lodging Accommodations

Hotel reservations are the sole responsibility of the individual registrant. Blocks of guestrooms have been reserved with special course rates at the Fairmont Kea Lani Maui. To ensure accommodations and the discounted rate, **please make your reservations by December 15, 2004**, and identify yourself as a participant of the Mayo Clinic Comprehensive Orthopedic Surgery Review course.

Please call the Fairmont Kea Lani reservations center at 800-659-4100, direct at 808-875-4100, or by facsimile at 808-875-2250 for reservation requests. The Fairmont Kea Lani Maui is extending the special rate of \$250 plus state and local taxes (currently at 11.4166% and subject to change) for a one-bedroom suite. Service charges are not included in this rate. Porterage and maid gratuities will be at each individual's discretion. The hotel is pleased to extend this program rate three days prior and three days post the published course dates, based on availability. **A two (2) nights' deposit is required at the time of booking the reservation or no later than 14 days prior to arrival, with the balance due at check-out.**

Rooms are available on a first-come basis, based upon the group block. Other room types may be available. Please contact the Fairmont Kea Lani Maui reservations department for rates and availability. The Fairmont Kea Lani Maui is unable to guarantee requests for bed types and area locations. Every effort will be made, however, to honor a request.

General Information

The maximum number of persons allowed in each suite, utilizing existing bedding, is as follows:

One Bedroom Suite	4 Persons
Two Bedroom Villa	6 Persons
Three Bedroom Villa	8 Persons

Each of the Fairmont Kea Lani Maui suites features a minimum of 840 square feet of living space including one bedroom, extra large Italian marble bathroom with deep soaking tub, separate living room with full entertainment system, and a large furnished lanai.

Child Care Arrangements

Child care arrangements are the sole responsibility of the parent(s) or guardian(s). Keiki Lani, the hotel's activity center for kids, is a state-licensed facility for children between 5 and 13 years old. Keiki Lani, which means "Heavenly Children" in Hawaiian, offers supervised activities by accredited staff. Children enjoy painting coconuts, building sandcastles, exploring tidepools, learning to dance hula, and making real flower leis. Each child receives a complimentary Keiki Lani t-shirt on their first visit. The activity center can accommodate up to 19 children, so guests are encouraged to make reservations as soon as possible to avoid disappointment. Keiki Lani is open from 9:00 a.m. to 3:00 p.m. Rate is \$55 per child, per day. For reservations and information, please call 800-659-4100.

Independent babysitting services are available on the Island of Maui. Please contact the hotel's Concierge Desk for details.

Pre-Course and Post-Course Vacation Option: Oahu

The Hyatt Regency Waikiki Resort and Spa offers guests the best possible venue to enjoy all the amenities of the Waikiki resort area. The location is convenient to swimming, shopping, dining, and Kapiolani Park at the foot of Diamond Head. The resort offers a full service spa, five restaurants, over 60 on property shops, and distinctive open-air architecture that fills the property with the trade winds and sunshine. Complete information is at the resort web site: www.hyattwaikiki.com.

The following pre and post course rates are extended on a space available basis only and are subject to 11.416 percent taxes:

January 13-17, 2005
Run-of-House: \$155
Run-of-Ocean: \$189

January 21-24, 2005
Run-of-House: \$155
Run-of-Ocean: \$189

Reservations must be made directly with the Hyatt Regency Waikiki Resort and Spa by phoning 808-921-6026. Please reference the Mayo Clinic Comprehensive Orthopedic Surgery Review course to receive these special rates. A major credit card will be requested to guarantee reservations.

Pre-Course and Post-Course Vacation Option: Kauai

The Hyatt Regency Kauai Resort and Spa is the most luxurious of Kauai hotels and resorts and just completed a multi-million dollar renovation including newly refurbished oversized guestrooms and suites and a complete renovation to the award-winning ANARA Kauai spa. Complete information is at the resort web site: www.hyattkauai.com.

General Information

The following pre and post course rates are extended on a space available basis only and are subject to 11.416 percent taxes and a \$15 per night resort fee.

January 13-17, 2005

Garden/Mountain: \$235

Deluxe Ocean: \$285

January 21-24, 2005

Garden/Mountain: \$235

Deluxe Ocean: \$285

Reservations must be made directly with the Hyatt Regency Kauai Resort and Spa by phoning 808-742-2353 or 800-742-2353. Please reference the Mayo Clinic Comprehensive Orthopedic Surgery Review course to receive these special rates. Reservations require two nights' deposit. Cancellation or No Show seven days or less from arrival forfeits two nights' deposit.

For more information on all of the Hawaiian Islands, access the Hawaii Visitors & Convention Bureau at 888-424-2924 or <http://www.gohawaii.com>.

Social Programs

Welcome Reception –January 17, 2005

Attendees and their guest(s) are cordially invited to join the course faculty for the Welcome Reception on Monday evening, January 17, 2005. This casual reception welcomes you to Maui, officially opens the course, and offers you the perfect opportunity to make connections with existing and new colleagues. **Pre-registration is requested.**

Recreation/Leisure Activities

Located close to Wailea's three championship 18-hole, par 72 golf courses, 14 tennis courts, and boutique shopping, the Fairmont Kea Lani Maui offers a full activities program. Snorkeling, kayaking, sailing, windsurfing, and a myriad of island-wide excursions are sure to beckon. For those preferring a more leisurely pace, relaxation by one of the pools or a rejuvenating treatment in the full-service Spa Kea Lani is available.

Optional Group Activities

Volcano Bike Adventure

Tuesday, January 18, 2005 – Depart Lobby 1:30 p.m. – Return 6:00 p.m.

Not your "run of the mill" van tour—This is exciting! Your "out there" bike ride starts from the top of the world's largest dormant volcano, Mt. Haleakala. Where can you cruise 22 miles downhill without peddling? Nowhere, but Maui. This crater is so vast that it is said that one could put the entire City of Manhattan inside without any skyscraper peeking out. Needless to say, the photo opportunities during this tour are incredible. An experienced guide will lead, with a van to follow behind, as you cruise along paved roads. Enjoy the smells of the eucalyptus forest on the way down. Round-trip transportation, helmets, rain gear, custom bikes, and a box lunch are included in this once-in-a-lifetime outdoor adventure. You must be at least 12 years old and 5 feet tall. Cost: \$110 per person.

Sunset Whale Watch Pupū Cruise

Tuesday, January 18, 2005 – Depart Lobby 3:30 p.m. – Return 6:30 p.m.

One of the reasons that Maui is the Number One Island in the World is that it is blessed with numerous islands on its horizon. As the sun sets over the Islands of Lanai and Kahoolawe to the west, the view of 10,000 feet Mt. Haleakala to the east is equally as breathtaking. If that is not enough, winter is peak Humpback whale watching season. The chances of seeing these giant behemoths frolicking in the ocean is nearly guaranteed. Transportation, tax, beverages, and appetizers included. Cost: \$75 per person for age 12 years and older.

Program Schedule

Monday, January 17, 2005

THE HIP

Mayo Clinic in Rochester Course Director
David G. Lewallen, M.D.

Mayo Clinic in Rochester Course Faculty
Daniel J. Berry, M.D.
Miguel E. Cabanela, M.D.
Arlen D. Hanssen, M.D.
Mark W. Pagnano, M.D.
Robert T. Trousdale, M.D.

Mayo Clinic in Scottsdale Course Faculty
Christopher P. Beauchamp, M.D.
Mark J. Spangehl, M.D.

Mayo Clinic in Jacksonville Course Faculty
Mary I. O'Connor, M.D.
Kurt E. Blasser, M.D.
Gavan P. Duffy, M.D.

Distinguished Guest Faculty
Robert L. Barrack, M.D.
William J. Maloney, M.D.

- 6:45 a.m. Registration/Continental Breakfast
- 7:30 a.m. Welcome/Announcements
David G. Lewallen, M.D.
- 7:35 a.m. **Symposium I: Surgical Approaches for Primary THA – Video Techniques**
- Primary THA: Posterior Approach
Miguel E. Cabanela, M.D.
- Primary THA: Anterolateral Approach
David G. Lewallen, M.D.
- Osteotomy for Complex Primary THA
Daniel J. Berry, M.D.
- MIS Approaches: Mini Anterior
Arlen D. Hanssen, M.D.
- Mini Posterior
Kurt E. Blasser, M.D.
- 2 Incision
Mark W. Pagnano, M.D.
- Panel Discussion: MIS Versus Standard Incisions – Who, What, When, and How
- 8:40 a.m. **Symposium II: Surgical Approaches in Revision THA-- Video Techniques**
- Extended Trochanteric Osteotomy
Daniel J. Berry, M.D.
- Extensile Anterolateral Approaches
David G. Lewallen, M.D.
- Transfemoral Approach
Arlen D. Hanssen, M.D.
- Panel Discussion: Which Approach for Revision THA and Why?
- 9:10 a.m. **Special Guest Lecture: Dislocation Following THA – Causes, Prevention, and Treatment**
Robert L. Barrack, M.D.
- 9:30 a.m. Discussion
- 9:40 a.m. Break
- 10:00 a.m. **Symposium III: The Bearing Surface – Pros and Cons**
- Metal-on-Polyethylene
Gavan P. Duffy, M.D.
- Ceramic-on-Ceramic
Miguel E. Cabanela, M.D.
- Metal-on-Metal
Christopher P. Beauchamp, M.D.

Program Schedule

- Panel Discussion: Bearing Surface Options – What to Use and When
- 10:35 a.m. **Special Guest Lecture: Osteolysis – Cause, Effects, Assessment, and Management**
William J. Maloney, M.D.
- 11:00 a.m. **Symposium IV: Acetabular Reconstruction**
- Assessment and Classification of Acetabular Defects
Mark J. Spangehl, M.D.
- Jumbo Cups and Particulate Grafting
Robert T. Trousdale, M.D.
- Massive Defects: Acetabular Augments and Modularity
David G. Lewallen, M.D.
- Massive Defects: Antiprotrusio Cages and Cage-Cup Constructs
Daniel J. Berry, M.D.
- 11:30 a.m. Panel Discussion: What To Do When a Jumbo Cup Is Not Enough
Case Discussions
- 11:50 a.m. **Symposium V: Techniques for Femoral Reconstruction – When and How**
- Cement Revisions
Mary I. O'Connor, M.D.
- Impaction Grafting
Miguel E. Cabanela, M.D.
- Extensively Coated Stems
Robert T. Trousdale, M.D.
- Modular Tapered Stems
David J. Jacofsky, M.D.
- Panel Discussion: Which Stem During a Revision and Why
- 12:30 - **Case Presentations to Faculty**
- 1:30 p.m. **Attendees: Bring x-rays**
(Box Lunches)
- 1:30 p.m. Adjourn

Tuesday, January 18, 2005

THE KNEE

Mayo Clinic in Rochester Course Director
David G. Lewallen, M.D.

Mayo Clinic in Rochester Course Faculty
Daniel J. Berry, M.D.
Diane L. Dahm, M.D.
Arlen G. Hanssen, M.D.
David J. Jacofsky, M.D.
Douglas R. Osmon, M.D.
Mark W. Pagnano, M.D.
Franklin H. Sim, M.D.
Michael J. Stuart, M.D.
Robert T. Trousdale, M.D.

Mayo Clinic in Jacksonville Course Faculty
Kurt E. Blasser, M.D.
Gavan P. Duffy, M.D.
Mary I. O'Connor, M.D.

Mayo Clinic in Scottsdale Course Faculty
Christopher P. Beauchamp, M.D.
Mark J. Spangehl, M.D.

Distinguished Guest Faculty
Robert L. Barrack, M.D.
William J. Maloney, M.D.

- 6:30 a.m. Registration/Continental Breakfast
- 7:00 a.m. Announcements
David G. Lewallen, M.D.
- 7:05 a.m. **Symposium VI: Management of Unicompartamental Arthritis**
- Injection Therapy – Corticosteroids and Hyaluronates
Kurt E. Blasser, M.D.
- Arthroscopic Debridement: Still a Viable Option?
Diane L. Dahm, M.D.

Program Schedule

- Osteotomy: Closing Wedge – How and When
Franklin H. Sim, M.D.
- Osteotomy: Opening Wedge – How and When
Michael J. Stuart, M.D.
- Unicompartmental Knee Arthroplasty
Mark W. Pagnano, M.D.
- Panel Discussion: Which Procedure for Which Patient?
- 8:00 a.m. **Symposium VII: Surgical Approaches for Primary and Revision TKA: Video Techniques**
- The “Mini”-Medial Parapatellar Approach
Michael J. Stuart, M.D.
- Subvastus Versus Mid-Vastus Approach for Primary TKA
Mark W. Pagnano, M.D.
- Quadriceps Snip for Re-Do TKA
David J. Jacofsky, M.D.
- Tubercle Osteotomy
Robert T. Trousdale, M.D.
- Panel Discussion: When is Bigger Better?
- 8:40 a.m. **Special Guest Lecture: Knee Kinematics in TKA Design**
William J. Maloney, M.D.
- 9:00 a.m. Refreshment Break
- 9:10 a.m. **Symposium VIII: Issues in Primary TKA – Doing it Better**
- Alignment and Patellar Tracking
Daniel J. Berry, M.D.
- Ligament Balancing During TKA
Michael J. Stuart, M.D.
- Advances in Anesthesiology and Perioperative Pain Management
Mark W. Pagnano, M.D.
- Panel Discussion: Difficult Primary TKA Cases
- 10:15 a.m. **Symposium IX: Revision TKA: Challenges and Solutions**
- Removal of Well-Fixed Components: How To Do It
Gavan P. Duffy, M.D.
- Management of Tibial and Femoral Bone Deficiency: Femur and Tibia
Arlen D. Hanssen, M.D.
- Management of Patellar Bone Deficiency
David G. Lewallen, M.D.
- Management of Ligamentous Laxity Following TKA
Mark W. Pagnano, M.D.
- Periprosthetic Fractures Associated with TKA: Classification and Treatment
Michael J. Stuart, M.D.
- Management of Extensor Mechanism Disruption
Robert T. Trousdale, M.D.
- Panel Discussion and Case Presentations
- 11:15 a.m. **Special Guest Lecture: Complex Revision TKA – The Return of the Rotating Hinge**
Robert L. Barrack, M.D.
- 11:25 a.m. Questions/Discussion
- 11:40 a.m. **Symposium X: Prevention and Management of Infection Associated with TKA and THA**
- Prophylactic Antibiotics: What, When and How Long?
Douglas R. Osmon, M.D.

Program Schedule

Evaluation for Infection: What Tests and When?

Mark J. Spangehl, M.D.

Debridement in Chronic Suppression: When, Why, and In Whom?

Mary I. O'Connor, M.D.

Two Stage Exchange in the Use and Fabrication of Antibiotic Laden Spacers

Christopher P. Beauchamp, M.D.

Antibiotic Management Strategies for the Infected Arthroplasty

Douglas R. Osmon, M.D.

Two-Stage Reimplantation of the Infected Arthroplasty: Technical Tips

Arlen G. Hanssen, M.D.

12:30 - **Case Presentations to Faculty**

1:30 p.m. **Attendees: Bring x-rays**

(Box Lunches)

1:30 p.m. Adjourn

Wednesday, January 19, 2005

THE SHOULDER

Mayo Clinic in Rochester Course Director

Robert H. Cofield, M.D.

Mayo Clinic in Rochester Faculty

Robert H. Cofield, M.D.

Diane L. Dahm, M.D.

Joaquin Sanchez-Sotelo, M.D., Ph.D.

John W. Sperling, M.D.

Scott P. Steinmann, M.D.

Michael E. Torchia, M.D.

Doris E. Wenger, M.D.

Mayo Clinic in Scottsdale Faculty

Scott F. M. Duncan, M.D.

Steven J. Hattrup, M.D.

CASE PRESENTATIONS, THE SCIENCE, THE TECHNIQUES

7:00 a.m. Continental Breakfast

7:30 a.m. Welcome, Introduction, and Messages

Robert H. Cofield, M.D.

7:35 a.m. Internal Fixation of Clavicle Fractures

Scott F. M. Duncan, M.D.

7:45 a.m. Modern Internal Fixation Methods for Proximal Humerus Fractures

Michael E. Torchia, M.D.

7:55 a.m. Nonunions of Proximal Humerus Fractures

John W. Sperling, M.D.

8:05 a.m. Tuberosity Fixation in Proximal Humerus Fractures

Michael E. Torchia, M.D.

8:15 a.m. Managing Osteonecrosis

Steven J. Hattrup, M.D.

8:25 a.m. Panel Discussion, Questions, and Answers

8:40 a.m. MR Imaging of the Labrum

Doris E. Wenger, M.D.

8:50 a.m. SLAP Lesions

Diane L. Dahm, M.D.

9:00 a.m. Trauma Plus Multidirectional Instability

Steven J. Hattrup, M.D.

9:10 a.m. Posterior Shoulder Instability

Diane L. Dahm, M.D.

9:20 a.m. Panel Discussion, Questions, and Answers

9:35 a.m. Refreshment Break

Program Schedule

- 10:00 a.m. Surgical Treatment of Acromioclavicular Dislocations in 2004
Scott F. M. Duncan, M.D.
- 10:10 a.m. Evaluation and Management of Nerve Injuries about the Shoulder
Scott P. Steinmann, M.D.
- 10:20 a.m. Management of Malunions
John W. Sperling, M.D.
- 10:30 a.m. MR Simulators of Rotator Cuff Problems
Doris E. Wenger, M.D.
- 10:40 a.m. Massive Rotator Cuff Tears, Grafts, and Transfers
Scott P. Steinmann, M.D.
- 10:50 a.m. Panel Discussion, Questions, and Answers
- 11:05 a.m. Cuff Tear Arthropathy, Hemiarthroplasty, or Reverse
Joaquin Sanchez-Sotelo, M.D., Ph.D.
- 11:15 a.m. Nuances of Shoulder Arthroplasty for Osteoarthritis and Rheumatoid Arthritis
Robert H. Cofield, M.D.
- 11:25 a.m. Unstable Shoulder Arthroplasty
Joaquin Sanchez-Sotelo, M.D., Ph.D.
- 11:35 a.m. Revising the Glenoid/Humeral Components
Robert H. Cofield, M.D.
- 11:45 a.m. Panel Discussion, Questions, and Answers
- 12:15 p.m. Adjournment

Thursday, January 20, 2005

ELBOW TRAUMA/MANAGEMENT, CONSEQUENCES, AND RECONSTRUCTION

Mayo Clinic in Rochester Course Director

Bernard F. Morrey, M.D.

Mayo Clinic in Rochester Course Faculty

William P. Cooney III, M.D.

Bernard F. Morrey, M.D.

Shawn W. O'Driscoll, M.D., Ph.D.

Joaquin Sanchez-Sotelo, M.D., Ph.D.

Scott P. Steinmann, M.D.

- 7:00 a.m. Welcome, Overview, and Goals
Bernard F. Morrey, M.D.

ELBOW TRAUMA

- 7:05 a.m. Flowing Through the Elbow: The Spectrum of Surgical Exposures of the Elbow
HOW TO Video
Joaquin Sanchez-Sotelo, M.D., Ph.D.
- 7:30 a.m. Distal Humeral Fractures and Nonunions: New Concepts of Management
HOW TO Video
Shawn W. O'Driscoll, M.D., Ph.D.
- 7:55 a.m. Discussion
Moderator: *Bernard F. Morrey, M.D.*
Panelists: *Joaquin Sanchez-Sotelo, M.D., Ph.D., Shawn W. O'Driscoll, M.D., Ph.D.*

CURRENT CONCEPTS

- 8:20 a.m. Acute Injury Dislocation
Joaquin Sanchez-Sotelo, M.D., Ph.D.
- 8:35 a.m. Olecranon Fracture Management
HOW TO Video
Scott P. Steinmann, M.D.
- 8:55 a.m. Coronoid Fracture: Understanding and Management
HOW TO Video
Shawn W. O'Driscoll, M.D., Ph.D.

Program Schedule

- 9:15 a.m. Radial Head Fracture: Prosthetic Replacement 2004
HOW TO Video
William P. Cooney III, M.D.
- 9:35 a.m. Summarizing the Concept of Complex Instability
HOW TO Video
Bernard F. Morrey, M.D.
- 9:55 a.m. Discussion
Moderator: *William P. Cooney III, M.D.*
Panelists: *Shawn W. O'Driscoll, M.D., Ph.D., Scott P. Steinmann, M.D., Bernard F. Morrey, M.D.*
- 10:15 a.m. Refreshment Break

COMPLICATIONS OF ELBOW TRAUMA/ELBOW STIFFNESS

- 10:35 a.m. The Column Procedure
HOW TO Video
Joaquin Sanchez-Sotelo, M.D., Ph.D.
- 10:50 a.m. Repetitive Trauma of the Elbow, Degenerative Arthritis
HOW TO Video
Bernard F. Morrey, M.D.
- 11:05 a.m. Arthroscopic Options
HOW TO Video
Shawn W. O'Driscoll, M.D., Ph.D.
- 11:20 a.m. Discussion
Moderator: *Shawn W. O'Driscoll, M.D., Ph.D.*
Panelists: *Joaquin Sanchez-Sotelo, M.D., Ph.D., Bernard F. Morrey, M.D.*

RECONSTRUCTION BY TOTAL ELBOW ARTHROPLASTY

- 11:35 a.m. Option 1 – A New Concept
HOW TO Video
Shawn W. O'Driscoll, M.D., Ph.D.
- 11:55 a.m. Option 2 – Proven Success and Revisions
HOW TO Video
Bernard F. Morrey, M.D.
- 12:20 p.m. Discussion
Moderator: *Joaquin Sanchez-Sotelo, M.D., Ph.D.*
Panelists: *Shawn W. O'Driscoll, M.D., Ph.D., Bernard F. Morrey, M.D.*
- 12:30 p.m. Ajournment

Note: All videos are 5 minutes.

Friday, January 21, 2005

THE WRIST AND HAND

SOFT TISSUE RECONSTRUCTION/NERVE AND SOFT TISSUE COVERAGE

Mayo Clinic in Rochester Course Director
William P. Cooney III, M.D.

Mayo Clinic in Rochester Faculty
Richard A. Berger, M.D., Ph.D.
Allen T. Bishop, M.D.
William P. Cooney III, M.D.
Steven L. Moran, M.D.
Alexander Y. Shin, M.D.
Scott P. Steinmann, M.D.

Mayo Clinic in Scottsdale Faculty
Scott F.M. Duncan, M.D.
Kevin J. Renfree, M.D.

Mayo Clinic in Jacksonville Faculty
Peter M. Murray, M.D.

Program Schedule

THE WRIST AND HAND

- 8:00 a.m. Scapholunate Ligament Repair with Capsulodesis
Steven L. Moran, M.D.
- 8:20 a.m. Scapholunate Ligament Reconstruction – Tenodesis
William P. Cooney III, M.D.
- 8:40 a.m. Lunotriquetral Ligament Reconstruction – Repair and Ligament Reconstruction
Alexander Y. Shin, M.D.
- 9:00 a.m. Distal Radioulnar Joint – TFC Repair – Open Repair with Arthroscopic Assistance
Kevin J. Renfree, M.D.
- 9:20 a.m. Distal Radioulnar Joint Reconstruction – Ligament Reconstruction with Adams/Berger – Procedure
Richard A. Berger, M.D., Ph.D. or Peter M. Murray, M.D.
- 9:40 a.m. Compressive Neuropathies – Ulnar, Median, and Radial Nerves
Peter M. Murray, M.D.
- 10:00 a.m. Tendon Transfers for Radial Nerve Lesions
Scott F.M. Duncan, M.D.
- 10:10 a.m. Tendon Transfers for Ulnar Nerve Lesions
Scott P. Steinmann, M.D.
- 10:20 a.m. Tendon Transfers for Median Nerve Lesions
William P. Cooney III, M.D.
- 10:30 a.m. Discussion
- 10:45 a.m. Refreshment Break
- 11:00 a.m. Brachial Plexus Nerve Injuries – Current Concepts
Allen T. Bishop, M.D.
- 11:20 a.m. Upper Limb Free Muscle Transfers in Brachial Plexus Palsy
Alexander Y. Shin, M.D.
- 11:40 a.m. Shoulder and Elbow Muscle Transfers in Obstetrical and Adult Brachial Plexus Palsy
Steven L. Moran, M.D.
- 12:00 p.m. Soft Tissue Coverage of the Elbow – Rotational Flaps Versus Free Tissue Transfer
Scott P. Steinmann, M.D.
- 12:20 p.m. Soft Tissue Coverage of the Hand – Local Flaps Versus Free Flap Transfers
Alexander Y. Shin, M.D.
- 12:40 p.m. Discussion
- 1:00 p.m. Adjournment

A Mayo Clinic Comprehensive Review:
**Reconstructive Surgery and Trauma of
the Upper and Lower Limb**

January 17-21, 2005

Fairmont Kea Lani Maui • Maui, Hawaii

Mail or FAX this completed registration form to:

Mayo School of Continuing
Medical Education
200 First Street SW
Rochester, MN 55905

Telephone: 800-323-2688 or 507-284-2509
FAX: 507-284-0532
E-mail: cme@mayo.edu
Website: www.mayo.edu

(Please print or type all information. You may duplicate this form for multiple registrations.)

Name _____

First Name

Middle Name or Initial

Last Name

Degree MD DO PhD PA NP Other _____

Institution _____

Medical Specialty _____

E-mail Address _____

Which is your preferred mailing address: Work/Business Home

Work Address _____

City _____ State/PV _____ ZIP/Postal Code _____ Country _____

Home Address _____

City _____ State/PV _____ ZIP/Postal Code _____ Country _____

Home Telephone (_____) _____ Business Telephone (_____) _____

Int'l Telephone (Country code) _____ (City code) _____ (Phone) _____

FAX _____

 Please check if you have special accommodation or dietary needs and indicate specific need(s): _____

SOCIAL EVENTS:

Welcome Reception on 1/17/2005 *(Complimentary for each attendee and one guest)*

LOWER EXTREMITY

Yes, I plan to attend.

No, I do not plan to attend.

Yes, I plan to attend with guest(s). Number of tickets @ \$75 each \$ _____

Welcome Reception on 1/19/2005 *(Complimentary for each attendee and one guest)*

UPPER EXTREMITY

Yes, I plan to attend.

No, I do not plan to attend.

Yes, I plan to attend with guest(s). Number of tickets @ \$75 each \$ _____

BOX LUNCHES: Yes, I will need a box lunch on Monday, January 17, 2005.

Yes, I will need a box lunch on Tuesday, January 18, 2005.

PAYMENT	Physician's Fee (5 days):	\$975	\$ _____
	Physician's Fee (3 days):	\$600	\$ _____
	Residents, Physician Assistants and Nurse Practitioners:	\$500	\$ _____
	Total Payment Enclosed:		\$ _____

Check: *(payable to Mayo Foundation)* Credit Card: Visa MasterCard Discover

Cardholder's Name _____

Card Number _____

Expiration Date _____

Activities Registration Form

A Mayo Clinic Comprehensive Review:

Reconstructive Surgery and Trauma of the Upper and Lower Limb

January 17-21, 2005

Fairmont Kea Lani Maui
Wailea, Hawaii

Fax or mail payment to:

Pleasure Island Incentives and Tours
P.O. Box 959
PMB 605
Kihei, HI 96753

RESERVATION DEADLINE:

JANUARY 3, 2005

Fax: 800-889-MAUI

Pleasure Island Incentives and Tours welcomes you to the Island of Maui and offers the convenience of registering for tours in advance. Every effort will be made to accommodate your requested tours. However, some tours have limited space. Sign-ups will be taken on a first come, first serve basis. Tours are confirmed upon receipt of your registration form. You will be notified only in the event that your selected tour is unavailable. All taxes are included. Gratuities are discretionary.

Tours will be confirmed with an activity voucher or ticket that you will receive upon check-in at the Mayo Clinic Hospitality Desk. Cancellations must be received 72 hours prior to tour departure time to receive a full refund. Tours cancelled after this deadline are non-refundable.

ACTIVITY	DATE	TIME	# OF GUESTS	PRICE	TOTAL
Volcano Bike Adventure	1/18/05 Tuesday	Lobby 1:30 p.m.		\$110.00	
Afternoon Snorkel/ Whale Watch	1/19/05 Wednesday	Lobby 12:30 p.m.		\$80.00	
Wailea's Finest Luau	1/20/05 Thursday	Check-in 4:30 p.m.		\$78.00 adult \$35.00 child	
Sunset Whale Watch Pupu Cruise	1/18/05 Tuesday	Lobby 3:30 p.m.		\$75.00	
Sunset Whale Watch Pupu Cruise	1/19/05 Wednesday	Lobby 3:30 p.m.		\$75.00	
Hana Sky Trek Heli/Van Tour	1/20/05 Thursday	Check in 11:15 a.m.		\$295.00	
Hana Sky Trek Heli/Van Tour	1/21/05 Friday	Check in 11:15 a.m.		\$295.00	
Zipline Eco-Adventure	1/20/05 Thursday	Check in 1:30 p.m.		\$80.00	
UpCountry ATV	1/21/05 Friday	Check in 1:30 p.m.		\$99.00	

Name (Please print name of each participant): _____

Address: _____

City: _____ State: _____ Zip: _____

Telephone: (_____) _____ Fax: (_____) _____

() Check () Visa () MC () AMX

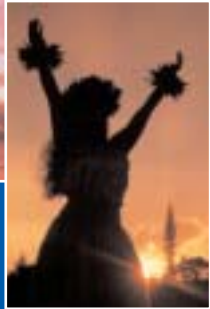
Credit Card Number: _____ Exp. Date: _____

Signature: _____ Date: _____



200 First Street SW
Rochester, Minnesota 55905

A Mayo Clinic Comprehensive Review: **Reconstructive Surgery and Trauma of the Upper and Lower Limb**



January 17-21, 2005

**Fairmont Kea Lani Maui
Wailea, Hawaii**

© 2004, Mayo Press • Printed in U.S.A.
MC8042

If you have received a duplicate brochure, please
give this brochure to an interested colleague.

Non-Profit
Organization
U.S. POSTAGE PAID
Minneapolis, MN
Permit No. 3395