

**Membrane type 1-matrix metalloproteinase induces
epithelial-to-mesenchymal transition in esophageal squamous cell
carcinoma: Observations from clinical and *in vitro* analyses**

Lijuan Pang^{1#}, Qiuxiang Li¹, Shugang Li², Jianwei He³, Weiwei Cao¹, Jiaojiao Lan¹,
Bin Sun⁴, Hong Zou¹, Chengyan Wang¹, Ruixue Liu¹, Cuilei Wei¹, Yutao Wei⁵, Yan
Qi¹, Jianming Hu¹, Weihua Liang¹, Wen Jie Zhang¹, Mei Wan⁶, Feng Li^{1*}

¹Department of Pathology and Key Laboratory of Xinjiang Endemic and Ethnic Diseases (Ministry of Education), Shihezi University School of Medicine, Shihezi 832002, Xinjiang, China

²Department of Public Health, Medical School, Shihezi University School of Medicine, Shihezi 832002, Xinjiang, China

³Department of Clinical Laboratory, First Affiliated Hospital to Shihezi University School of Medicine, Shihezi 832008, Xinjiang, China

⁴Department of Stomatology, First Affiliated Hospital to Shihezi University School of Medicine, Shihezi 832008, Xinjiang, China

⁵Department of Thoracic and Cardiovascular Surgery, First Affiliated Hospital to Shihezi University School of Medicine, Shihezi 832008, Xinjiang, China.

⁶Department of Orthopedic Surgery, Johns Hopkins University School of Medicine, Baltimore, MD 21205, USA

First author: Dr. Lijuan Pang, M.D, Ph.D E-mail: ocean123456@163.com

* **Corresponding author: Dr. Feng Li, M.D, Ph.D** Department of Pathology and Key Laboratory of Xinjiang Endemic and Ethnic Diseases (Ministry of Education), Shihezi University School of Medicine (E-mail: lifeng7855@126.com)

Supplement Table S3. Correlation between the expression of E-CAD protein and Snail, Slug Proteins in ESCC.

Table S3

E-CAD	Snail			Slug		
	-	+	2+/3+	-	+	2+/3+
-	1	2	20	1	1	21
+	4	37	15	14	22	20
2+/3+	8	1	0	8	1	0
	r=-0.648 P<0.001			r=-0.594 P<0.001		

P-values ≤ 0.05 are in bold.