

# ANNUAL REPORT

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**Pakistan Institute of Community Ophthalmology  
Hayatabad Medical Complex, Peshawar.**

Striving for the Highest Levels of Excellence for Prevention of Blindness through  
Comprehensive Eye Care Service & Human Resource Development

Pakistan Institute of Community Ophthalmology, Hayatabad Medical Complex  
Government of Khyber Pakhtunkhwa, Peshawar, Pakistan

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## 1. EXECUTIVE SUMMARY

Pakistan Institute of Community Ophthalmology (PICO), Hayatabad Medical Complex, Peshawar is an internationally renowned Institute of Ophthalmology. Human Resource Development, Research, and Comprehensive Eye Care Program are the three main pillars of the institute and all its functions and progress revolve around them.

Pakistan Institute of Community Ophthalmology (PICO), as an institutional requirement develops different reports showing its progress. As some of its activities are also funded by its International Partners, PICO therefore also fulfills its obligation to its Partners by acquainting them about the latest progress on its different programs on regular basis and as and when required. PICO finally consolidates all its progress in the form of its annual report which is published and disseminated among all the key stakeholders by end of January each year. In its HRD Program, PICO is running various academic programs like MPH in Community Eye Health, MPH (General), M. Phil. Visual Sciences, Bachelor of Vision Sciences, Post Graduate Diploma and certificate courses for Ophthalmic Technicians. PICO is affiliated with Khyber Medical University, Khyber Pakhtunkhwa for its Degree and Post-graduate program and with Medical Faculty, Khyber Pakhtunkhwa for its diploma/certificate programs. In the year 2014, the studies of old session students of MPH (CEH) Continued while process for fresh admissions for the session 2015 was completed by the end of 2014. Similarly, the four classes of BSc Vision Sciences were continued as per routine while admission process for the new incumbent was completed. PICO started F. Sc Ophthalmic Technology in the year 2014. Likewise, the admission process for the fresh intake in Ophthalmic Technician Course was completed in the year 2014. The administration of PICO continued its struggle to meet best possible standards of the academic, accommodation, registration and other essential requirements of its students by providing them the qualified teaching faculty, well furnished classrooms and academic environment in the library and suitable hostel accommodation facilities.

Research in any field is not only the academic requirement of the students but it is also of great utility for the society. It provides solution to the problems in the specific areas and new insights for future developments/improvements. PICO gives great importance to its Research and Development Program.

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The Comprehensive Eye Care (CEC) Cell of PICO is responsible for planning, implementation, monitoring & evaluation of the District Comprehensive Eye Care Program. In the year 2014 the major achievements of the CEC Cell included up gradation of the Eye Departments of three hospitals, one each Teaching, DHQ and THQ hospital. Fresh Need Assessment of the District Eye Care Program is being conducted to assess the present status of the eye departments in the districts and find out deficiencies for further improvement in the program. These deficiencies will be included in the New Provincial PC-I for Prevention and Control of Blindness, which will be proposed for inclusion in the Health Sector ADP for the FY 2015-16. The approval of PC-I for construction of the PICO hostel was another great achievement of PICO. The tenders have been called and the technical and financial evaluation of the Contractors is being carried out. The construction on the hostel is expected to begin in January 2015. When completed, it would resolve the long standing issue of accommodation for the PICO students coming from the far flung areas. CEC Cell PICO also celebrated the World Glaucoma Week and World Sight Day with great spirit in the year 2014. Multiple activities regarding awareness and advocacy events were arranged for dissemination of important eye care information to the general public. In the year 2014, one Consultant Community Ophthalmologist and one Medical Officer was appointed in the CEC Cell on regular basis, which further strengthened the CEC Cell. It will enable the CEC Cell to play its role more affectively in the prevention of avoidable blindness in the province. Regarding HRD strengthening twelve new recruitment done in the year 2014.

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## **2. Improving & Promoting Eye Health:**

### **Activities of Comprehensive Eye Care Cell:**

Comprehensive Eye Care (CEC) Cell, Pakistan Institute of Community Ophthalmology, HMC, Peshawar is a technical hand of the Government of Khyber Pakhtunkhwa, Health Department in Eye Care Services. Its aim is to provide preventive, promotive, curative and rehabilitative eye care services. It has also been notified as the Focal Point of Health Department, Govt. of Khyber Pakhtunkhwa for all the eye care services throughout the province.

#### **A. Update on DCECP**

##### **1. NP for PCB (Up Gradation of District Eye Departments):**

Prior to devolution the National Program for Prevention and Control of Blindness (2005-2010) was an umbrella project spread over in all the provinces. Aim of the program was to eliminate the avoidable blindness by developing eye care infrastructure, providing ophthalmology equipment and HRD of the Eye Care Staff. After Devolution, the NP for PCB was devolved to provinces. Hence, a PC-I worth Rs. 207.695 million was prepared and approved from the competent forum in the province. Mandate of the new PC-I was to meet the remaining targets of the National Program of Blindness Control. In the FY 2013-14, the up-gradation of Eye Departments of three hospitals, i.e. DHQ Teaching Hospital, D.I. Khan, DHQ Hospital Tank and THQ Hospital Puran District Shangla was done. These hospitals were selected as per PICO's Need Assessment done in the year 2012-13. The Ophthalmology Equipment worth Rs. 44 million for OPD and OT was purchased and installed for the above mentioned hospitals in the June 2014.

Thus till recent, a total of 4 Teaching hospitals out of 7, 23 DHQ Hospitals out of 25 and 5 THQ hospitals out of 17 have been upgraded.

##### **2. Targets of NP for PCB for FY 2014-15:**

The current financial year 2014-15 is the last year of the NP for PCB KPK program. Total expected releases to the program in the CFY are Rs. 44.600 million. These funds will be allocated on Up-gradation of eye departments of two hospitals (One teaching and one THQH), Holding of 08 free surgical eye camps in the far flung areas of KPK, Advocacy and Awareness activities including celebration of WSD and WGW & HRD Trainings. Capacity Building of Doctors, Eye Specialist and CEC Cell staff.

PICO will prepare another PC-I for Prevention and Control of Blindness to be funded from the Provincial Govt. Developmental Budget after doing a complete need assessment of the eye departments of the hospitals in KPK and in accordance with their actual needs.

As for as the current progress is concerned, the EOIs for the purchase of ophthalmology equipment have been called/ advertised. Medicines, IOLs and Consumables are being purchased for the eye camps. Training of ophthalmologists & doctors is planned in March 2015. Work on the preparation of new PC-I for Prevention and Control of Blindness, Khyber Pakhtunkhwa have been initiated. Lay/out for the proposed project has been developed.

### 3. Public Awareness Program:

#### **World Glaucoma Week Celebrations (10<sup>th</sup>-15<sup>th</sup> March, 2014):**

In line with the advocacy and awareness program under the NP for PCB KPK, the WGW was celebrated with great zeal. CEC Cell PICO arranged two major events on the occasion of WGW Celebrations:

##### **a) Eye Screening Camps :**

Eye Screening Camps were held in HMC and Naseerullah Khan Babar Memorial Hospital, Peshawar. A special clinic was setup with in the premises of the hospital where a team of Ophthalmologists & Optometrists screened all the people age 40 and above coming to the hospital for any reason. A total of 350 patients were screened for Glaucoma disease in the two camps.

##### **b) Awareness Seminars at 5 Districts:**

The second activity in this regard was public awareness campaigns through the district Eye Care units. The CEC Cell PICO prepared special pamphlets and posters for the awareness of Glaucoma in general public. These materials were distributed to the district eye care units. And the District Eye Specialists disseminated the information about the WGW and Glaucoma disease at the districts levels. Accordingly, awareness Seminars/gatherings were held at five districts i.e. at D.I. Khan, Karak, Kohat, Mardan and Swat. District Eye Specialists and Medical Colleges Students of the respective districts shared important information among the students and community on eye diseases generally and on Glaucoma particularly. NP for PCB, KPK provided logistic and financial support for the events.



#### **World Sight Day Celebrations October 2014:**

The world sight day 2014 was celebrated with the same spirit of prevention of avoidable blindness as every year. This year PICO held a seminar involving the district eye specialists at the occasion of World Sight Day 2014. The participants were apprised with this year's theme which was "No more Avoidable Blindness". The participants were also oriented with the upcoming problems of Diabetes and its complications such as diabetic retinopathy. Known diabetologists, community ophthalmologists and physicians gave talks on this occasion. Participation was made by 07 ophthalmologists from 07 different districts and 01 medical superintendent. Reason for this low compliance was law and order situation throughout the province.



#### **4. Advocacy:**

##### **a) Formation / approval of Provincial Diabetic Retinopathy Blindness Working Group:**

The working group was approved by the PBCB KP in its bi-annual meeting held on 13/12/2013 as per recommendations of the 22<sup>nd</sup> meeting of NCEH Pakistan.

The Provincial DRB WG was officially notified by the Health Department, Govt. of Khyber Pakhtunkhwa on 2<sup>nd</sup> May, 2014.

1<sup>st</sup> Meeting of the DRB WG was held on 20<sup>th</sup> August, 2014 at PICO under the chairmanship of Provincial Coordinator, NP for PCB, KPK. Since, it was 1<sup>st</sup> meeting therefore the purpose of the meeting was to introduce the group members to one another and have a preliminary discussion and brainstorming on the future strategies for taking forward the objectives of the DRB WG.

2<sup>nd</sup> meeting of DRB WG was held on 24<sup>th</sup> September, 2014 at PICO and review of progress on the decision made in the 1<sup>st</sup> DRB WG meeting.

WG is responsible for planning regarding advocacy, capacity building and to establish concrete referral chain from LHW to tertiary care level. In this regard WG stress on the need for a fresh provincial survey on diabetes and diabetic related diseases in order to have authentic information on the burden of the disease in the province.



**b) Pakistan-Australia Prevention of Avoidable Blindness Project (PAPAB)**

Pakistan Institute of Community Ophthalmology (PICO) with The Fred Hollows Foundation in collaboration, Eye Department & Endocrinology / Diabetes Department Hayatabad Medical Complex, Khyber Pakhtunkhwa Primary Health Care (KPH), PPIU NP for FP & PHC (LHW Program) running the project.

Objectives of the project were to strengthening Health System for managing Childhood Blindness, Diabetes and Diabetic Retinopathy (HSS CBL, DM & DR) District Peshawar 2014-2015.

Activities of the project were Capacity Building of Medical Officers in first level diagnosis and management of diseases -First Batch of 13 MOs were trained on May 12<sup>th</sup> -13<sup>th</sup> 2014 at PICO. Second batch planned in February 2015. LHW Trainings in community mobilization and awareness-raising about the diseases and identifying and referring high risk individuals- 322 LHWs from 18 RHCs, BHUs & CDs were trained in May & June 2014. Follow up Visits by Project team (Optometrist, Diabetic Educator) to BHUs to examine & treat/ refer screened out patients. Proper record keeping of patients referred and treated at various levels. Awareness Raising Campaigns carried out at 3 BHUs. Community Support Groups associated with each BHUs were used to spread awareness about the diseases into the communities. Also using channels like Billboards, Banners, cable messages etc. LHW Refresher Trainings were conducted in 7 BHUs to review LHWs performance and coverage of their respective service communities. Follow up on non complying patients- telephonically, through LHWs, providing transport facility resulted in increasing compliance rate from 5% to 52% Safety net treatment for poor and deserving patients (Laser +FFA+ Peads eye surgeries). MoU regarding School Eye Health Program, Pakistan Australia Prevention of Avoidable Blindness (PAPAB) project has also been signed. RAAB D.R Survey. The survey was conducted in Peshawar in 2013-14 with the support of FHF. 3048 subject were examined out of 3185 eligible yielding an excellent response rate of 96.8%.

Future Plans of the project are to train 2<sup>nd</sup> Batch of 10 BHUs to be taken up in first quarter of 2015. 10 MO Trainings planned for Feb 2015. LHS/LHW trainings planned in Feb 2015. Team visits to BHUs on daily basis- 3 visits per BHU Follow up on patients referred/ pick and drop facility Safety Net Treatment/ free surgeries for poor and deserving patients. Awareness campaigns using Community Support Group mechanism.





## **B. CAMPS/OUT REACH ACTIVITIES:**

### **Free Surgical Eye Camps (Under NP for PCB, KP):**

Out Reach activities/Free Surgical Eye Camps is one of the approved activity of the NP for PCB KPK. These activities are planned among the poor of the poorest pockets of the Province.

In this regard in the last FY three free surgical eye camps in the marginalized districts of Khyber Pakhtunkhwa were planned. PICO was able to hold four free surgical eye camps. First eye camp was held in District Karak, 2<sup>nd</sup> was conducted in Tehsil Alpuri, District Shangla, the third one in District Dir (Upper) and the last one was conducted in Tehsil Puran, District Shangla.

A total of 2500 patients were seen in the OPD, 950 patients were given free OPD medicines and 275 cataract surgeries were performed in the four free surgical eye camps.

Free Surgical Eye Camp at DHQH Hangu with the assistance of CHEF Int. 08-12<sup>th</sup> Sep, 2014. Surgeries 79, OPD 840, Medicines 391. Eye Screening of 1000 school children at Army Public School, Peshawar. Free Surgical Eye Camp at IDPs Camp Baka Khel Bannu from 17-20<sup>th</sup> November, 2014. In this Camp a total of 1500 OPD, 1300 Medicines & 65 surgeries were done. As free surgical eye camps are planned among marginalized district where eye health care facilities are not yet strengthen and the respective community is not able to get eye health services in other areas of the Province. With this we can reduce cataract blindness.



### **2. Gulbahar Lions Club, Peshawar Eye Health Activities (Free Eye Camps in 2014):**

PICO also holds regular eye screening camps with the assistance of Gulbahar Lions Club, Peshawar. 1<sup>st</sup> camp was held at Shah Mansoor Hospital Swabi on 28/09/2014, in which 1150 patients were seen, provided with medicines and given glasses for refractive errors. Second eye camp was held on Sardar Garhi and Darul Atfal, Hashtnagri, Peshawar on 23/11/2014, in which 500 children were screened for refractive error and eye diseases. Third Eye camp was conducted at ICMS College, Tarnab Farm, G.T. Road, Peshawar on 30/11/2014, in which 650 patients were seen, prescribed and given medicines and glasses for refractive errors. In all the camps, the patients advised with surgeries were summoned at HMC for operations.



### **Murad Eye Bank:**

Purpose of the Murad Eye Bank is to fight against the blindness through providing quality corneal services to the poor deserving patients. To do so Murad Eye Bank collects eyes from donors, within the country and international corneal donor organizations and to provide corneal tissues, operation and treatment facilities to patients of corneal morbidity.

Murad Eye Bank is having collaboration with Sri Lanka Eye Donation Society, to provide Corneal Graft to Murad Eye Bank. Keratoplasty charges are US \$ 600 includes cost of cornea, Transportation charges and logistics charges, which is very reasonable as compared to private eye banks that charges Pak rupees equivalent to more than US \$ 1000 for the corneal transplant. However some Government Organizations such as Tanzeem Lissail-e-wal Mahroom and Pakistan Bait ul Mal provides full financial support to the poor deserving patients. Lion's Club is also one of the private organizations that support poor patients of Keratoplasty.

In 2014, a total of 28 patients were registered and had successful cornea transplant.

### **Micro Surgical Training Center (MSTC):**

MSTC is now partially supported by FHF in the form of training of Ophthalmologists from Afghanistan. Gulbahar Lions Club, Peshawar also provides support in the form of medicine and IOL's. Salaries of the staff are supported by PICO. MSTC since its inception has trained 147 ophthalmologists (some of the ophthalmologists took more than one session). PICO and Gulbahar Lions Club hold free eye camps in various locations of District Peshawar. Patients with surgical requirements were referred to MSTC for surgical procedure. Total 292 different surgical procedures were done in MSTC during 2014, including cataract surgery & corneal transplants.

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### **3. Teaching & Training:**

#### **a. MPH (Community Eye Health):**

The Master in Public Health course is designed to prepare students to address the broad mission of public health in line with the aims, priorities and strategies of VISION 2020, The Right to Sight. . The purpose of training in community eye health is to reduce eye diseases, visual loss and disability in the community through a planned and strategic application of appropriate preventive and therapeutic measures, which are integrated into the delivery of health care at primary, secondary and tertiary levels. The MPH program endeavors to fulfill the needs and demands of Pakistan and other countries in educating and training of human resource in Public Health.

#### **TEACHING AND LEARNING**

##### **MPH (Community Eye Health)**

**TERM 1:** Started from January 2014—June 2014 included 20 teaching module and ended successfully at Mid Term exam which were held on 12/06 /2014. Students were assigned their new research projects which they have completed during the summer vacations started from mid of June to end of August 2014. In February 2014 clinical orientation session in field of ophthalmology conducted by Prof. Dr. Nasir Saeed & Dr. Sadiqullah. In previous session only ophthalmologists were allowed to take admission in the course but from the last two years graduates of vision sciences are also allowed to enter into the course thus providing them opportunities for higher studies. Another workshop on management and communication skills was conducted by Mr. Zia Khan (Public Administration & Communication)

In March 2014 Students conducted a small scale hospital based study on prevalence of Blindness and learn how to collect and compile Data . Students visited DMRC Charsadda which is the only near by eye health care center and also done a qualitative study by taking Interviews from staff and Patients. A four days session on Formulation of PC –1 and governments developmental process was conducted by Mr, Pervez Akhtar (Planning Expert) in which the students were oriented on different proforma of planning commission used for developmental projects and different tiers of the provincial government for processing and approval of developmental projects.

In May 2014 six days workshop on “Health System Research” was conducted by Prof. Dr. Tasleem Akhtar (Prof. / Amaratus Research KMU). Students were taught on all aspects of Operational Research in Health System to identify and solve problems different fields of health systems.



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**TERM 2:** Started from Sept. 2014 –dec.2014 included 11 modules which were carried out successfully In September 2014 a school study on VAD Disorders was conducted by students on children of a Junior school in Regi Lalma. The school students age 6 and below were screened for Vitamin A deficiency in order to find the prevalence of Vitamin A deficiency among the said age group of children.

The students visited LRBT Hospital Akora Khattak and examined the whole structure, organization and system of the hospital, taken the related figures and calculated the CSR and compared those figures and rates with a Public Sector Hospital and for this purpose visited THQ Hospital Pabbi .

Students visited provincial health services academy and learnt how different health care levels are involved in Health Care System in Pakistan. For the purpose of advocacy on media regarding good health in the community, Students visited Pakistan Broad Casting Corporation Peshawar and participated in a live talk on health promotion and conducted health messages especially on Prevention of health obesity.

Annual exam which usually takes place in first week of December was delayed due to non availability of Chief examiner Dr. Raja Para Segaram. The exam is now scheduled to be conducted from 17 Feb.—20 Feb 2015.



**TERM 3:** (List of students, Research Topic and Supervisors for Batch 2013-14) The students of senior batch i.e. 2013-2014 were allotted supervisors and research topics for their dissertations. The Dissertations were completed and checked by their respective Supervisors and sent to QEC Khyber Medical University for Anti Plagiarism clearance certificates and after getting through QEC clearance the dissertation will be rechecked and marked by examiners. Assignments on a Topic related to VISION 2020 are completed by students and these are now in a process of checking, after this final result will be announced by the University.

	Names	Dissertation Topics	Supervisors 2013
1	Dr. Sajjad Ahmad Khan	Rapid assessment for Trachoma in Distt.Nowshera	Dr.Zahid Jadoon
2	Mr. Faisal Nadeem		
3	Ms. Fozia Haleem		
4	Dr. Farhat Khanum		
5	Mr. Mohammad Ali	Situation analysis of Health Care services in Distt. Peshawar	Dr.Samina Naz
6	Mr. Sajjad Hussain	Prevalence of Myopia in Tehsil HALA distt. Matiari	
7	Ms. Shazia Gul	Preope V.A in Pts. Coming to Outpatient Department of HMC	
8	Mr. Hamid Ahmad		Dr.Sadiqullah
9	Mr. Naveed Iqbal		
10	Ms. Ihtraz Afzal		

## b. Bachelor of Vision Sciences

This program is of Four Years duration which is consisting of eight semesters. In 2014 total number of students were 160. From the 2nd Year, students join the clinical Department in the department of Ophthalmology Hayatabad Medical Complex as to learn practical work in the field of Vision Sciences. The objective of the course is to provide advanced training to the best of these graduates so that get specialization in their area of interest. These graduates will meet the needs / requirements of optometry in secondary and tertiary eye care institution.

All the courses activities are being conducted in four semesters which includes sessions of;

- Theory (augmented by practical demonstrations).
- Clinical placements at the clinical department of Ophthalmology, Hayatabad Medical Complex (HMC), Peshawar.

In the theoretical session learning is facilitated via classroom teaching, practical demonstrations and discussion. The entire course curriculum for the semester January to December 2014 was carried out successfully. Students fully utilized the Clinical Department of Ophthalmology HMC for practical training.

The involvement of Highly qualified faculty from KGMC has a very fruitful impact on the student's learning regarding basic medical sciences since start of this session with a very positive feed back by the students.

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In the 2nd year BVS, Ophthalmologists from the Department of Ophthalmology along with internal faculty teaches eye diseases aiming to enhance knowledge and skills.

To improve and maintain the quality of education the institute invites senior faculty from Department of Ophthalmology HMC to teach the 8th semester students in relevant fields.

A special training on Contact lens fitting techniques and hands on training of the students of final year was conducted by Mr. Ali Minto (Contact specialist). A two week module on research Methodology and epidemiology was conducted by Dr. Muhammad Zahid Jadoon (Epidemiologist). He also facilitated the students in their research dissertations which is the requirement of BVS degree Course. As the institute has only one Epidemiologist and is dealing with all the students of undergraduate and postgraduate courses. There is a need to train more people / enhance the capacity of the current faculty in research methodologies.

#### **BVS Examination**

Prior to conduct the final semester examination, midterm exam and internal assessments which is a full fledged exercise and requirement of KMU, was carried out by the faculty of undergraduate courses. The spring semester examinations of all the classes were conducted by the Khyber Medical University in 19 June to 07 July, 2014. This was followed by summer vacation, In September 2014 fall semester started. The fall semester examination was conducted in 12 December 2014 to 02 January 2015. The detail of number of students who appeared class wise given below;

#### **Spring Semester Examination June, 2014**

##### **1st year B. S Vision Sciences (1st semester)**

Total number of student appeared in 1<sup>st</sup> semester examination were 54 and 19 out of 54 were not promoted to the next semester.

##### **2<sup>nd</sup> year B. S Vision Sciences (3<sup>rd</sup> Semester)**

There were 49 students who appeared in the 2<sup>nd</sup> year examination and 03 out of 49 were not promoted to the next semester.

##### **3<sup>rd</sup> year B. S Vision Sciences (5<sup>th</sup> semester)**

There were 27 students who appeared in the said examination. All were promoted to the next semester.

##### **4<sup>th</sup> year B. S Vision Sciences (7<sup>th</sup> semester)**

There were 37 students who appeared in the examination. All were promoted to the 8<sup>th</sup> semester.

#### **Fall semester Examination 2014**

##### **1st year B. S Vision Sciences (2<sup>nd</sup> semester exam)**

Total number of student appeared in 2<sup>nd</sup> semester examination were 45 and their result is awaited.

##### **2<sup>nd</sup> year B. S Vision Sciences (4<sup>rd</sup> Semester Exam)**

There were 49 students who appeared in the 2<sup>nd</sup> year examination and their result is awaited



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### **3<sup>rd</sup> year B. S Vision Sciences (6<sup>th</sup> semester)**

There were 27 students who appeared in the said examination and their result is awaited

### **4<sup>th</sup> year B. S Vision Sciences (8<sup>th</sup> semester)**

There were 37 students who appeared in the examination and their result is awaited

### **Distribution of Medical Kit**

Ophthalmic Medical Kits were distributed among the 10 students of Ophthalmic Technician Course and the 20 students of BVS 2<sup>nd</sup> year and 3<sup>rd</sup> year each aiming to enhance their practical skills.

#### **Admission 2015:**

The admissions of BVS were finalized through entry test organized and conducted by National Testing Services (NTS). Applicants from Baluchistan and Gilgit Bultistan were exempted from entry test.

- Total number of students applied for the BVS Course: **206**
- Interview for Bachelor of Vision Sciences (BVS) were held on 12-13 November 2014.
- Number of Students appeared in the Test: **193**
- Number of Students appeared in Interview: **177**

Number of Students selected according to seat distribution given in Prospectus: **40**

#### **Intake in the year 2015**

- Number of students in BVS 1st year = 43
- Number of students in BVS 2nd year = 45
- Number of students in BVS 3rd year = 45
- Number of students in BVS 4th year = 27
- Total 175 graduates in BVS

The number of students given above indicates an increase in a number of admissions each year. Total of 175 Graduates trained until 2013 in BVS course (results of the annual exams 2014 still awaited)

### **c. Ophthalmic Technician Course**

This program is of Two Years duration and from the 2<sup>nd</sup> Year students join the Ophthalmology Department, Hayatabad Medical Complex.

#### **Intake in the year 2015**

- Ophthalmic Technician Course 1<sup>st</sup> year =09
- Ophthalmic Technician Course 2nd year=31

#### **Trained graduates till 2014**

- 395 Ophthalmic Technicians

All the courses activities are being conducted in sessions of;

- Theory (augmented by practical demonstrations).

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- Practical placements at the clinical department of Ophthalmology, Hayatabad Medical Complex (HMC), Peshawar.

#### **Examination of Ophthalmic Technician Course**

The examination of ophthalmic technician was conducted by medical Faculty as per practice. PICO has no role in the conduction of examination. The semester examinations were conducted in June and in December 2014. Total Number of students appeared in the examination were 31.

#### **Admission 2015**

OTC admission was finalized through interview by admission committee on 15<sup>th</sup> November 2014. Interview was held for OTC on 15<sup>st</sup> November 2014.

- Number of Students applied for the course **11**
- Number of Students from Government Service **02**
- Number of Students from Aid to Leprosy Patients Rawalpindi (ALP) **03**
- Number of Students appeared in Interview **11**
- Number of Students who not eligible for the course **01**
- Number of Students selected according to seat distribution given in Prospectus **13**
- Number of Students who did not join the course **04**

#### **Collaboration with National Vocational and Technical Training Council (NAVTTTC) for Ophthalmic Technician Course**

National Vocational and Technical Training Council (NAVTTTC) is Federal level organization located at Prime Minister Secretariat Islamabad. NAVTTTC supports 15 additional students of Ophthalmic Technician course at PICO for two years from 2014-2015. This program is in addition to the current ongoing diploma in Ophthalmic Technicians.

#### **d. F.Sc Ophthalmic Technology**

FSc Ophthalmic Technology two years course, affiliated with Board of Intermediate and Secondary Education Peshawar was started in year 2014. The purpose was to provide the students the opportunity to be able to get further education.

#### **Admission 2015**

FSc. Ophthalmic Technology admission was finalized through interview by admission committee on 17<sup>th</sup> July 2014. Interview was held for FSc. Ophthalmic Technology on 17<sup>th</sup> July 2014.

- Number of Students applied for the course **38**
- Number of Students appeared in Interview **23**
- Number of Students selected according to seat distribution given in Prospectus **14**
- Number of Students who did not join the course **02**

#### e. Short Courses

##### **Refresher Training Course for Trained Ophthalmic Technician:**

One week refresher course was organized for Ophthalmic Technician from 1<sup>st</sup> December to 6th December 2014. Total 16 Ophthalmic technicians participated.

##### **List of Faculty & Participants:**

S.No	Faculty	S.No	Participants	Work Place
1	Professor Dr. Nasir Saeed	1	Faridullah	Govt. Naseer Ullah Babar Memorial Hospital Kohat Road Peshawar
2	Ms. Samina Anwaar	2	Sajid Hussain	Govt. Naseer Ullah Babar Memorial Hospital Kohat Road Peshawar
3	Ms. Asma Yaqub	3	Samoon Bhatti	Mission Hospital Peshawar
4	Mr Siraj Khan Safi	4	Hayat Gul	Eye OT KTH Peshawar
5	Mr.Daud Jan	5	Naseerullah	Eye OPD KTH Peshawar
6	Ms. Nasira	6	Sajjad Khan	Molvi Gee Hospital Peshawar
7	Mr. Azmat Jehan	7	Abdul Aziz	Neuro Surgery Unit HMC Peshawar
8	Mr. Muhammad Fayyaz	8	Sheraz	Eye OPD HMC Peshawar
9	Ms Shazia Noreen	9	Amjed Ali	Eye OT HMC Peshawar
10	Mr. Samiuddin	10	Naib Ali	MSTC HMC Peshawar
		11	Muhammad Tariq	Police Services Hospital Peshawar
		12	Nowshad	AHQ Hospital Landikotal
		13	Fazli Malik	AHQ Hospital Ghalanai Mohmand Agency
		14	Tayyab Jan	AHQ Hospital Ghalanai Mohmand Agency
		15	Khalid Jan	Eye OPD LRH Peshawar
		16	Tariq Saeed	Eye OPD LRH Peshawar

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#### **f. International Examination and Certifications:**

##### **JCAHPO Certification Examination:**

The Joint Commission on Allied Health Personnel (JCAHPO) is planned to be held February 2015. Total 40 students have applied for the COA and COT certification.

##### **ICO Certification Examination:**

International Council of Ophthalmology Certification examination in Basic Sciences, Optics & Refraction and Clinical Sciences was held at PICO April 2014. FICO examination held at PICO October 2014. Total number of candidates for Basic Sciences were 13, Optics and Refraction 15, Clinical Sciences 11 & FICO 06.

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## **4.New Developments in PICO 2014**

In December 2014 a Team of PAKISTAN MEDICAL AND DENTAL COUNCIL visited PICO and they thoroughly assessed the teaching courses running by the institute and they confirmed that the institute meets all the expectations in all judgment areas as academics, Faculty Accreditation and Quality Assessment certification for all research projects of Trainees of MPH CEH Program. The team also registered and recognized the two new Teaching programs M Phil Vision Sciences and MPH ( General) which are going to be started in 2015.

### **MPH GENERAL**

PICO is going to start a new master Program in the the FALL session 2015.

#### **Program Duration, Credit Hours and Medium of Instruction**

In this year the program will commence from September and it will include 4 semesters.

The 1st semester will offer 8 modules, culminating in a total of 20 credit hours while the 2nd & 3rd semester will offer 7 modules each, culminating in a total of 17 credit hours each and the 4th semester will offer MPH Thesis of six credit hours culminating in a total of 6 credit hours. One credit hour is defined as one hour of contact teaching in a class room setting in a week for 16 weeks in a semester. A three credit hour course translates to three hours of teaching in a class room setting per week in a semester. The duration of one semester will include a total of 18 weeks that will be arranged as follows:

#### **M Phil Vision Sciences:**

PICO is now planning to initiate a two year M Phil program in Vision Sciences in the academic session 2015. The prime aim of M Phil Vision Sciences is to provide access to postgraduate education in a diverse range of specialties in Vision Sciences.

The key purpose of the M.Phil in Vision Sciences is to provide optometrists with up-to-date research-based clinical and theoretical knowledge of a wide range of fields, particularly in optometry care.

The Two Years M Phil in Vision Sciences Program has got affiliation of the Khyber Medical University. Total number of seats for M Phil Vision Sciences will be 10 in each session.

#### **Admission 2015-16:**

Admission were announce in four major national newspaper 2 in English and two in national language. 29 applications for M.Phil course 2015-16 sessions have been received. The admissions shall be finalized through NTS (National Testing Service) followed by interview at PICO.

#### **Physics & Chemistry Lab:**

Development of physics and chemistry lab for of FSc. Ophthalmic Technology.

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### **Up-gradation of IT facilities at PICO:**

In order to upgrade the IT facilities to bring at par with the latest technologies; following measures were taken:

- Up-gradation of internet speed.
- Development of M.Phil Vision Sciences computer lab in progress

### **Up-gradation of Raja Mumtaz Regional Learning Resource Centre (RLRC)**

RLRC has the subscription to the latest national and international journals. And all the leading journals related to ophthalmology and public health are available for its users. We also circulate a quarterly journal free of cost to the students, faculty members and to anyone on request i.e. journal of community eye health.

During 2014 E-Library has been established which provides online resources to its users as well. Members are served with the latest e-journals, e-books, e-research papers, e-full text thesis/dissertation etc. Now we have established electronic library in RLRC and also have access to HEC digital Library. We are downloading e-books, e-journals, e-dissertations from different online databases keeping in view the demands of the library users.

In the year 2014 E-Library also did automation of books and dissertation and having its own database where all Library materials are computerized for easy referral and access. Dissertations/thesis of ophthalmology and public health is also available in the library for consultation and reference purpose and are now automated in database. Audio Visual section includes CD ROM's, audiotapes, videotapes, slide sets, video cassettes with VCR, DVDs with player, CDs and other non book material available for reference. They cannot be issued to anyone.

RLRC has developed lockers during 2014 for its users and to keep the library material safe from chances of theft. The members of library put their personal belongings before entering the reading area of the library. 40 lockers are now available for the convenience of the users.



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## **5. Accreditation of Courses**

All the courses are running at PICO are accredited / affiliated with Medical Faculty (KPK), Khyber Medical University (KMU) & Pakistan Medical & Dental Council accordingly.

MSc. Community Ophthalmology course (01 year) was restructured for 02 years on the recommendation of KMU / HEC / PM&DC. This course was renamed as MPH Community Eye Health. PM&DC inspection team visited PICO for re-recognition of this course as MPH Community Eye Health dated: 21 November, 2014. The team included well known Ophthalmologists and public health specialists of Khyber Pakhtunkhwa. The team inspected PICO with the perspective of faculty, infrastructure and resources available for the course.

At the same time the team inspected PICO's ability to run a General MPH Course. The results have been announced in a National News Paper "Daily Mashriq" on dated: 27 December, 2014 and PICO has been recognized by PM&DC for both the courses. PICO is now in a process of applying for affiliation of the General MPH Course with KMU. It is aimed that the General MPH Course will be initiated from Fall Semester 2015.

PICO is initiating a new course of M. Phil Vision Sciences from 2015. The course has been affiliated with KMU and the admissions are in the process.

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## **6. Research**

Research department of PICO planned to conduct a RAAB DR Survey in district Nowshera, involving MPH CEH students, in 2014 but because of unavailability of funds it was delayed. This survey is now planned in a next year with the approval of budget from the Health Department of Khyber Pakhtunkhwa.

In alliance with a global action plan 2014-2019 PICO is planning to conduct more surveys (RAAB-DR) in various districts of Khyber Pakhtunkhwa. For this purpose proposals have been submitted to the Health Department Khyber Pakhtunkhwa.

### **PICO Evaluation Meeting:**

#### **PICO International Partners' Meeting 15th-16th February, 2014:**

All the partners of PICO were invited to a meeting with an objective to evaluate the human resource development programs of PICO in terms of their outcomes/ outputs and content of the course. The honorable Minister for Health, Khyber Pakhtunkhwa, Shoukat Ali Yousafzai was the Chief Guest of the occasion. All the important partners of PICO including Sightsavers, FHF, CBM, Chef International, Brien Holdens formerly called ICEE and Light for the World actively participated in the meeting.

All the partners unanimously agreed upon the need of evaluation of the courses by a qualified consultant. It was also agreed that the scope of evaluation may be enhanced from HRD programs only to all programs including the CEC program running at PICO. A time frame was chalked out which included hiring of consultant, data collection and report writing by the end of June 2014, a time where all partners plan their allocations for the next year. For the follow up of processes two focal persons one from FHF country office and other from PICO, were nominated and were assigned targets.

Unfortunately some of the processes took too long and the dead line for submission of the report was extended beyond 2014.