

Department of Invasive cardiology Zajecar - first results and experiences

¹Vladimir Mitov, ²Milan Nedeljković, ³Zoran Perišić, ¹Aleksandar Jolić, ¹Dragana Adamović,
¹Marko Dimitrijević, ¹Milan Nikolić, ³Tomislav Kostić, ³Nenad Božinović, ³Milan Živković,
³Miodrag Damjanović

¹Department of Invasive Cardiology, Medical Center Zaječar, ²Clinic of Cardiology Clinical Center of Serbia, Belgrade, ³Clinic of Cardiology, Clinical Center Niš

Background: The aim of this paper is presentation of the first results of Zajecar invasive cardiology during the period of March 2014 to august 2015.

Material and methods: During this period we had 609 procedures, there were 389 (63,87%) males, and 220 (36,13%) females, the average age was 63,99±9,22 years. There were 477 (78,32%) diagnostic procedures and 132 (21,68%) interventions (PCI). Femoral approach was used in 549 pts (90,14%), and radial in 60 pts (9,86%), since the introduction of radial approach it was used in 64,28% pts.

Results: The largest number of pts undertook the procedure due to stable CAD 249 (40,89%), 181 (29,72%) due to suffered MI and 179 (29,39%) due to suffered other forms of ACS. The largest number of examined pts were from Zajecar 401 (65,84%), from Knazevac 64 (10,52%), Bor 52 (8,55%), Kladovo 30 (4,92%), Negotin 42 (6,89%) and Majdanpek 20 (3,28%). Based on the findings, the continuation of optimal medical therapy was indicated in 200 pts (41,92%), of which 140 pts had a normal coronary angiogram, and in 60 pts the angiogram was such that no interventional or surgical therapy was needed. PCI was indicated in 160 (33,56%) pts, out of which 132 (82,50%) had the PCI done in our facility, and 28 (17,50%) were sent to Invasive cardiology of Clinical Center Nis. 117 (24,52%) were indicated for cardio surgery procedures. In 132 pts which had PCI, 141 stents were used, out of which 58 (41,14%) DES and 83 (58,86%) BMS. The largest number of PCI 59 (44,69%) were done in the LAD artery, slightly less in the RCA 49 (37,13%), and the smallest number 24 (18,18%), was in the ACX.

Conclusion: During the one year period 609 procedures were done. The majority of the patients continued with OMT, 33,56% had a PCI, 24,52% were indicated for cardio surgery procedures. The dominant approach was femoral, in 90,14% of the pts, however, in the last two months 64,28% pts were examined with radial approach.

Key words: Coronarography (Angiography), PCI, femoral approach, radial approach