As per ESC: E-EPA 2 × 2 g per day should be considered in combination with a statin for patients with:

- Persistently high TGs (1.5–5.6 mmol/L)
- Treatment with a statin

**Results** 398 patients completed cardiac rehab during this study and were included in our database. Of these 275 (69%) had a 6 month TG and LDL recorded and were included. All patients in our cohort had been on a stable dose of statin for at least 4 weeks.

Analysis as per initial REDUCE IT protocol: 14/275 patients (5%) were excluded as they were less than 45 years old. 63 patients (23%) had a TG level of 1.5–5.6 and 42 of these had an LDL-C level of 1.06–2.59 mmol/L (15.3%). This led to an overall eligibility of 15.3% for E-EPA.

Analysis as per amended REDUCE-IT protocol: 14/275 patients (5%) were excluded as they were less than 45 years old. 30 patients had a TG level eligible as per the amended REDUCE-IT protocol (10.9%) and 20 of these patients had an LDL-C level of 1.06–2.59 mmol/L (7.3%) leading to an overall eligibility of 7.3% for E-EPA.

Analysis as per the ESC/EAS guidelines: Notably the ESC guidelines do not specify an LDL level or age required for E-EPA to be considered. 64 patients had a TG level of 1.5–5.6 mmol/L despite statin therapy. As such, 64/275 patients (23.3%) of our cohort would be eligible for E-EPA.

**Conclusions** E-EPA is a dominant cost-effective strategy to reduce CV risk in patients with elevated TG levels despite statin therapy.

Nearly one quarter (23.3%) of patients in our cohort would be suitable for E-EPA treatment in order to further reduce their CV risk.

Rehab services should develop screening strategies to identify and treat patients eligible for E-EPA therapy.

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**INFLUENZA VACCINE UPTAKE IN A CARDIOLOGY OUTPATIENT DEPARTMENT SETTING; A MISSED CARDIOVASCULAR DISEASE PREVENTION OPPORTUNITY**

N Connolly, Galway University Hospital, Galway, Ireland

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**Aim** Management of chronic illness is a cornerstone of care in the secondary care setting. Cardiovascular patients may have multiple indications for influenza vaccination and protection from Flu may improve both mortality and morbidity. Studies have shown a direct link between influenza, respiratory illness and acute myocardial infarction and there is existing evidence that influenza vaccination reduces acute MI rates in both primary and secondary prevention. The aim of this audit was to evaluate if patients attending a cardiology outpatient department, with an indication for influenza vaccination, as per current guidelines, are adequately vaccinated and if an opportunity lies there in to target this patient cohort and improve outcomes.

**Method** Patients attending two large university teaching hospital outpatient departments were asked to fill out a survey, including simple personal medical history details, seeking to identify; patients with an indication for vaccination, patients that had been offered vaccination and reasons for refusal if they had been offered but declined. Unvaccinated patients were asked if would they avail of vaccination if it were available on the day at the clinic. The results were collated and reviewed.

**Results** 142 respondents in total; average age 66.2 yrs (STD 14.2), 64.7% male, 79.6% >50 yrs, 28.9% attended a Heart Failure Unit, 81.7% overall had an indication for vaccination other than age alone and 90.8% had an indication when age >50 yrs was also included. Of the patients with an indication for vaccination, vaccination rates were; 62.9% males, 60.0% females, 73.2% Heart Failure clinic attendees, 56.8% General Cardiology attendees (p=0.075 for difference in vaccination rates among clinic types). Of the patients with an indication for vaccination that had not been vaccinated thus far, 48.9% would have received the vaccine on the day if offered. This would have improved the overall vaccination rate amongst patients with an indication for vaccination from 62.0% to 80.6% (p=0.015). Of the patients who would not opt to receive the vaccine if offered, 23% believe it doesn’t work, 23% believe they would contract influenza from it and 38.5% have plans to receive the vaccine elsewhere.

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**OPTIMISING LIPID TREATMENT FOLLOWING MYOCARDIAL INFARCTION**

1. C Cartmill, 1. M Menon, 1. G Klappers. 1. Craigavon Cardiac Centre, Craigavon, UK; 2. Faculty of Health, Medicine and Life Sciences, Maastricht University, Netherlands

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**Introduction** European Society of Cardiology (ESC) guidelines recommend intensive control of LDL cholesterol (LDL-C) following myocardial infarction (MI) to improve outcome. Early assessment of lipids post MI is confounded by acute phase response requiring re-testing to guide need for up-titration ± additional treatment.

**Method** We studied patients admitted with MI across a healthcare region including 2 acute receiving hospitals over two years (2017–2018). Diagnosis, cardiovascular (CV) risk factors, CV history (Hx), lipid treatment before admission, lipid profile on admission, lipid treatment on discharge, lipid profiles at first and second follow up, changes to lipid treatment and readmission were recorded. Chi-squared was used to assess relationships between variables.

**Results** Of 638 acute MI admissions, 227(35.6%) had ST-elevation MI, 464(72.7%) were male, 174(27.3%) female. Base-line CV risk factors included diabetes 137(22.3%), family Hx 291(52.8%), smoking [current 188(30.9%); ex 164(26.9%)], CV Hx 359(58.1%). Lipid profile was tested on admission in 431(67.7%) subjects. For those already on lipid treatment, mean LDL-C was 2.22 mmol/l; for those not, mean was 2.91 mmol/l. Almost all (98.3%) were prescribed lipid lowering therapy prior to discharge (ATORVASTATIN 92.0%, SIMVASTATIN 2.1%, ROSUVASTATIN 5.1%, PRAVASTATIN 0.3%, EZETIMIBE 0.5%). A high intensity statin was used in 94.4% of the sample. Mean time to first follow-up lipid profile was 5.65 months. Follow up profiles were available in 85.6%, in whom mean LDL-C was 1.67 mmol/l. At first follow up, 349(54.7%) met the 2018 ESC target <1.8 mmol/l. For those not at target, 62 (32.8%) received no further lipid testing and 13(6.9%) had therapy increased. At final lipid test, 62.7% achieved LDL-C <1.8 mmol/l. Males (p≤0.1) and diabetics (p = 0.01) were more likely to achieve target. Females were more likely to receive a lower dose of Atorvastatin (p = 0.004). There was no significant relationship between diabetes and discharge on