

Phosphorylcholine (abbreviated ChoP) is the hydrophilic polar head group of some phospholipids, which is composed of a negatively charged phosphate bonded to a small, positively charged [choline](#) group.

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[Pipeline](#) device with [Phosphorylcholine](#) surface treatment (Pipeline Shield) could mitigate device material related [thromboembolic](#) complications <sup>1)</sup>.

<sup>1)</sup>

Girdhar G, Ubl S, Jahanbekam R, Thinamany S, Belu A, Wainwright J, Wolf MF. Thrombogenicity assessment of Pipeline, Pipeline Shield, Derivo and P64 flow diverters in an in vitro pulsatile flow human blood loop model. eNeurologicalSci. 2019 Jan 8;14:77-84. doi: 10.1016/j.ensci.2019.01.004. eCollection 2019 Mar. PubMed PMID: 30723811; PubMed Central PMCID: PMC6350389.

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