

Curriculum Vitae



Dr MANU GOYAL

Additional Professor, OBGYN, AIIMS, Jodhpur

Qualifications: MBBS, MD, DNB, FMAS, MRCOG-I

Current Designation: Additional Professor, Department of OBGYN, All India Institute of Medical Sciences (Jodhpur)

Date of joining the Institute: 27/04/2016

Date of joining the present post: 01/07/2022

Contact details:

Address: Flat No. 201, B block New Faculty Quarters, AIIMS Residential Complex, All India Institute of Medical Sciences (AIIMS), Basni Industrial Area, Jodhpur-342005

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Qualifications:

MBBS: Sardar Patel Medical College, Bikaner, Rajasthan (2000-2006)

MD OBGYN: All India Institute of Medical Sciences (AIIMS New Delhi, 2007-2009)

DNB OBGYN: NBE, New Delhi (June 2010)

Senior Resident: 3 years from AIIMS, New Delhi (2010-2013)

Senior Research Fellow: 4 months in CORONIS International Trial at AIIMS, New Delhi

Senior Research Associate: 2.8 years from AIIMS, New Delhi (2013-2016)

Assistant Professor: AIIMS Jodhpur (3.5 years from 27.04.2016 to 11.09.2019)

Associate Professor: AIIMS Jodhpur (3 years from 01.07.2019 to 30.06.2022)

Area of Research interest: Gynae-Endoscopy, Reproductive Medicine, Fetal Medicine

Awards and Achievements

- **Fellow of AMASI (FMAS)** awarded in August, 2018
- **WHI training** certificate in Minimally invasive Surgery in 2011 at AIIMS, New Delhi (7 days training program in Gynae- Endoscopy)
- **Certificate course** in Research Methodology organised by **American Thoracic Society (ATS)**, 15-20th January 2018
- **Best Research Fellow-** CORONIS (June 2013)
- **Best Competition paper-**31st Annual Conference of Obstetrics and Gynecologists of Delhi, New Delhi (AOGD national conference, 2009)
- **HONOURS- 3 subjects** (Microbiology, Pharmacology, Paediatrics)
- **Gold medal in MBBS: 4 subjects**
- **Merit certificate (top 0.1% students)** (CBSE-1997)
- **Scholarship** in senior secondary for securing in top 100 students in India

Member of Editorial board in Journal:

1. Assistant Editor of Journal of Pregnancy and Child Health.
2. Editorial member of International Journal of Advances in Gynecology and Obstetrics.
3. Editorial Member of Journal of Neonatal Biology.
4. Editorial board member of Journal of Gynecology and Obstetrics Forecast.

Co-Editor of Book: “Manual of Basic Laparoscopic Gynecological Surgery” released by Department of OBGYN on 12th April, 2019

Reviewer:

- Indian Heart Journal
- Journal of Gynecologic Surgery
- International Scholar Journal
- Asian Journal of Obstetrics and Gynecology
- Women’s Health and Gynecology
- International Journal of Fertility and Sterility
- Journal of Medical Case Reports

Member of Society/ Organisation:

1. Membership of Federation of Obstetricians and Gynecologists of India (**FOGSI**)
2. Fellow of **AMASI (FMAS)** awarded in August 2018
3. Member of AGESR
4. Member of Gynae-Endocrine Society of India (**GESI**)
5. Member of **ASPIRE**
6. Member of Indian Association of Gynae-Endoscopists (**IAGE**)

PUBLICATIONS:

- Total publications in national and international Indexed journals-75
- Pubmed Indexed: 67, Indexed in Google Scholar: 8
- Chapter in Books - 4

RESEARCH PROJECTS: 15

EXTRAMURAL PROJECT: ICMR project sanctioned by DHR under GIA scheme:
An observational study of vitamin D deficiency in pregnant Indian women and its association with gestational diabetes mellitus (As Principal Investigator)

As Principal Investigator (Funded): 3

1. Analysing cell free DNA (cfDNA) in benign and malignant ovarian tumor and its correlation with histopathological subtype of ovarian cancer
2. Utility of VEGF and PlGF in prediction of preeclampsia (Intramural Research Project)
3. To assess maternal serum Netrin-1 and procalcitonin and their association with preeclampsia in Indian women : A pilot study (Intramural Research Project)

Non Funded: 6

1. Effect of Covid-19 Pandemic on Maternal Health Due to Delay in Seeking Healthcare: An Experience from Tertiary Centre
2. Laparoscopy & BACTEC for genital tuberculosis.
3. Assessment of efficacy of various Local Anaesthetic modalities on Pain Relief during Endometrial Biopsy: a randomized control trial.
4. Study of procedure related complications and feto-maternal outcome in intrauterine transfusion and cordocentesis at tertiary centre
5. Maternal & fetal outcomes and multidisciplinary management of placenta accrete spectrum within a single tertiary centre
6. Comparison of routes of hysterectomy and correlation of pre-op endometrial biopsy with final histopathological report after hysterectomy: retrospective study

As Co-Investigator (Funded): 5

1. Diagnostic utility of various Immunohistochemistry markers with special emphasis on the role of novel marker PAX8 & PAX2 in primary & metastatic ovarian epithelial carcinoma. (Intramural project, AIIMS Jodhpur)
2. Role of circulating micro-RNA in benign and malignant ovarian tumor (Intramural project, AIIMS, Jodhpur)
3. In-vitro evaluation for pro-healing modifications of endothelial cells by Prosopis Cineraria, a locally available conventional promoter of wound healing (Intramural project, AIIMS Jodhpur)
4. Study of inflammatory infiltrate and HPV typing in patients with cutaneous and ano-genital warts (Intramural project, AIIMS Jodhpur)

5. Clinical and cytological profile of HPV genotypes distributed in patients with or without cervical lesions in a tertiary care centre from western Rajasthan (Intramural project, AIIMS Jodhpur)

Non –funded: 2 (Completed)

1. A pilot study of pre-diabetes and autoimmune thyroiditis in obese and non-obese polycystic ovarian syndrome (PCOS) women
2. Blood lead levels in preeclampsia

Research done earlier:

- MD Thesis (AIIMS, New Delhi): Prospective Randomized Comparison of TLH, LAVH & NDVH for treatment of Benign Diseases of the Uterus
- International Study of Cesarean Section Techniques (CORONIS, AIIMS, New Delhi)
- Effects of Vitamin D in PCOS (CSIR & AIIMS, New Delhi)
- Role of cervical pHIGFBP-1 in preterm labor (AIIMS, New Delhi)

EXAMINERSHIP-

Appointed as External Examiner and Internal examiner for UG and PDF courses:

1. UG External Examiner for MBBS Final Year Examination at Sardar Patel Medical College, Bikaner on 8th August 2020.
2. UG External Examiner for MBBS Final Year Examination at Sardar Patel Medical College, Bikaner on 4th-7th March 2022.
3. UG External Examiner for MBBS Final Year Examination (Suppl) at Sardar Patel Medical College, Bikaner on 1st July 2022.

POST-GRADUATE THESIS GUIDE:

Chief Guide: 4

1. A Comparative study for efficacy of intravenous iron sucrose and ferric carboxymaltose for treatment of iron deficiency anaemia in pregnancy
2. Subcuticular sutures versus staples for skin closure after caesarean section : A randomized controlled trial
3. Antepartum cerebroplacental ratio in low risk pregnancy and its relationship with adverse perinatal outcome- A prospective cohort study
4. Prediction of timing of ovulation & ovulation rate by baseline AMH in PCOS women undergoing ovulation induction

Co-guide: 10

1. A Randomized study of letrozole and clomiphene citrate for ovulation induction in anovulatory infertility in PCOS women
2. Comparison of vaginal vault closure by barbed suture and polyglactin in cases of laparoscopic hysterectomy

3. Comparison of negative Pressure dressing and standard dressing in laparotomy wound
4. Third trimester routine care versus USG guided primary care for identification of growth abnormalities in uncomplicated pregnancy- RCT
5. Effectiveness of prenatal lactation counselling on breastfeeding practices, breast engorgement and newborn feeding behaviour among postnatal mothers at a teaching institution
6. Comparison of IADPSG and NICE criteria for diagnosis of GDM
7. Comparison of haemoglobin concentration in neonates born to hypertensive mother with normal pregnant women
8. Diagnostic accuracy of HbA1C in diagnosis of gestational diabetes mellitus
9. HPV DNA testing in women with precancerous cervical lesions
10. Role of inflammatory markers in gestational diabetes mellitus

Services:

- Teaching MBBS, MD & SRs (Lectures, Demonstrations, Tutorials, Practical classes & Integrated teaching, UNCLE)
- Guiding MD thesis: Chief guide:4, Co-guide: 10
- Moderator for Journal clubs, seminars, drills in the department
- UG Teaching In-charge from the department
- Set theory papers & MCQs in Prof Examinations for MBBS, interns, MD Curriculum, SR Exam
- With support of Director Sir & HOD, Started Fetal Medicine & Obstetric USG, did first Amniocentesis, CVS & Intrauterine transfusion at AIIMS Jodhpur
- Clinical: OPD, IPD services, Labor room, Major Gyne-Obs surgeries, advanced laparoscopy
- Ward In-charge & USG in-charge in the department
- Member of IVF committee
- Member of Debating Society of AIIMS Jodhpur
- Practical Training of nursing staff for handling Obs-Gyne Emergency on 18.05.2022
- Organised workshop, CME on PCOS on 28.07.2019 at AIIMS, Jodhpur
- CGR presented on PCOS (7.12.2016), Prenatal invasive testing (31.10.2018)
- Morbidity meet presented on Eclampsia and delirium on 08.04.2022
- Judged the Extempore & debate competition in Annual Fest of the Institute.
- Involved in Student Mentorship Programme
- SOP development in the development
- Duties as assigned by Head of the Institute & HOD

PAPERS PUBLISHED IN INTERNATIONAL & NATIONAL JOURNALS:

1. Goyal M, Sharma S, Singh P, Shekhar S, Sharma P, Aparajita. Do the Early Pregnancy Serum Levels of VEGF & PlGF Predict the Onset of Preeclampsia: An Experience from a Tertiary Center. Ind J Clin Biochem. 2025 (3): doi.org/10.1007/s12291-025-01314-3.
2. Kumar D, Goyal M, Umme A. Sani, Singh P. Guillain Barré Syndrome in the First Trimester of Pregnancy after Tetanus Toxoid Immunization: A Rare Case Report and Review of Literature. Journal of Fetal Medicine 2025 (3): 10.1055/s-0045-1806784.

3. Bhandari S, Goyal M, Shekhar S, Singh P. Patient satisfaction after subcuticular sutures and metallic staples for skin closure in caesarean section: A randomized study at tertiary centre. *J Obstet Gynecol Ind* 2024. 10.1007/s13224-024-02040-1
4. Agrawal N, Singh P, Goyal M, Yadav G, Shekhar S. Superior hypogastric nerve plexus (SHNP) block for pain management after minimally invasive gynecology surgeries: A prospective randomized controlled trial. *Int J Gynecol Obstet* 2025; 168 (2): 605-612.
5. Shekhar S, Singh P, Vishnoi JR, Goel S, Pareek P, Sharma C, Goyal M, Yadav G, Jhirwal M, Soni S, Misra S. Upfront debulking surgery or delayed surgery after neoadjuvant chemotherapy for advanced-stage epithelial ovarian cancer: Comparison of survival from a noncancer center in India. *Indian J Cancer*. 2024 ;61(1):68-74. doi: 10.4103/ijc.IJC_1146_20. Epub 2023 Aug 7. PMID: 38090972.
6. Aashim Garg, Shashank Shekhar, Neeraj Gupta, Pratibha Singh, Manu Goyal, Manisha Jhirwal. Comparison of Umbilical Cord Milking Versus Delayed Cord clamping in Term Neonates: Randomised Control Study. April 2024. *Indian Journal of Public Health Research and Development* 15(2):207-212. DOI:10.37506/prtrmt69
7. Potaliya P, Nayak P, Goyal M. In-vitro wound healing assays: A comprehensive review. *Mymensingh Med J* 2024;33 (2): 613-625.
8. Bhandari S, Goyal M, Singh P. Successful surgical outcome for labial agglutination in a menstruating female: a case report and review of literature. *J Obstet Gynecol Ind* 2024: doi.org/10.1007/s13224-023-01932-y.
9. Bhandari S, Goyal M, Singh P. Male infertility: an overview of management. *Journal of Obstetrics Gynecology and Reproductive Sciences* 2024; 8 (3): doi:10.31579/2578-8965/205
10. Aparajita S, Goyal M, Singh P. Methods of labor analgesia. *Journal of Paediatrics, Obstetrics & Gynecology* 2023; 14(4): 118-122.
11. Bhandari S, Goyal M, Singh P. Induction & augmentation of labor. *Journal of Paediatrics, Obstetrics & Gynecology* 2023; 14(5): 135-142.
12. Roy D, Modi A, Purohit P, Khokhar M, Goyal M, Sharma S, Setia P, Facciorusso A, Sharma P. Growth Differentiation Factor-15 as a Candidate Biomarker in Gynecologic Malignancies: A Meta-analysis. *Cancer Invest*. 2022; 40(10):901-910.
13. Sharma M, Modi A, Goyal M, Sharma P, Purohit P. Anti-Thyroid Antibodies And The Gonadotrophins Profile (LH/FSH) In Euthyroid Polycystic Ovarian Syndrome Women. *Acta Endocrinol (Buchar)*. 2022 Jan-Mar;18(1):79-85. Doi: 10.4183/Aeb.2022.79. PMID: 35975253; PMCID: PMC9365406.
14. Grover M, Nag VL, Gadepalli R, Goyal M. Accepted in ASM microbe. HPV genotype distribution and its correlation with clinical and cytological findings in patients with or without cervical lesions in a tertiary care center. Sept 2021, *Ind J Med Microbiol* 2021; Sep ; 39:S125
15. Goyal M, Singh P, Singh K, Shekhar S, Agrawal N, Misra S. The effect of the COVID-19 pandemic on maternal health due to delay in seeking health care: Experience from a tertiary centre. *International Journal of Gynecology and Obstetrics*. 2021 ;152 (2):231-235
16. Goyal M, Shehata A, Shereen E, Ahmed A, Singh P, Melana N, Singh S. Cesarean myomectomy in the last ten years; A true shift from contraindication to indication: A systematic review and meta-analysis. *European Journal of Obstetrics & Gynecology and Reproductive Biology* 2021; 256:145-157.
17. Khushboo, Goyal M, Singh P. Hyperprolactinemia: A review article. *Journal of Paediatrics Obstetrics & Gynecology*. 2022; 13(1): 13-17.

18. Yadav N, Vyas H, Mamta, Goyal M. Effectiveness of prenatal lactation counselling on breastfeeding practices, breast engorgement and newborn feeding behaviour among postnatal mothers at a teaching institution. *J Family Med Prim Care*. 2022;11:1146-51
19. Bansal S, Goyal M, Sharma C, Shekhar S. Letrozole versus clomiphene citrate for ovulation induction in anovulatory women with PCOS: A randomized controlled trial. *International Journal of Gynecology and Obstetrics*. 2021; 152 (3): 345-350.
20. Manu Goyal, Pratibha Singh, Aparajita. Fetal procedures during COVID-19 pandemic: Challenges in a newly developing centre. *Journal of Obstetrics Gynecology and Reproductive Sciences* 2021. doi:10.31579/2578-8965/064.
21. Arunima Saini, Manu Goyal, Pratibha Singh. Uteroplacental apoplexy: An entity still not shelved in modern Obstetrics. *Journal of Paediatrics Obstetrics & Gynecology* 2021; 12 (6): 169-171.
22. Goyal M, Singh P, Melana N. Review of care and management of pregnant women during COVID-19 pandemic. *Taiwan J Obstet Gynecol* 2020; 59: 791-794.
23. Goyal M, Agrawal N, Singh P, Shafaq. Pregnancy with active Takayasu's arteritis: A medical challenge. *Journal of Gynecological Research & Obstetrics* 2021;6:81-83.
24. Singh P, Goyal M, Singh K, Misra S. COVID-19 and pregnancy: A review. *Ann Natl Acad Med Sci (India)* 2020;56 (3):183-188.
25. Goyal M, Sharma JB, Singh P, Agarwal N. Endometriosis: Current Trends in Management. *Clin Oncol*. 2020; 5: 1710-1713.
26. Khokar M, Dipayan R, Purvi P, Goyal M et al. Viricidal treatments for prevention of coronavirus infection. *Pathogens & Global Health* 2020; 114 (7): 349-359.
27. Agarwal N, Shekhar S, Goyal M, Singh P, Yadav T. Successful outcome in a rare case of live Post Term Ovarian Pregnancy. *Journal of Obstet Gynecol Res* 2020;46 (12): 2691-2695.
28. Shekhar S, Goyal S, Goyal M, Sharma C, Jhirwal M. Medium-Term Anatomical and Functional Results of Isolated Laparoscopic Sacrocolpopexy for Female Pelvic Organ Prolapse during the Early Learning Curve. *Journal of Obstetrics and Gynecology of India: August* 2021;71 (1): 91-94.
29. Goyal M, Agrawal N, Singh P, Shafaq. Pregnancy with active Takayasu's arteritis: A medical challenge. *Journal of Gynecological Research & Obstetrics* 2021;6:81-83.
30. Mathew P, Shkhar S, Jhirwal M, Goyal M, Singh P, Sharma C. Barbed suture versus polyglactin suture for laparoscopic closure of vaginal vault after total laparoscopic hysterectomy: A prospective observational comparison. *Journal of Gynecologic Surgery* 2021;27(5).
31. Soni S, Varshney V, Goyal M, Shekher S. Radical resection for duodenal carcinoma with isolated bilateral ovarian metastasis: a case report. *Int Surg J* 2019;6:4554-6.
32. Goyal M, Batra S, Singh P, Shekhar S, Elhence P. Swyer syndrome with heterotopic adrenal cortical tissue in streak gonads: A rare case and review of literature. *J Hum Reprod Sci* 2019;12:345-7.
33. Goyal M, Singh P. Endometriosis. *AOGD Bulletin* 2019 (Sept); Vol 19, Issue 5: 38-40.
34. Disha, Chambial S, Goyal M, Kumar PK, Ghosh R, Sharma P. Association of raised blood lead levels in pregnant women with preeclampsia: A study at tertiary centre. *Taiwan J Obstet Gynecol*. 2019; 58(1):60-63.
35. Singh P, Lath N, Shekhar S, Goyal M, Gothwal M, Yadav G, Khera P. Struma Ovarii: A report of three cases and literature review. *J Midlife Health*.2018; 9(4): 225-229.

36. Kriplani A, Goyal M, Kachhawa G, Mahey R, Kulshrestha V. Etiology and management of primary amenorrhoea: A study of 102 cases at tertiary centre. *Taiwan J Obstet Gynecol* 2017 (56): 761-4.
37. Goyal M, Dawood AS. Debates regarding lean patients with polycystic ovarian syndrome: A narrative review. *J Hum Reprod Sci.* 2017 Jul-Sep;10(3):154-161.
38. Sharma JB, Goyal M, Kumar S, Roy KK, Sharma E, Arora R. Concomitant female genital tuberculosis and endometriosis. *Indian J Tubercul.* 2017 Jul; 64(3):173-177.
39. Soliriya V, Goyal M, Kachhawaha CP. Perinatal Mortality and Umbilical Cord Parameters: Is there Any Association? *J Preg Child Health* 2017 (4); 4: 340. doi:10.4172/2376-127X.1000340
40. Sharma JB, Goyal M, Kumar S, Roy KK. Accidental fetal injuries during cesarean section deliveries. *J Ind Med Assoc.* 2017;115: 27-30.
41. Melana N, Ahmed N, Soni RK, Goyal M. Neurodevelopmental outcome in neonates with hypoglycemia and associated risk factors: A follow up study. *J Preg Child Health* 2017, 4:2 ;323. doi: 10.4172/2376-127X.1000323.
42. Garg N, Suthar N, Goyal M, Khuteta RP. Depression among infertile and fertile women at a tertiary centre: A comparative study. *IOSR- Journal of Dental and Medical Sciences.* Volume 16, Issue 5 Ver. III (May. 2017), PP 125-130
43. Goyal M, Kriplani A, Mahey R, Kachhawa G. Successful outcome in a rare case of large adrenal myelolipoma during pregnancy complicated by uterine inversion. *J Preg Child Health* (2016) 3:5. doi:10.4172/2376-127X.1000293.
44. Goyal M, Kriplani A, Mahey R, Kachhawa G, Yadav R, Singh G. Giant congenital melanocytic nevus presenting as huge vulvar mass: A rare case. *Taiwan J Obstet Gynecol.* 2017 (56): 109-11.
45. Goyal M, Kriplani A, Kachhawa G, Badiger S. Prediction of preterm labour by detection of pHIGFBP-1 in cervical secretions. *Int J Gynecol Obstet.* 2016 Aug;134(2):165-8.
46. Sharma JB, Goyal M. Cardiotocography and diabetic pregnancy. *J Pak Med Assoc.* 2016 Sep; 66 (9 Suppl 1): S30-3.
47. Mittal P, Goyal M. Pain relief during minor procedures: a challenge for gynaecologists. *Indian J Med Res* 142, October 2015, pp 366-368.
48. Sharma JB, Kumar S, Goyal M, Roy KK. Prevalence of incidental perihepatic adhesions at laparotomy in cases of ovarian cancer. *Int J Gynecol Obstet.* 2014(124),81.
49. Singh N, Goyal M, Malhotra N, Tiwari A, Badiger S. Predictive value of early serum beta-human chorionic gonadotropin for the successful outcome in women undergoing in vitro fertilization. *J Hum Reprod Sci* 2013;6: 245-7.
50. Agarwal N, Malik N, Goyal M, Kriplani A, Gamanaggatti S. Complication of femoral arterial thrombosis following failure of balloon tamponade and massive blood loss during hysterectomy in a case of abnormal placentation. *J Obstet Gynecol Ind.* 2016 Oct; 66(Suppl 2): 629-631.
51. Roy KK, Goyal M, Singla S, Sharma JB, Malhotra N, Kumar S. A prospective randomized study of total laparoscopic hysterectomy, laparoscopically assisted vaginal hysterectomy and non-descent vaginal hysterectomy for the treatment of benign diseases of uterus. *Arch Gynecol Obstet.* 2010 Dec; 284(4): 907-12.
52. Singh N, Goyal M, Roy KK, Kumar S. Successful outcome in a rare case of pregnancy with familial hypercholesterolemia and dilated cardiomyopathy. *J Obstet Gynecol Res.* 2013 Sep; 39(9):1415-8.
53. Roy KK, Baruah J, Singla S, Sharma JB, Singh N, Jain SK, Goyal M. A prospective randomised trial comparing the efficacy of letrozole and clomiphene citrate in

- induction of ovulation in polycystic ovarian syndrome. J Hum Reprod Sci. 2012. Jan;5(1):20-5.
54. Goyal M, Sharma JB. Complications of cesarean section- A review. Ind J Obstet Gynecol 2015; Vol. 5(3):18-21.
 55. Mittal P, Goyal M, Suri J. Had premarital counselling? Do not go altar without it. AOGD Bulletin May 2015; 15(1): 20-22.
 56. Goyal M, Sharma JB. Hypertensive emergencies during pregnancy. Ind J Obstet Gynecol. 2011; Vol.1 (2): 32-34.
 57. Goyal M, Singh N, Sharma J B, Kumar S. Prenatal diagnosis in conjoint twins. J Paed, Obstet Gynecol. 2013; Vol.4 (2):66-67.
 58. Goyal M, Roy KK, Sharma JB, Kumar S. Subchorionic hemorrhage in pregnancy with protein S deficiency as a complication of anticoagulant therapy. J Paed, Obstet Gynecol. 2013. Vol.4 (10): 356-7.
 59. Kachhawa G, Kumar S, Suri V, Goyal M. Sirenomelia in a fetus conceived after levonorgestrel emergency contraception failure: A case report and review of literature. Ind J Obstet Gynecol. Vol.1, No.1, 2013:37-41.
 60. Goyal M, Kumar S, Sharma JB. Primary Non-Hodgkin Lymphoma of the uterus masquerading as leiomyosarcoma: A rare case report. J Paed, Obstet Gynecol.2015 Vol.6 (1): 23-5.
 61. Goyal M, Sharma JB. Quadrivalent vaccine versus bivalent vaccine for HPV prevention, and use of long acting carbetocin in postpartum period. AOGD bulletin 2007 Oct issue, Vol 3.

Chapters in Books: 4

1. **Goyal M**, Kachhawa G, Kriplani A. Non contraceptive applications of hormonal contraceptives. World Clinics of Obstetrics & Gynecol.2013; Vol.3 (1): 114-125.
2. **Goyal M**, Sharma JB. Iron supplementation for prevention of iron deficiency anaemia in pregnancy. Anaemia in pregnancy. FOGSI Focus 2018.
3. **Goyal M**. Laparoscopic hysterectomy. Manual of Basic Laparoscopic Gynecological Surgery. 2019; 93-103.
4. **Goyal M**. Adnexal masses- How to manage laparoscopically? Manual of Basic Laparoscopic Gynecological Surgery. 2019; 86-92.

Workshops/ Conferences Organized: (2019-2022)

1. Organizing Secretary for CME on Newer concepts in management of PCOS. 28th July 2019, AIIMS Jodhpur
2. 3rd Training Course in Basic Laparoscopic Gynecology. 10-12th April 2019, AIIMS, Jodhpur. (Lecture, Video session, Live surgery demonstration, providing training to trainees on endo-suturing, and surgery on simulator and endotrainers).
3. CME on Fetal Medicine: 12th May 2019, AIIMS Jodhpur. Organised PG Quiz on Fetal Medicine
4. ReproMed Update 2019, 21-22 December 2019, AIIMS Jodhpur. Organized Workshop on Oocyte pick-up & Embryo transfer.
5. Member of Organising Committee: Workshop on VIA training of Medical Officers on 24th & 25th August 2020 at AIIMS Jodhpur.

6. Member of Organising Committee: Workshop on VIA training of Medical Officers on 24th & 25th February 2022 at AIIMS Jodhpur.
7. Practical Training of nursing staff on Handling Obstetric Emergencies on 18th May 2022 at AIIMS Jodhpur.

Conferences Organised: (2016-2019)

1. 30th Annual National Conference of Indian Association of Surgical Oncology (NATCON IASO 2016) 23-25th September 2016, Welcome Hotel, Jodhpur. (Compere/ anchor, hall organizer, Panelist)
2. 1st Training Course in Basic Laparoscopic Gynecology. 21-23 February 2017, AIIMS, Jodhpur. (Lecture, Video session, Live surgery demonstration and training the delegates)
3. 2nd Training Course in Basic Laparoscopic Gynecology. 6-8th March 2018, AIIMS, Jodhpur. (Lecture, Video session, Live surgery demonstration and training the delegates on endotrainer)
4. 3rd Training course in Basic Gyne- Laparoscopy on 10-12th April 2019 at AIIMS, Jodhpur
5. Workshop and training of Medical Officers on VIA for screening of cervical cancer. 18-19 February 2019.
6. Practical Training sessions of Nursing staff on Handling Bleeding Emergency. 17th October 2018.
7. Practical Training sessions of Nursing staff on Handling Hypertensive crisis. 3rd April 2019.

Conferences attended as Faculty: (2019-2022)

1. CME on Newer concepts in management of PCOS. 28th July 2019, AIIMS Jodhpur.
2. CME on Fetal Medicine: 12th May 2019, AIIMS Jodhpur. Organised PG Quiz on Fetal Medicine
3. AGESRCON 2019. 13-14th April 2019, Hotel Meenal residency, Kota
4. CME by ISAR Rajasthan chapter. 3rd August 2019, Hotel Taj Hari Mahal, Jodhpur
5. 7th National Conference on Medical Education. 3-5th November 2019, AIIMS, Jodhpur.
6. FERTIVISION 2019, 7-8th December 2019, Hotel Leela Ambience Gurugram, DELHI
7. RAJGYNAECON 2019. 14-15th December 2019. Thar Exotica Resort, Bikaner
8. ReproMed Update 2019, 21-22 December 2019, AIIMS Jodhpur
9. Quality improvement in maternal newborn care. 24th December 2019, AIIMS Jodhpur
10. AICOG 2020. 63rd All India Congress of Obstetricians & Gynecologists 2020. 29th Jan -2nd Feb 2020, Smriti Upvan, Lucknow.
11. Project Eagle Resident Excellence Program. 15th February 2020. Auditorium, Umaid hospital, Jodhpur

12. Workshop on Suicide prevention and safety planning: How we can help” by Department of Psychiatry, AIIMS Jodhpur on 11th October 2019.
13. Raj Endogyna Update on 5-6th September 2020
14. Webinar on Ovarian Stimulation on 18th July 2020 organised by IFS.
15. AOGD meeting on chronic ITP in pregnancy on 31st July 2020 by AIIMS, Delhi
16. Workshop on VIA training of Medical Officers on 24th & 25th August 2020 at AIIMS Jodhpur.
17. CME on Rh iso-immunization. 24th August 2020 (online)
18. ICOG Journal Club Gynecologic Oncology on 9th September 2020 (online)
19. Virtual Pilot workshop on Training of trainers to create a cadre of SEAR Master Trainers for Competency-based Pre-Service Medical Abortion Training on 6th & 7th January 2022.
20. Webinar on Complete Anatomy (Software) on 18th February 2022 at AIIMS Jodhpur.
21. Workshop on VIA training (ToT): 24th & 25th February 2022 at AIIMS Jodhpur
22. Endocrine Society of India Satellite Symposium-NORTH on 2nd & 3rd April, 2022 at AIIMS, Jodhpur.
23. Controversies in Obstetrics & Gynecology , National Conference by FOGSI on 24th -26th June 2022 at Hotel Clarks Amer, Jaipur.

Conferences attended as Faculty: (2016-2019)

1. ENDOFERT-2016 (Endoscopy and Fertility- Basic & Advanced), 5-8th August 2016, AIIMS, NEW DELHI.
2. 30th Annual National Conference of Indian Association of Surgical Oncology (NATCON IASO 2016) 23-25th September 2016, Welcome Hotel, Jodhpur.
3. AIIMS Jodhpur certified BLS course on 23rd July 2016, AIIMS, Jodhpur.
4. Basic training course in Intrauterine insemination technology, 4th September 2016: Preksha Hospital and IVF Research Centre, Jodhpur
5. NMOCON 2017: Annual National Conference of National Medicos Organisation. 10-12th February 2017, AIIMS, Jodhpur.
6. 1st Training Course in Basic Laparoscopic Gynecology. 21-23 February 2017, AIIMS, Jodhpur
7. ENDOCRAFT 2017 (Regional conference of Indian association of Gynecological Endoscopists IAGE on 29-30th July at Hotel Taj Hari Mahal, Jodhpur.
8. FERTVISION: 13th National conference of Indian Fertility Society, from 8-10th December 2017, Hotel Pullman Aerocity, New Delhi.
9. 2nd Training Course in Basic Laparoscopic Gynecology. 6-8th March 2018, AIIMS, Jodhpur
10. MECOR Level I course on Research Methodology held from 15-21st January 2018 at Bangaluru, conducted by American Thoracic Society, US: successfully completed the Level I course.
11. 56th AMASI Skill course and cleared FMAS Examination held at SN Medical College, Jodhpur from 10th to 12th August 2018.
12. NORTH ZONE ACBICON 2018 held from 7-8th April 2018 at AIIMS, Jodhpur.
13. West Zone YUVA FOGSI from 20-22nd July 2018 at Hotel Radisson Udaipur.
14. GOOD Clinical Practice CME from 4-5th August 2018 at AIIMS Jodhpur.
15. Robotic Surgery: Expanding Horizons” held on 29th & 30th November 2018 at AIIMS, Jodhpur
16. SONOFEST 2018 held from 7-9th September 2018 at Indana Hotel, Jodhpur.

17. Panel discussion on Management of Cancers during pregnancy in ISMPOCON 2018 held at Hotel Clark Amer, Jaipur from 16-18th November 2018
18. Training faculty (Hands on dry & wet Lab workshop) for delegates on endotrainers in conference in PESICON 2019 on 14th February 2019 at AIIMS, Jodhpur.
19. EBM course on Research Methodology for faculty held at AIIMS Jodhpur from 26th March to 4th April 2019.
20. SONOFEST 2019. 5-7th April 2019, Hotel Indana, Jodhpur
21. 3rd Training Course in Basic Laparoscopic Gynecology. 10-12th April 2019, AIIMS, Jodhpur

Achievements:

After appointment at AIIMS Jodhpur, I have been constantly motivated and encouraged by HOD and Director Sir to do good clinical, research and academic work.

I got Extramural project approval from ICMR under DHR-GIA with able guidance of HOD & support of Director Sir.

I started Fetal Medicine skilled procedure Intrauterine transfusion (IUT) and CVS, amniocentesis at AIIMS Jodhpur for the first time in public sector in Rajasthan with all the support from HOD & Head of the Institute.

I have been invited as Chairperson, Panelist and faculty in conferences at National and State level.

I was invited as Examiner for Final year MBBS exams at SP Medical College Bikaner in August 2020.

I have been given the responsibility of wards and Undergraduate teaching roster by HOD under her guidance and supervision.

I keep my professional knowledge updated with good aptitude towards clinical research. I have got ten articles published in indexed journals with high impact factor during the year 2020-21.

I have been constantly and actively involved in undergraduate and postgraduate teaching (including online) and training of SRs, PGs, interns.

Providing high quality care to patients both in OPD & IPD. Performing advanced gynecological laparoscopic & complicated Obstetric surgeries independently.

Active contribution in improving gynecological and obstetric care of patients at AIIMS, Jodhpur under guidance of HOD by fulfilling the duties assigned.