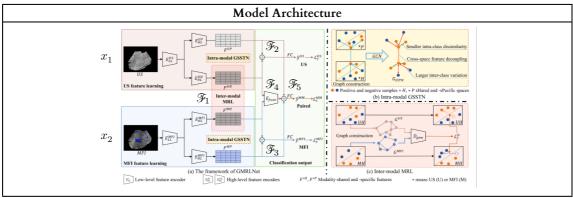# 18 GMRLNet: A graph–based manifold regularization learning framework for placental insufficiency diagnosis on incomplete multimodal ultrasound data [18]

Model Architecture

Fusion Formulas		
$\mathcal{F}_1 = \rightleftharpoons(x_1^{121}, x_2^{121})$	$\mathcal{F}_2 = \oplus(\mathcal{F}_1^7, x_1^{124})_\rightarrow$	$\mathcal{F}_3 = \oplus(\mathcal{F}_1^7, x_2^{124})_\rightarrow$
$\mathcal{F}_4 = \oplus(\mathcal{F}_1^7, \mathcal{F}_1^7)$	$\mathcal{F}_5 = \oplus(\mathcal{F}_4^2, x_1^{124}, x_2^{124})_\rightarrow$	

Fusion Graph Representation	Fusion Analysis	
	How Many: Single or Multiple?	Multiple, 5
	Number of Fusion Flows	1
	Multiple Type Sudden, Gradual or Multi-Flow?	Sudden
	|Sudden| Synchro?	Yes