Department of IMMUNO-HAEMATOLOGY & TRANSFUSION MEDICINE is a new department at S.P. Medical College and PBM & AG Hospitals, Bikaner. Post Graduation course (M.D. Immuno-haematology and Blood transfusion) has been started in this department since academic year 2013-14 with annual intake of two PG seats per year.

**BLOOD BANK REPORT FROM 01.01.2015 TO 31.12.2015**

- **Name of Blood Bank:** PBM & A.G. of Hospitals, Bikaner
- **License no.:** RAJ - 2190
- **Working hours:** Round the clock - 365 days
  1. Whole Blood I.P.
  2. Packed RBC I.P.
  3. Fresh Frozen Plasma B.P.
  4. Platelet Concentrate (RDP) U.S.P.
  5. Apheresis (SDP)
  6. Therapeutic Plasma Exchange
- **Total Blood Collection:** 28021 Units
- **Voluntary Blood Collection:** 108 SDP
- **Replacement Blood Collection:** 26179 Units
- **VBD Camp Organized:** 1842 Units

**Facilities available:**
- Whole Blood I.P.
- Packed RBC I.P.
- Fresh Frozen Plasma B.P.
- Platelet Concentrate (RDP) U.S.P.
- Apheresis (SDP)
- Therapeutic Plasma Exchange

**Total Blood Collection:**
- 28021 Units
- 108 SDP

**Voluntary Blood Collection**
- 26179 Units

**Replacement Blood Collection**
- 1842 Units

**VBD Camp Organized**
- 73 Camps (6733 WB units)
  - HIV - 28129
  - HCV - 28129
  - HBV - 28129

**Number of test performed**
- HIV - 28129
- HCV - 28129
- HBV - 28129
- SYPHILIS - 28129
- MALARIA - 28129
- ABO Rh - 179552
- 1. HIV,
  - 2. HCV,
  - 3. HBV,
  - 4. SYPHILIS,
  - 5. MALARIA

**Mandatory testing for TTI’s:**
- 29601 Units (PRBC & Whole Blood)
- Platelet (RDP) - 5588
- Single Donor Platelet (SDP) - 108

**Components units supplied:**
- FFP - 7924 (total-11992 including 4068 units for fractionation)
- Plasma - 15095 (for fractionation)

**Details of Faculty Member**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Designation</th>
<th>Name</th>
<th>Qualifications</th>
<th>Permanent Address</th>
<th>Mobile Number</th>
<th>Email Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Professor (IH&amp;TM)</td>
<td>Dr. Dev Raj Arya</td>
<td>M.B.B.S., M.D.(Pathology)</td>
<td>H.No. 33, Rajvilas Colony, Bikaner PIN 334001</td>
<td>09414211998</td>
<td><a href="mailto:dr_raaj_arya@yahoo.com">dr_raaj_arya@yahoo.com</a></td>
</tr>
<tr>
<td></td>
<td>Name</td>
<td>Qualification</td>
<td>Address</td>
<td>Contact</td>
<td>Email</td>
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</tr>
<tr>
<td>2</td>
<td>Associate Professor (IH&amp;TM)</td>
<td>Dr. N.L. Mahawar</td>
<td>M.B.B.S., M.D.(Pathology) HOUSE NO-5, E-31 J.N.V. Colony, Bikaner</td>
<td>09414010989</td>
<td><a href="mailto:drnlmahawar786@gmail.com">drnlmahawar786@gmail.com</a></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Assistant Professor (IH&amp;TM)</td>
<td>Dr. Arun Bharti</td>
<td>M.B.B.S., M.D.(Pathology) Plot No. 13, Ambedkar Nagar, Imli Phatak, Jaipur PIN 302015</td>
<td>07742114444</td>
<td><a href="mailto:bhartiarun2959@gmail.com">bhartiarun2959@gmail.com</a></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Assistant Professor (IH&amp;TM)</td>
<td>Dr. Mamta Mehra</td>
<td>M.B.B.S., M.D.(Pathology) Gali No.6, Rampura Colony Lalgarh, Bikaner</td>
<td>09460617273</td>
<td><a href="mailto:drpn2408@gmail.com">drpn2408@gmail.com</a></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Senior Resident</td>
<td>Dr. Kunal Purohit</td>
<td>M.B.B.S., M.D.(Pathology) C-126, MDV Colony, Bikaner – 334001</td>
<td>09782024897</td>
<td><a href="mailto:purohit.kunal.09@gmail.com">purohit.kunal.09@gmail.com</a></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Senior Resident</td>
<td>Dr. Shaina Raheja</td>
<td>M.B.B.S., M.D.(Pathology) A-139, Sadul Ganj, Bikaner – 334003</td>
<td>08222924284</td>
<td><a href="mailto:shainaraheja@gmail.com">shainaraheja@gmail.com</a></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>JR – 3</td>
<td>Dr. Lokesh Sharma</td>
<td>M.B.B.S.</td>
<td>Nand Villa, Plot no. 254, 4B Road Sardarpura, Jodhpur</td>
<td>09828064099</td>
<td><a href="mailto:lokeshsharma04@gmail.com">lokeshsharma04@gmail.com</a></td>
</tr>
<tr>
<td>8</td>
<td>JR – 3</td>
<td>Dr. Sangeeta Kumari</td>
<td>M.B.B.S.</td>
<td>H.No. 27, Latif Garden, Assand road, Panipat</td>
<td>09549025540</td>
<td><a href="mailto:dr.sangeetapachar@gmail.com">dr.sangeetapachar@gmail.com</a></td>
</tr>
<tr>
<td>9</td>
<td>JR – 3</td>
<td>Dr. Pankaj kumar Das</td>
<td>M.B.B.S.</td>
<td>Village Sindri Basti, P.O.- Domgarh, Distt. Dhanbad, Jharkhand Pin- 828107</td>
<td>07073750351</td>
<td><a href="mailto:drpankajpmc@gmail.com">drpankajpmc@gmail.com</a></td>
</tr>
<tr>
<td>10</td>
<td>JR – 3</td>
<td>Dr. Rashi Pachaury</td>
<td>M.B.B.S.</td>
<td>38, Van Vihar Colony, Churu</td>
<td>09461109848</td>
<td><a href="mailto:pachaury.rashi@gmail.com">pachaury.rashi@gmail.com</a></td>
</tr>
<tr>
<td>11</td>
<td>JR – 2</td>
<td>Dr. Shailendra Vashistha</td>
<td>M.B.B.S.</td>
<td>C-193, Basant Vihar, Jhunjhunu (Rajasthan) Pin – 333001</td>
<td>09462253993</td>
<td><a href="mailto:shail.vashistha@gmail.com">shail.vashistha@gmail.com</a></td>
</tr>
<tr>
<td>12</td>
<td>JR – 2</td>
<td>Dr. Sonam Alha</td>
<td>M.B.B.S.</td>
<td>10/6, New Housing Board, Near</td>
<td>09413173577</td>
<td><a href="mailto:sonamalha1707@gmail.com">sonamalha1707@gmail.com</a></td>
</tr>
</tbody>
</table>
COURSE CONDUCTED

Post Graduation course (M.D. Immunohematology and Blood transfusion) has been started in this department form academic year 2013-14 with annual intake of two seats per year.

PUBLICATIONS FROM THE DEPARTMENT DURING LAST 3 YEARS

1. **Distribution of ABO blood group and Rh(D) factor in North India.**

   Authors: Dev Raj Arya, N.L.Mahawar, Rashi Pachaury.
   Indian Journal of Basic and Applied Medical Research 2015
   INDEXED IN INDEX COPERNICUS

2. **The Association and Relation of ABO Blood Group with the Breast Cancer at a Tertiary Care Hospital in Bikaner.**

   Authors: N.L.Mahawar, Arun Bharti, Lokesh Sharma.
   INDEXED IN THE COSMOS.

3. **Prevalence and Pattern of anemia among persons reported for blood donation at a tertiary care center in western part of Rajasthan.**

   Authors: Sangeeta Kumari, Dev Raj Arya, N.L.Mahawar et al
   INDEXED IN INDEX COPERNICUS.

4. **Screening of Blood Donors for Diabetes at a Tertiary Care Center in the Western Part of Rajasthan.**

Authors: Khajotia BL, Nag R, Arya DR, Yadav R, Sharma P, Sharma L.
International Journal of Medical Research Professionals. 2016; Vol. 2(2); 280-82.
INDEXED in INDEX MEDICUS.


Authors: Dev Raj Arya, N.L. Mahawar, Rashi Pachaury et al.
INDEXED IN THE EBSCO

**POSTER/ORAL PAPER PRESENTATIONS AT CONFERENCES DURING LAST 3 YEARS**

1. *Seroprevalence of Transfusion Transmitted Infections Among Blood Donors at a Tertiary Care Hospital Blood Bank in North India*:

At 40th Annual National Conference of ISBTI : Transcon-2015
*Red Cells to Stem Cells – The New Horizon* at New Delhi, India;
Authors: Dev Raj Arya, N.L. Mahawar, Arun Bharti, Lokesh Sharma (Speaker) et al.

2. *Study of Hepatitis B Core Antibody Detection In Healthy Blood Donors At A Tertiary Care Hospital In Western Part Of Rajasthan*:

At 4th Annual National Conference of ISTM : Transmedcon-2015, Kolkata, India;
4-6 December, 2015.
Authors: Dev Raj Arya, N.L. Mahawar, Archana Singh, Pankaj Kumar Das (Speaker) et al.

3. *Study of Rates and Reasons of Blood Donor Deferral at a Tertiary Care Centre in North India*:

At 2nd International Conclave on *Total Quality Management And Recent Trends in Transfusion Medicine* at Mumbai, India;
Authors: Shailendra Vashistha (Speaker), Dev Raj Arya, Arun Bharti et al.


At 41st Annual National Conference of ISBTI : Transcon-2016 at Pune, Maharashtra, India;
5. **Frequency and Distribution of ABO and RH Blood Groups Among Blood Donors In Western Rajasthan**:

At 41st Annual Conference of ISBTI: Transcon-2016 at Pune, Maharashtra, India; 26-28 August, 2016.
Authors: Sonam Alha (Speaker), N.L. Mahawar, Shailendra Vashistha.

**List of Equipment**

<table>
<thead>
<tr>
<th>S.No.</th>
<th>Item/ Make</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Fully automated Immuno-haematology Analyzer (SPRCA technique) for blood grouping, cross matching and antibody detection – 01</td>
</tr>
<tr>
<td>2</td>
<td>Apheresis machine – 01</td>
</tr>
<tr>
<td>3</td>
<td>Column Agglutination Technique (Gel card spin) for blood grouping, cross matching - 01</td>
</tr>
<tr>
<td>4</td>
<td>Platelet agitator cum incubator – 03</td>
</tr>
<tr>
<td>5</td>
<td>pH. Meter (table model) – 01</td>
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<tr>
<td>6</td>
<td>Coagulation Meter (Automated) – 01</td>
</tr>
<tr>
<td>7</td>
<td>Di-electric Tube Sealer (Portable) – 05</td>
</tr>
<tr>
<td>8</td>
<td>Di-electric heavy duty Blood Bag Tube sealer – 03</td>
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<tr>
<td>9</td>
<td>Fully Automated Component Separator (Buffy coat principle) – 01</td>
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<tr>
<td>10</td>
<td>Elisa Reader + Washer – 02</td>
</tr>
<tr>
<td>11</td>
<td>Laminar Air-flow Bench (Automation) – 01</td>
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<tr>
<td>12</td>
<td>Refrigerated Centrifuge machine – 02</td>
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<tr>
<td>13</td>
<td>Deep Freezers – 80 deg C – 04</td>
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<tr>
<td>14</td>
<td>Cell counters (CBC) (Fully automated Hematology analyzer) – 01</td>
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<tr>
<td>15</td>
<td>Blood Bank Refrigerator +04 Deg C – 05</td>
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<tr>
<td>16</td>
<td>Laboratory Centrifuge Machine – 03</td>
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<tr>
<td>17</td>
<td>Cryo Centri Fuge Machine – 01</td>
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<tr>
<td>18</td>
<td>Blood transport Van with Blood transportation Box (Fridge) –01</td>
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<tr>
<td>19</td>
<td>Donor coach (Chair type) with blood collection monitor – 05</td>
</tr>
<tr>
<td>20</td>
<td>TV Plasma 42 Inch with DVD Player – 02</td>
</tr>
<tr>
<td>21</td>
<td>Dry Incubator – 03</td>
</tr>
<tr>
<td>22</td>
<td>Vein Viewer – 04</td>
</tr>
<tr>
<td>23</td>
<td>Blood storage room (Walk in Cold room) 2 - 6 degree C – 02</td>
</tr>
<tr>
<td>24</td>
<td>Refrigerated Water Bath / Plasma Thawing Bath - 02</td>
</tr>
</tbody>
</table>