CARDIOTHORACIC AND VASCULAR SURGERY
Coronary Artery Bypass Grafting on beating heart in Norvic Hospital

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Purpose
Coronary artery bypass grafting (CABG) with the use of Heart Lungs machine (extra corporeal circulation) is associated with certain risks, which may be avoided by using the Octopus stabilizer - beating heart bypass surgery (off pump). We demonstrate the early results of 44 cases of CABG on beating heart in Norvic - Escort International Hospital.

Methods
From 06th January 2002 to 6th January 2004 in Norvic - Escort International Hospital Total 44 patients under went CABG on beating heart with off pump techniques. Among them 35 patients were male and 8 female. Age of the patients varies from 40 to 75 years (mean 57.16 ± 9.08), Ejection fractions of left ventricle (LVEF) were from 29% to 74% (mean 48.89 ± 10.99), Seven patients had LVEF less than 40%, We found single vessel disease -14, double vessels disease -17 and triple vessels disease -13,

Results
Out of 44 patients, 14 patients provided with single graft, 16 patients with two grafts, 10 patients with three grafts, 2 patients with four grafts. Only Left Internal Mamary Artery (LIMA) was used in 14 Patients (%), only Saphenous Venous Graft (SVG) in 8 patients and both LIMA and SVG in 22 patients. Post operatively patients were mechanically ventilated for 8.36±5.44 hours. They left ICU after 3±1 days. All patients were discharged after 10.64±2.89 days. One patient had pleural effusion on 4th day and one had delayed wound healing on right leg. Mortality was zero.

Conclusion
Off pump CABG with the use of OCTOPUS stabilizer is a safe procedure with low complication rate.