"Six pigs underwent implantation of a portal vein infusion port by transjugular access. The technical success rate was 100% (n = 6), with no surgical complications or deaths" Wang et al (2020).

Abstract:
Six pigs underwent implantation of a portal vein infusion port by transjugular access. The technical success rate was 100% (n = 6), with no surgical complications or deaths. At 1 month after implantation, the catheter tip had moved from the splenic vein to the main portal vein, while the catheter protruded into the right ventricle through the right atrium in all cases. Hence, the infusion port system has not been used in clinical practice due to its obvious displacement after implantation. However, this study provides a new idea for future exploration of portal vein infusion pathways.

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