Table 3: Comparison of fetal echocardiographic findings and postnatal catheter angiography/ operation findings of live-born cases

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Source of pulmonary blood flow | | Number and origin of MAPCAs | | MPA | | Confluence of PA | | RPA/LPA | | Postnatal outcome |
|  | Fetal | PN | Fetal | PN | Fetal | PN | Fetal | PN | Fetal | PN |  |
| 1. | Double | MAPCA | 3/ Descending aorta | 4/ Descending + arcus aorta | - | - | +\* | - | +\*/+\* | -/- | Stepped surgery Complete cardiac repair, alive |
| 2. | Double | Double | 1/ Descending aorta | 3/ Descending aorta | + | + | + | + | +/+ | +/+ | Mortality secondary to pulmonary infection, after closure of MAPCAs and placement of ductal stent |
| 3. | MAPCA | MAPCA | 1/ Descending aorta | 3/ Descending aorta | + | + | + | + | +/+ | +/+ | Stepped surgery, complete cardiac repair, alive |
| 4. | Double | Double | 1/ Coronary artery | 1/ Coronary artery | - | - | - | - | +/+ | +/+ | Stepped surgery, scheduled for total repair, alive |
| 5. | DA | DA | 0 | 0 | + | + | + | + | +/+ | +/+ | Mortality without any surgery (Tr13) |
| 6. | DA | DA | 0 | 0 | + | + | + | + | +/+ | +/+ | Stepped surgery, complete cardiac repair, alive |
| 7. | MAPCAs | MAPCA | 2/ Descending aorta | 2/ Descending aorta | - | - | - | - | -/- | -/- | Mortality without any surgery (Tr18, MCDK) |
| 8. | Double | MAPCA | 2/ Descending aorta | 3/ Descending aorta +arcus aorta | + | - | + | + | +/+ | +/+ | Postoperative mortality after first stage |
| 9. | MAPCAs | MAPCA | 3/ Descending aorta | 3/ Descending aorta | - | + | - | + | -/- | +\*/+\* | Stepped surgery, complete cardiac repair, alive |
| 10. | MAPCAs | MAPCA | 4/ Descending aorta | 4/ Descending aorta | - | - | - | + | -/- | +\*/+\* | Postoperative mortality after total repair |
| 11. | DA | DA | 0 | 0 | +\* | + | + | + | +/+ | +/+ | Postoperative mortality (Di George- secondary to sepsis) |
| 12. | MAPCA | MAPCA | 2/ Descending aorta | 4/ Descending aorta | - | - | - | - | -/- | -/- | Mortality without surgery (acute heart failure) |
| 13. | DA | DA | 0 | 0 | + | + | + | + | +/+ | +/+ | Mortality without surgery (giant omphalocele) |
| 14. | DA | DA | 0 | 0 | + | + | + | + | +/+ | +/+ | Mortality without surgery (Anal atresia, sepsis) |
| 15. | DA | DA | 0 | 0 | + | + | + | + | +/+ | +/+ | Postoperative mortality after first stage (DWM) |
| 16. | DA | DA | 0 | 0 | + | - | + | + | +/+\* | +/+\* | Mortality without surgery |
| 17. | DA | DA | 0 | 0 | + | + | + | + | +/+ | +/+ | Stepped surgery, scheduled for total repair, alive |
| PN: postnatal, DA: ductus arteriosus, NPM: not possible to measure, SPS: temporary paliative systemic to pulmonary shunt with or without unifocalization, RPA: right pulmonary artery, LPA: left pulmonary artery, MCDK: multicystic dyplastic kidneys, DWM: Dandy Walker malformation, \* severely hypoplastic, not possible to measure | | | | | | | | | | | | |