シンポジウム2

My Experiences with Catheter Treatment for Sinusitis —From YAMIK to ENT-DIB—

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Introduction

In 1991, Prof. VS Kozlov presented a paper about the YAMIK sinus catheter (Figure 1) treatment to Japanese doctors at the 10th ISIAN congress in Tokyo. The acronym YAMIK was derived from Yaloslavl (the name of the City in which they live) and the professor's names, Markov and Kozlov. My colleagues (include late Prof Emeritus Tadami Kumazawa, who sent me to Yaloslavl, Russia, in the terrible winter season), and I also participated at the conference. We learned how to use the catheter and decided to start using it

Figure 1 YAMIK sinus catheter Type 3

Figure 2 ENT-DIB sinus catheter

in Japan. For a while, we used the catheter to treat patients with sinusitis, but it could not be used in Japan because of changes in legal regulations in 2002. In 2014, the Tsukada Medical Research Co., Ltd. provided a similar catheter made by silicon, which name is ENT-DIB sinus catheter, at the City of Ueda, Nagano Prefecture (Figure 2). I would like to show my experiences with ENT-DIB sinus catheter treatment for patients with sinusitis.

Method

I compared the subjective symptoms of patients with acute and chronic sinusitis using the YAMIK Sinus Catheter with ENT-DIB treatment. Fig. 3 showed how to use the ENT-DIB sinus catheter (Figure 3 and 4, permitted from DIB international Co., Ltd).

Results

I have performed over 300 cases of ENT-DIB sinus catheter treatment for patients with sinusitis, which could replace the use of YAMIK sinus catheter in almost all clinical cases, especially in pregnant and lactating women. 194 patients (70 males and 124 females) underwent catheter treatment for a total of 591 times from 2015 May to 2019 Sept. The patients were 149 cases of acute sinus infection, 37 cases of chronic sinusitis, 8 cases of the after sinus surgery cases. Among these cases, 11 patients were during pregnancy, 18 patients were breast feeding. 5 cases were drug resistant patients. I had 8 cases of complication, 4 cases were troubles in inserting the catheter and 4 cases of hemorrhage occurred during procedure due to anticoagulant usage.

Figure 3 The procedures of the ENT-DIB sinus catheter

Figure 4 The procedures of the ENT-DIB sinus catheter

Conclusion

- 1) I presented the history of recent catheter treatments for sinusitis in Japan.
- 2) I showed the clinical cases of catheter treatment for

sinusitis using the ENT-DIB catheter made by Japanese companies.

- 3) The ENT-DIB catheter is one of the most useful devices for treatment of patients with acute and chronic sinusitis.