Minutes (Meeting No. 93)

An Ordinary meeting of Board of Studies of the department of Orthopaedic Surgery was held on 31.8.2018 (Friday), at 10:30 a.m., in the Conference Room of the department. Following members attended this meeting.

<table>
<thead>
<tr>
<th>Name</th>
<th>Position</th>
<th>Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prof. Mazhar Abbas</td>
<td>Dr. Yasir Salam Siddiqui</td>
<td>Dr. Fazeel Ahmed Khan</td>
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<tr>
<td>Prof. Naier Asif (in chair)</td>
<td>Dr. M. J. Khan</td>
<td>Dr. Intekhab Alam</td>
</tr>
<tr>
<td>Prof. Aamir Bin Sabir</td>
<td>Dr. Mohd. Faizan</td>
<td>Dr. Arshad Ahmed</td>
</tr>
<tr>
<td>Prof. Abdul Qayyum Khan</td>
<td>Dr. Jufiqar</td>
<td>Prof. Ibne Ahmad (Assigned Member)</td>
</tr>
<tr>
<td>Dr. Latif Zafar Jilani</td>
<td>Dr. Ziaul Hoda Shaan</td>
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Meeting was called to order and at the outset chairperson, welcomed the members.

Proposed Agenda was taken up as per following items:

**Item No. 1** Confirmation of the minutes of last meeting No. 92: Minutes of Meeting No. 92 were confirmed.

**Item No. 2** Allocation of Supervisors & Co-Supervisors for M.S. Orth. students, admitted batch-2018; M.S. Orth. candidates’ (admitted batch-2018) Supervisors were allocated as per the following details.

<table>
<thead>
<tr>
<th>Name</th>
<th>PG students</th>
<th>Date of joining</th>
<th>Supervisor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr. Akash Yadav</td>
<td>1.5.2018</td>
<td></td>
<td>Prof. Mazhar Abbas</td>
</tr>
<tr>
<td>Dr. M. Danish Firoz</td>
<td>1.5.2018</td>
<td></td>
<td>Prof. Naier Asif</td>
</tr>
<tr>
<td>Dr. Mohammad Sohaib Haider</td>
<td>3.5.2018</td>
<td></td>
<td>Prof. Aamir Bin Sabir</td>
</tr>
<tr>
<td>Dr. Akshay Panwar</td>
<td>1.5.2018</td>
<td></td>
<td>Prof. Abdul Qayyum Khan</td>
</tr>
<tr>
<td>Dr. Mohammad Saleh</td>
<td>1.5.2018</td>
<td></td>
<td>Dr. Latif Zafar Jilani</td>
</tr>
<tr>
<td>Dr. Umesh Kumar Bahagotia</td>
<td>1.5.2018</td>
<td></td>
<td>Dr. Sohail Ahmad</td>
</tr>
</tbody>
</table>

**Item No. 3** Appointment of Examiners, Moderators & Re-evaluator: MBBS (F) Prof., Part-II examination admitted batch, 2014 (1st & 2nd exams).

Examiners were approved/passed and the details are being sent to the Controller of Examinations, vide D. No. 3455/OS, dated 8.9.2018, through Dean, Faculty of Medicine, under confidential sealed cover.

**Item No. 4** Department’s Annual Report, 2018-2019:

The department’s Annual Report (2018-2019), already sent to Deputy Registrar (General), vide D. No. 3651/OS, dated 18.5.2018, was considered and passed.

**Item No. 5** Review of undergraduate/postgraduate & Diploma in Physiotherapy syllabus:

The Undergraduate and Postgraduate syllabi was reviewed and approved as per MCI norms. A committee consisting of Prof. Abdul Qayyum Khan, Dr. M.J. Khan and Dr. Jufiqar was constituted to review the syllabus of Diploma in Physiotherapy and submit a revised syllabus at the earliest.

**Item No. 6** Co-opted Members:

Names of two Professors as per rules were selected by the BOS and are being sent to Assistant Registrar (Academic), through Dean, Faculty of Medicine vide letter D. No. 3468/OS, dated 13.9.2018 in a separate envelope.

Chairperson, thanked the members for attending the meeting and the meeting ended with vote of thanks to the chair.

Prof. Naier Asif
Chairperson
Dept. of Orthopaedic Surgery
J.N. Medical College
A.M.U., Aligarh

Chairperson
D/o Orth. Surgery
Syllabus
Diploma in Physiotherapy Course Third Year
Paper – I (PTR-303)

Orthopaedics & Orthopaedic Surgery

1. Introduction
   a) Introduction to Orthopaedic Terminology
   b) Clinical examination of an Orthopaedic patient
   c) Common Investigations.

2. Traumatology
   a) Definition, Classification, Clinical Features, Differential Diagnosis, Investigations, Medical & Surgical
      Management of the following:
   b) General Principles, Outline the following:
      • Types of fractures including patterns. Open & Closed fractures and fracture dislocations.
      • Differences between dislocation and subluxation.
      • General and local signs and symptoms.
      • Principles of management –Conservative and Surgical.
      • Prevention and treatment of complications including fracture disease, Volkman’s Ischaemic
      • Contracture, Sudeck’s Atrophy, Carpal Tunnel Syndrome. Myositis Ossificans, and Shoulder
      • Hand Syndrome.
      • Functional Bracing
      • Soft Tissue Injuries
   c) Upper Limb Trauma
      Enumerate major long bone fractures and joint injuries.
      Enumerate the major soft tissue Injuries.
      Describe their clinical features. Principles of management and complications.
   d) Lower Limb Trauma
      Enumerate major long bone fractures and joint injuries.
      Enumerate major spinal fractures and joint injuries.
      Enumerate the major soft tissue Injuries
      Describe their clinical features. Principles of management and complications
   e) Spinal Trauma
   f) Polytrauma
      a) Nerve Injuries
      b) Vascular Injuries

3. Amputations
   b) Outline pre-operative, operative and prosthetic management.
   c) Outline prevention and treatment of complication

4. General Orthopaedics
   a) Congenital Deformities
      Outline the Clinical Features and Management of CTEV, CDH, Flat Foot, Vertical Talus, Limb Deficiency
      (Radial Club Hand and Femoral, Tibial and Fibular Deficiencies Meningomyelocele, Spina bifida, Sprengel shoulder, etc.)
   b) Developmental Disorders of Bone
      Outline the clinical features and management of Cartilage Dysplasia and Bony Dysplasia.
   c) Infections of Bones and Joints
      Outline the Clinical Features, Pathogenesis, Investigations, Differential Diagnosis and
      Management of Osteomyelitis, Pyogenic Arthritis, Septic Arthritis, etc
   d) Tuberculosis of Bone and Joints
      Outline the Clinical Features, Pathogenesis, Investigations, Differential Diagnosis and
      Management of spine, Hip, Knee, SI Joint, Pott’s Tuberculosis Rheumatism,
      Tubercular Osteomyelitis, etc.
   e) Generalized Disease of Bone
      Outline the Clinical Features, Pathogenesis, Investigations, Differential Diagnosis and Paget’s disease.
   f) Diseases of Joints
      Outline the Clinical Features, Pathogenesis, Investigations, Differential Diagnosis and Management of
      Osteoarthritis, degenerative disorders Ankylosis, Reiter’s Diseases, Gout, Pseudo-Gout, Hysterical Joint etc.
   g) Outline the Clinical Features, Pathogenesis, Investigations, Differential Diagnosis and
      Management of Cerebral Palsy, Poliomyelitis,
Syllabus
Diploma in Physiotherapy Course Third Year
Paper – I (PTR-303) – (Continued)

Physiotherapy in Orthopaedics and Orthopaedic Surgery
1. Introduction
   a) Assessment of the patients
   b) Setting of Treatment Goals and Plans.

3. General Orthopaedics & Regional Orthopaedics

Review of the Condition, Assessment, Management and Treatment Goals and plants for the following Conditions:

   a) Diseases of the Joints: Bone & Joint Tuberculosis, Osteoarthritis, Rheumatoid Arthritis, Ankylosing Spondylitis, Reiter’s disease, Gout
   b) Shoulder: Tendinitis, Peri Arthritis, Rotator Cuff Injury, Deltoid Fibrosis, Adhesive Capsulitis, Frozen Shoulder, deformities of Shoulder.
   c) Elbow: Tennis Elbow, golfer’s Elbow, Recurrent Slipping of Ulnar Nerve, Pulled Elbow, etc.
   d) Wrist and Hand: Ganglion, De Quervain’s Disease, Trigger Thumb and Finger, Carpal Tunnel Syndrome, Dupuytren’s Contracture, Hand and VIC etc.
   e) Spine: Cervical: Brachial Neuralgia, Brachial Plexus Injury, Thoracic Inlet syndromes, Torticollis, Cervical Spondylitis, PID, etc. Thoracic and Lumbar spine: Deformities of the spine, Spondylolisthesis, Lumbosacral Strain, Lumbar Canal Stenosis, spondylitis, PID, etc.
   g) Knee: Deformities, Quadriceps Fibrosis, Recurrent Dislocation of the Patella, Osgood Schlatter’s Disease, Loose Bodies, Anterior Knee Pain, Chondromalacia Patellae, etc.
   h) Foot and Ankle: Painful Heel, Plantar Fasciitis, Posterior Heel Pain, CTEV, Foot Deformities, Forefoot pain, Metatarsalgia, Tarsal Tunnel Syndrome, etc.

5. Orthopaedic Surgery

Pre and Postoperative Assessment and Management of Surgeries like:
   a) Osteotomy, Arthrodesis, Arthroplasty, Joint Replacements.
   b) Tendon Transplant, Soft Tissue Release, Grafting.
   c) Spinal Stabilization, Reattachment of limbs, Ilizarov’s Techniques.
   d) Spinal surgeries, In C.P & Polio.

6. Prosthetics & Orthotics

   a) Assessment, Management and Treatment Goals of Amputation, Levels of Amputation, Stump Care, Bandaging, Pre and Post prosthetic Management, Prosthetic Checkout, Complications and their Management, etc.
   b) Upper limb Prosthesis and its Rehabilitation.
   c) Lower limb Prosthesis and its Rehabilitation.
   d) Upper limb Orthoses and its Rehabilitation.
   e) Lower limb Orthoses and its Rehabilitation.
   f) Spinal Orthoses and its Rehabilitation.
5. Regional Orthopedics
Outline the Clinical Features, Pathogenesis, Investigations, Differential Diagnosis and Management of the following conditions:

a) Shoulder
   Tendonitis, Peri Arthritis, Rotator Cuff Injury, Deltid Fibrosis, Adhesive Capsulitis, Frozen Shoulder, etc.

b) Elbow
   Tennis Elbow, Golfer’s Elbow, Recurrent Slipping of Ulnar Nerve, Pulled Elbow, etc.

c) Wrist and Hand
   Ganglion, De Quervain’s Disease, Trigger Thumb and Finger, Carpal Tunnel Syndrome, Dupuytren’s Contracture, etc.

d) Spine
   Cervical; Brachial Neuralgia, Brachial Plexus Injury, Thoracic Inlet Syndrome, Cervical Spondylitis, Spondylosis I/D etc. Thoracic and Lumbar Spine: Deformities of the spine, Spondylolisthesis, Lumbar Strain, Compression, PIVD and Vascular diseases and dysraphism, Lumbar canal Stenosis, Spondylitis, Spondylosis etc.

e) Hip
   Coxa Vara, Slipped Upper Femoral Epiphysis, AVN, etc

f) Knee
   Deformities, Quadriceps Fibrosis, Recurrent Dislocation of the Patella, Osgood Schlatter’s Disease, Loose Bodies, Anterior knee Pain, Chondromalacia Patellae, etc.

g) Foot and Ankle
   Painful Heel, Plantar fasciitis, Posterior Heel Pain, Deformities, Forefoot pain.

b) Peripheral Nerve Injuries
   Outline the Clinical Features and Management of, including reconstructive surgery of: Radial, Median and Ulnar nerve lesions, Sciatic and Lateral Popliteal Lesions, Brachial Plexus injuries including Erb’s, Klumpke’s and Crutch Palsy.

6. Special Surgical Techniques
General Principles and Applications of the followings:

a) Arthrodesis and Arthroplasty
b) Tendon Transfer
c) Muscle Lengthening
d) Tenotomy
e) Tendon repair
f) Osteotomy
g) Nerve Suturing
h) Dissection
i) Spinal fusion
j) Laminectomy
k) Soft tissue Release.

[Najeeb]
Chairperson
Di Oth Surgery