Clinical pharmacy and clinical trials

According to the latest guidelines issued by ESMO the role of maintenance is not yet defined. In our study only a few patients were candidates for this treatment.

The median overall survival time found in our study was similar in the two groups.

No conflict of interest.

CPC-018 ANETH: AN ORIGINAL TOOL FOR ASSESSING, PROMOTING AND IMPROVING YOUR PATIENT EDUCATION (PE) PROGRAMME

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Background In France, the annual self-assessment of PE programmes is recommended by the Regional Health Agencies. This analytical approach, necessarily time-consuming and structured, is a challenge for any team. However, it is a preliminary step in any process of qualitative and quantitative improvement.

Purpose First to provide a tool enabling teams to formalise and describe their work processes and to record work done and resources data in order to identify margins of progress leading to an improved action plan.

Materials and Methods A survey of quality criteria was conducted according to the recommendations available in France about PE programmes. The quantitative criteria were those requested by regional agencies. Several successive versions have been developed. Each was tested by a group of programme coordinators and updated as necessary.

Results The final tool is provided in the form of a user-friendly Excel document. The first input sheet is simply used to identify the programme. The following three input sheets are designed to record quantitative data (tasks accomplished), and the achievement of programme objectives (effectiveness). The output summary sheet shows graphical results and highlights the strengths and weaknesses of the programme, as well as quantitative changes from the previous year. The last sheet allows you to edit a report containing the main recorded items.

Conclusions AnETH appears to be easy to use and provides an original interface for identifying and evaluating PE activities in order to improve actions. It provides a simple method for meeting the requirements of self-assessment and certification and, in the current context of financial constraints, it may be used as a useful activity and resources report. Future versions may incorporate an interface with the usual recording software, in order to skip data collection.

No conflict of interest.

CPC-019 ANTICOAGULANT THERAPEUTIC EDUCATION: A NEW MORE SUCCESSFUL METHOD?

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Background More than 1% of the French population is treated with anticoagulants. This class of medicines is the leading cause of iatrogenic illness. For this reason anticoagulant therapeutic education (ATE) is a priority for our hospital. Since 2010, an ATE programme has been implemented in the cardiology department but only a few patients have been interviewed so far.

Purpose To find a new method that would be more effective in treating patients and also easier to implement for the pharmacist, who is in charge of informing the health staff.

Materials and Methods Since all the patients’ records are computerised, we worked with the computing department to include the ATE programme in the patients’ records. We start by interviewing the patients being treated with anticoagulants. Then, we explain to them what the treatment consists of and we give them an explanatory booklet which informs them about the signs of overdose, risky situations and adverse effects. It also provides them with information regarding their diet and the steps they have to follow when forgetting a dose. We call the patients one month after the interview was carried out to assess the results.

Results The new method was implemented in March 2012. Of the 12 patients we interviewed, 8 patients answered our questions and 2 of them had stopped their treatment. The 6 patients still on treatment knew that the treatment follow-up required doing blood tests. 4 of them knew what to do if they got an abnormal INR result. 3 of the 6 patients kept their anticoagulant treatment card in their wallet. All the patients took their medicine at fixed times in the evening. They appeared to be satisfied with the programme. The booklet helps them to commit to memory the concepts explained to them. Including the ATE in the patients’ computerised records was shown to make the pharmacist’s work easier. The presentation of the process to the managers from the different departments was a success.

Conclusions These encouraging results highlight the advantages of this new therapeutic education method which makes the pharmacist’s work easier. We plan to introduce ATE in all departments and to assess this implementation over the next six months.

No conflict of interest.

CPC-020 ASSESSMENT OF MEDICINES ADMINISTRATION IN INSTITUTIONALISED PATIENTS WITH DYSPHAGIA OR FEEDING DISORDERS

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Background Dysphagia is the most common oesophageal disorder in the elderly, particularly in patients living in institutional settings, such as nursing homes. Pharmacists have an important role in patient safety by suggesting alternative methods of administration, dosage forms or therapeutic agents that might be available in a more suitable formulation.

Purpose Implementation of individualised medicines administration guides for geriatric patients with dysphagia or enteral tube feeding.

Materials and Methods A total of 154 institutionalised patients were included in a transversal prospective study carried out in 2 nursing homes over a period of 6 months. A comprehensive geriatric assessment was performed by an interdisciplinary team and all patient medicines profiles were reviewed. Pharmacist recommendations and prescription adaptations were then used to write individualised medicines administration guides for all dysphagic patients.

Results Medicines administration problems were identified in 52 out of 154 patients (33.7%). Their mean age was 84.3 ± 9.2 years, and most of them were female (73.9%). Polypharmacy was high among this population (75%) as defined by taking more than five drugs (mean 6.6 per patient).
Dysphagia was the main problem for medicines administration (36.5%), while other factors such as blinded medicines (7.7%) or enteral tube feeding (5.8%) were less frequent.

The specialist pharmacist made 135 recommendations and prescription adaptations of which 94 (69.6%) involved changes on drug administration: crush tablets (42; 44.7%), change dosage forms (30; 31.9%), dissolve tablets and oral forms (11; 11.7%), change of therapeutic agent (9; 9.6%) and withdrawal of medicine (2; 2.1%). Acceptance among physicians and nurses of medicines administration guides for all 52 patients was high (98.9%).

Conclusions Pharmacists play an important role in adapting treatments of patients with dysphagia and feeding disorders, therefore ensuring safe administration of drugs. The implementation of individualised medicines administration guides supports individualised care and is generally well accepted.

No conflict of interest.

**CPC-021** ASSESSMENT OF PATIENT KNOWLEDGE IN A REHABILITATION WARD AND CREATION OF A TEACHING AID IN THE TREATMENT OF PAIN

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**Background** The management of pain is one of the priorities of our hospital, which specialises in follow-up and rehabilitation care. A lack of knowledge about the pain and its treatment can limit the patient’s adherence to painkillers and lead to side effects or overdose.

**Purpose** To create a teaching aid on the treatment of pain. It was written with the cooperation of two doctors. A questionnaire was developed to assess patients’ knowledge of the painkillers they had been prescribed.

**Materials and Methods** A list of open questions about painkillers was developed:

- name of their painkiller (International Nonproprietary Name (INN), trade name),
- the dosage, when to take the drugs, the maximum daily dose/time interval between doses,
- the meaning of ‘sustained-release drug’ and ‘orodispersible’,
- side effects and how to avoid them, contraindications, possible drug interactions,
- how to use painkillers depending on the intensity of the pain,
- withdrawal from tramadol and codeine,
- alternatives to pain treatment.

Eleven patients were interviewed.

**Results** Overall, patients knew the trade name of their painkiller (72%) but only 9% of patients knew the INN. 72% could quote the exact dose. 54% of patients knew the maximum daily dose and the period of time between doses. Nearly all patients didn’t know the meaning of ‘sustained-release drug’ and ‘orodispersible’ (81% and 91%). The use of painkillers depending on pain intensity was well reported in 5 cases (45%). Side effects and how to avoid them, contraindications and possible drug interactions, were not well known subjects. Finally, 27% of patients quoted alternatives to pain treatment.

**Conclusions** This assessment enabled us to target patients’ lack of knowledge about painkillers and to develop a booklet providing all the information required. This leaflet has been checked by doctors. Patients who were part of this study gave feedback on the booklet, which will now be distributed to patients.

No conflict of interest.

**CPC-022** ASSESSMENT OF THE RELEVANCE OF FLUOROQUINOLONE PRESCRIPTIONS IN THE INTERNAL MEDICINE DEPARTMENT AND IMPACT ON ANTIBIOTIC STEWARDSHIP

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**Background** In our hospital, the consumption of fluoroquinolone (FQ) antibiotics has increased since 2004. Moreover, the development of quinolone-resistant strains of Escherichia coli and their spread have become a worrying issue. The FQs available in our hospital are norfloxacin (Nor), ofloxacin (Oflo), ciprofloxacin (Cip), levofloxacin (Levo). Cip and Levo access are restricted by the hospital formulary. The Antimicrobial MultiDisciplinary Team (AMDT), composed of the pharmacy resident and a clinical microbiologist, reviews all prescriptions daily before dispensing.

**Purpose** To assess the relevance of FQ prescriptions in the department of Internal Medicine and then to initiate a thoughtful consideration of non-restricted fluoroquinolones.

**Materials and Methods** Over a six-month period, all cases of FQ prescriptions for acute infections were analysed by both a pharmaceutical resident and a bacteriologist. Appropriateness of prescriptions was determined by using a therapeutic suitability index, which investigated relevance of FQ and drug prescribed, dosage adjustments, duration of treatment and route of administration.

**Results** Forty-three prescriptions were assessed. Ofloxacin was the most prescribed FQ representing 72% of the prescriptions, followed by ciprofloxacin (16%), levofloxacin (7%) and norfloxacin (7%). Fewer than 35% of prescriptions adhered to guidelines for all items. Another antibacterial family should have been prescribed in 11% of cases (3 Oflo and 2 Nor). The drug prescribed was judged debatable in 28% of cases (9 Oflo and 2 Cip). Dosage was not adapted to renal function in 4 prescriptions. Route of administration was justified for all prescriptions.

**Conclusions** These results were presented to the antibiotic control committee. Because of the overuse and misuse of ofloxacin, it has been decided to restrict its access, which will lead to improve quality of fluoroquinolone usage.

No conflict of interest.

**CPC-023** ASSESSMENT OF THE WHOLE INTERCEPTIVE AND POST-FERTILISATION EFFECTS OF POSTCOITAL LEVONORGESTREL

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**Background** Taking into account the whole interceptive effect, anovulatory potency and timing of administration, it’s possible to calculate what proportion of interceptive contraceptive±contragestive) effects of levonorgestrel take place as anovulatory action. However, we don’t know the actual interceptive effect, because clinical trials didn’t use a placebo group.

**Purpose** To discover the interceptive effect after a single dose of levonorgestrel, and then calculating the proportion of its anovulatory and possible post-fertilisation effects.

**Materials and Methods** A recent systematic review pulled data from 6,794 women. Levonorgestrel administered the fifth day after intercourse showed a probability of pregnancy of 5.2%, slightly lower than the 6–8% calculated by an estimation method. Using this cohort as a control group, we estimated the interceptive effect