

Doctors at Cloudnine successfully perform a rare fetal procedure for the first time in Gurgaon



Haryana, Gurgaon, Feb 24, 2021 ([Issuewire.com](https://www.issuewire.com)) - City-based Cloudnine Hospital had successfully delivered the fetus that received Gurgaon's first-ever vesico-amniotic shunt insertion. The vesico-amniotic shunt insertion procedure was done on the fetus at 25 weeks of gestation by Dr. Shreyasi Sharma, Fetal Medicine Consultant at Cloudnine Hospital, Sector 47, Gurgaon. After 12 weeks since the procedure, the pregnant mother had delivered the baby without any complications. A multidisciplinary team involving doctors across Fetal Medicine, Obstetrics & Gynecology, and Pediatrics & Neonatology specialties coordinated for realizing this successful outcome.

In this intervention involving the insertion of a vesico-amniotic shunt, the fetal medicine specialist directly operated on the unborn fetus in the mother's womb. A vesico-amniotic shunt is a tube that is inserted into the unborn baby's urinary bladder and drains the baby's urine directly into the pregnancy sac containing the amniotic fluid. This procedure was necessitated as the baby had a condition called lower urinary tract obstruction where the baby is unable to pass urine because of obstruction in the urinary system (at urethra). In this condition, urine gets accumulated in the urinary bladder resulting in kidney damage. Not proceeding with the intervention would have resulted in serious and irreversible kidney damage.

The diagnosis of lower urinary tract obstruction in the fetus was first made at 24 weeks (6 months) of pregnancy. In the follow-up scans, further deterioration was observed as the urine was leaking into the baby's abdomen. To avoid any fatal outcome, Dr. Shreyasi Sharma immediately performed the vesico-

amniotic shunt insertion at 25 weeks of pregnancy.

Explaining the procedure that culminated in a successful pregnancy, Dr. Shreyasi Sharma, the operating physician, has commented, “To put it plainly, the procedure involved the insertion of a small pipe between the bladder of the unborn fetus and the pregnancy sac so that any excess fluid accumulation in the bladder gets drained into the pregnancy sac. This helps in decompressing the urinary bladder. Unlike open surgery, the procedure is technically challenging as a small structure has to be precisely placed in the right position and orientation under ultrasound guidance only, while the fetus continues to be in the mother’s womb.”

Commenting on the procedure, Dr. Pallavi Vasal, Consulting Obstetrician has said, “Since the conclusion of the vesico-amniotic shunt insertion, there was a remarkable improvement in all vital parameters of the pregnancy with normal fetal growth. The delivery has been smooth and uneventful. Currently, the mother and the child are under constant observation and have been doing well.”

Outlining the further course of action, Dr. Sanjay Wazir, Director – Paediatrics & Neonatology at Clounine Hospital, said “The baby will undergo surgery in a few days to correct the obstruction and the shunt will also be removed as part of the surgery.”

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About Fetal Medicine

Fetal Medicine is a well-recognized specialization in the West, rapidly gaining acceptance with few practitioners in India. The advances in fetal medicine and its growing practice in India ensure that critical and care-intensive high-risk pregnancies can now be managed locally. Cloudnine Hospital, with its intense focus on providing the best-in-class medical care to expecting mothers in Gurgaon, is fast emerging as the one-stop solution for critical fetal needs & high-risk pregnancy care through its dedicated Fetal Medicine department backed by state-of-the-art Neonatal Intensive Care Unit (NICU).

About Cloudnine

Set up in 2007 by the renowned neonatologist Dr. R. Kishore Kumar, in partnership with investing partners Matrix Partners, Sequoia Capital, and True North, Cloudnine is India’s premier destination for comprehensive maternal, gynecological, neonatal, and pediatric care. The organization’s vision is to effectively bridge the gap between Indian and international standards through a combination of clinical excellence, comprehensive care, and an atmosphere of well-being, to ensure world-class standards in woman and child healthcare. With its presence across 8 cities, 16 centers & having delivered 1,00,000+

babies across the country since inception, Cloudnine has emerged as a pioneer in managing pregnancy from conception to delivery.



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