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서울K내과, K-영상클리닉, 호두까기증후군연구소팀,  
호두까기증후군의 빈도와 Type에 관한 연구결과를  
Korean Journal of Radiology에 발표

## Letter to the Editor

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## Nutcracker Phenomenon and Syndrome May Be More Prevalent Than Previously Thought

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NCS, respectively, and the results were presented at the 2020 Annual Congress of the Korean Society of Ultrasound in Medicine [4]. Although the results were from a single kidney-specialty referral clinic, they suggest that NCP and NCS may not be rare conditions.

In the same kidney-specialty referral clinic, we further investigated the NCP and NCS and enrolled 1475 patients. The demographic, clinical, and Doppler US characteristics of the patients are summarized in Table 1. There were 715 patients with NCP and 760 with NCS. Both NCP and NCS

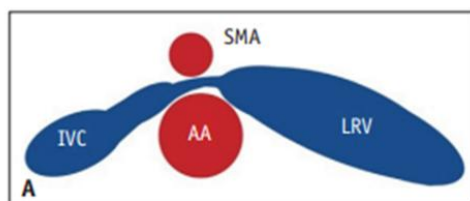


Fig. 1. Type 1 NCP.

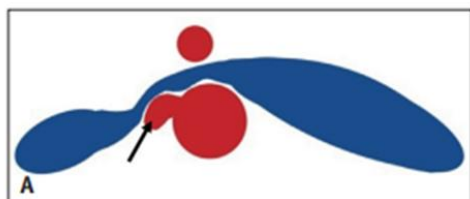
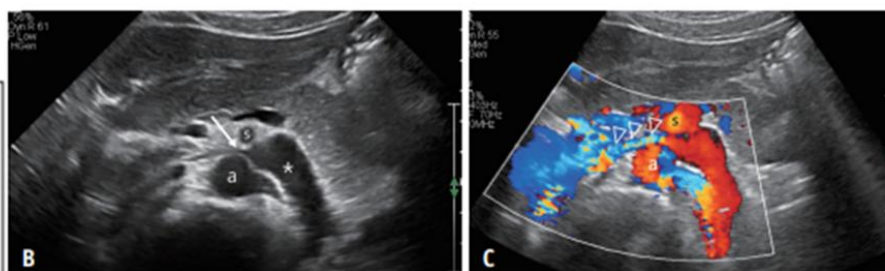


Fig. 2. Type 2 nutcracker phenomenon.

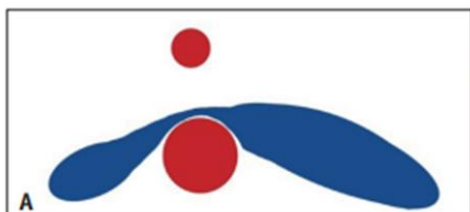
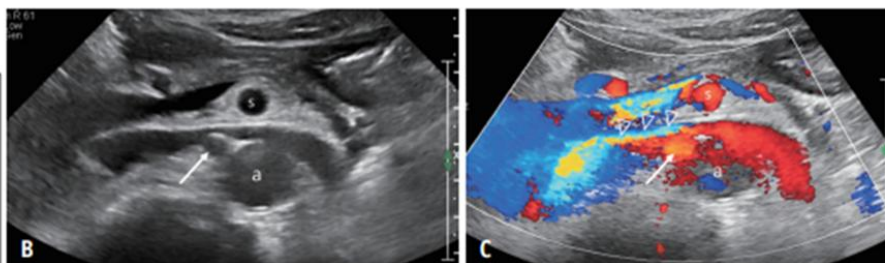


Fig. 3. Type 3 nutcracker phenomenon.

