


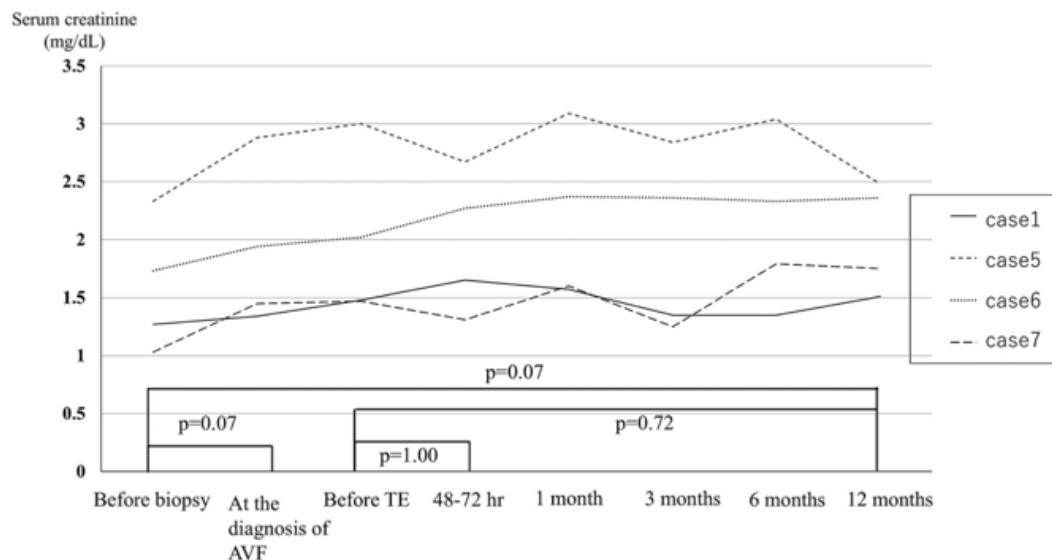
# Arteriovenous fistulas after ultrasound-guided needle biopsy of kidney allografts and treatment outcomes after transcatheter embolization: A single-center experience in Japan

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 Clinical and Experimental Nephrology (2020) 24:963–970

Allograft biopsy  
 2010-2016@St. Marianna  
 16G biopsy gun  
 (N=270 in 129 recipients)

Post-biopsy AVF  
 N=7 (2.6%)

IVR  
 N=7 (100%)



Case no.	Indication for TE	Double Shunt*	Contrast-medium volume (ml)	CIN prophylaxis	Infarction area (%)
1	Gross hematuria bladder tamponade	Yes	85	No	3.5
2	Gross hematuria hemorrhagic shock	No	90	No	7.8
3	Gross hematuria bladder tamponade	Yes	89	No	6.6
4	Gross hematuria anemia progression	No	64	No	27.2
5	Bruit WAF non-spontaneous closure	No	unknown	Yes	12.0
6	Bruit WAF non-spontaneous closure	Yes	7.8	Yes	29.5
7	WAF	Yes	10.4	Yes	10.4

## Conclusion:

Super-selective transcatheter embolization is a safe and immediate treatment for not only symptomatic, but also asymptomatic AVFs.