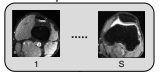An MRI sequence with **S** slices

(feed to ELNet)

BlurPool
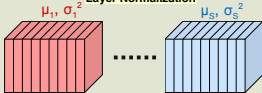
2D Convolution

Normalization

ReLU Activation
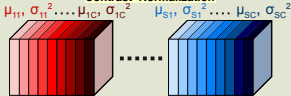
(a)

Layer Normalization

μ_1, σ_1^2 ... μ_S, σ_S^2

(b)

Contrast Normalization

$\mu_{11}, \sigma_{11}^2 ... \mu_{1C}, \sigma_{1C}^2$ ... $\mu_{S1}, \sigma_{S1}^2 ... \mu_{SC}, \sigma_{SC}^2$

(c)

1	3	5	2
4	7	0	6
3	1	8	9
4	3	4	6

Input: **X**

$*$

Filter (B=3)

Conv2D

3.8	4.1	7.5
3.6	5.1	9.3
8.4	2.7	3.5

Blur(**X**)

Pooling

3.8	7.5
8.4	3.5

BlurPool(**X**)

(d)