



THE PHARMACIST'S ROLE IN THE DRUGS AND THERAPEUTICS COMMITTEE

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Disclosure

Conflict of interest: nothing to disclose





- To describe the objectives of the DTC.
- To identify the role of hospital pharmacists at the DTC.
- To share a model for drug evaluation.
- To compare the role of the pharmacist in local and regional committees.
- To discuss the need for professional training of the hospital pharmacist before joining the DTC.
- To identify new challenges for the DTC.





Spanish Society of Hospital Pharmacy



Group for Innovation, Assessment, Standardisation and Research in the Selection of Drugs



Questionnaire 2018

What is a Drug and Therapeutic Committee?



2004

"DTCs are a forum to bring together all health professionals to jointly work to improve health care delivery, whether in hospitals or other health facilities".



"To ensure that patients are provided with the best possible cost-effective and quality care through determining what medicines will be available, at what cost, and how they will be used".

Objectives of the DTC



- Decision-making process: PRIORITISE.
- Efficiente use: SUSTAINABILITY.
- EQUAL ACCESS.
- Multidisciplinary groups: effectiveness, safety and efficiency.
- OUTCOMES of the treatments.

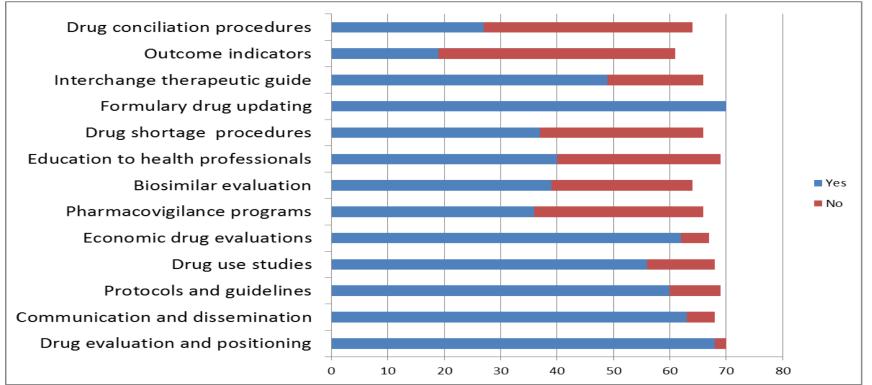


What are the functions of the DTC in

Spain?



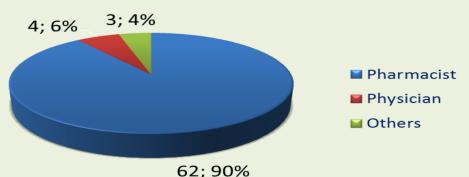


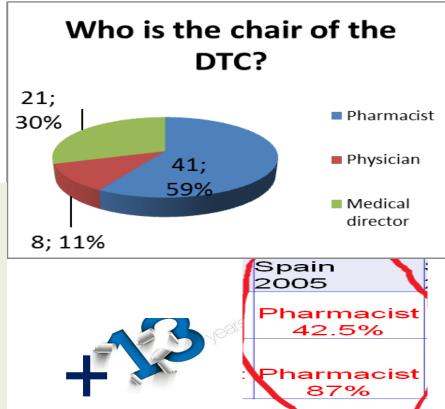


Who are the chair and secretary at the DTCs in Spain?

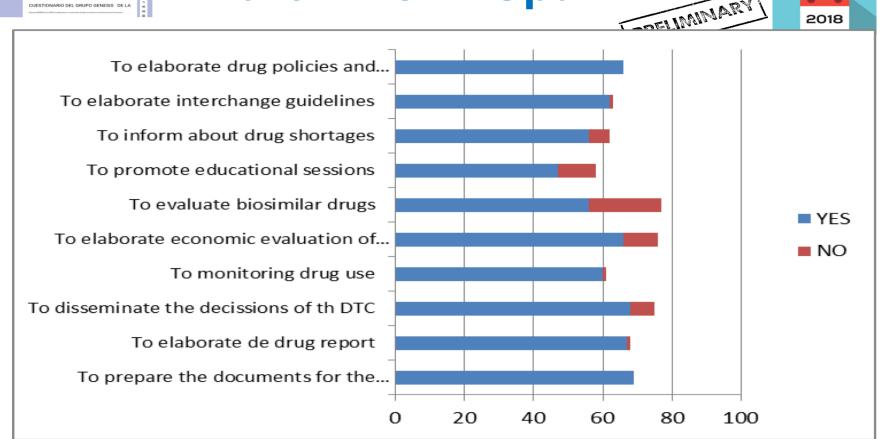


Who is the secretary of the DTC?





What is the role of the pharmacist at the DTC in Spain?





Statement 1.6

Coordinating the activities of multi-disciplinary, organisation-wide DTC: oversee and improve all medicines management policies.



- 1. Low perception of team work between the health workers and/ or DTC members.
- 2. <u>Time constraints.</u>
- 3. Poor communication.
- 4. <u>Lack of understanding of the role and responsabilities of other members of the team.</u>
- 5. Types of DTCs: hospitals vs primary care.



Statement 1.6

Coordinating the activities of multi-disciplinary, organisation-wide DTC: oversee and improve all medicines management policies.



PHARMACIST TOOLS:

- > SKILLS:
 - Teamwork + Positive + Engagement
- > TRAINING
- > COMMUNICATION
- > QUALITY
- DTC: primary+hospital

Professional **training** of the hospital pharmacist at the DTC

Drug evaluation: expert in evidence- based medicine.

Expertise and knowledge regarding treatments for the elderly, biotechnological therapies, precision medicines...

Understanding of the biosimilar evaluation process.

Pharmacoeconomics.

Indirect comparisons.

Real world analysis.

Required **aptitudes** of the hospital pharmacist at the DTC

To appraise medical literature critically.

To work in multidisciplinary groups.

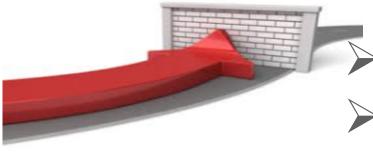
To engage and communicate.

To have a global perspective of diseases and treatments.

To be independent in their opinions and decisions.

Statement 2.1

Be involved in the complex process of procurement of medicines: ensure transparent procurement processes following the principle of safety, quality and efficacy of medicines.



Conflicts of interest.

- Time constraints to consider.
- Training for critical drug evaluation.









14 117 Objectives:



- 1. TOOLS AND INFORMATION: selection process of Spanish hospitals.
- 2. COLLABORATION among pharmacy services: efficiency, quality, speed and independence.
- 3. APPLICATION of the report model.

Be involved in the complex process of procurement of medicines: ensure transparent procurement process and based on the principle of safety, quality and efficacy of medicines.



MADRE-2013

Support method for decision making in assessment and appraisal of medicines

Version 4.0

Spanish Society of Hospital Pharmacy SEFH

Group for Innovation, Assessment, Standardisation and Research in the Selection of Drugs **GENESIS**







Phases for the preparation of a GENESIS report

- 1. Selection of drug.
- 2. Search of authors, tutor and reviewer.
- 3. Elaboration of DRAFT REPORT.
- 4. Allegations: scientific societies, pharmaceutical companies, ...
- 5. Answer to the allegations.
- 6. Positioning: FINAL REPORT





Statement 2.1

Be involved in the complex process of procurement of medicines: ensure transparent procurement process and based on the principle of safety, quality and efficacy of medicines.







DYES

DYES

Form to disclosure of conflicts of interest

Potential conflicts of interest in preparing evaluation reports are considered when they exceed the amount of 2,000 euros per year (last three years).

- Name:
- Institution where you work:
- An institution that relates to the report. Eg: scientific societies, group work, etc... (Answer only if different from above):

Participation in the evaluation report as: 1- Author 2- Tutor 3- External Reviewer

After having read and understood the information provided on the declaration of conflicts for this report, make the following statement:

A- Personal interests (please specify)

	Activity	Institution	Date
Funding for meetings and conferences, attending courses			
(registration, travel bags, accommodation)			
Fees as a speaker (conferences, courses)			
Funding of educational programs or courses (staffing, facility			
rental)			
Funding for participating in an investigation			
Consulting for a pharmaceutical company			
Shareholder or business interests in a company			
Economic interest in a private company related to health (owner,			
employee, shareholder, private consultation), which can be			
significant in relation to the authorship of the report			

significant in relation to authorship in the report B- Non-personal interests (please specify)

Conflicts of interest of non-economic nature that may be

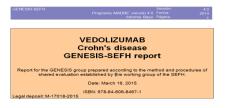
	Activity	Institution	Date
Funding or financial assistance for the unit or service			
Contracting or financial aid to recruit in the unit or service			
Financial support for research funding			
Funding of educational programs or courses for the unit			

C- Other potential conflicts of interest not mentioned in previous sections (specify)





- 1. Evaluation of RESULTS of the clinical trials (recent vs long time approval).
- 2.Evaluation of the validity ("bias") and clinical relevance of the results.
- 3. Assessment of the screening test used.
- 4. Published systematic reviews.
- 5. Indirect comparisons.
- 6. Secondary sources.



Population GEMINI III Anti-TNF failed







Study GEMINI III. Clinical trial phase III

Table 7. Sands BE, Feagan BG, Rutgeerts P, Colombel J-F, Sandborn WJ, Sy R, et al. Effects of Vedolizumab Induction Therapy for Patients with Crohn's Disease in whom Tumor Necrosis Factor Antagonist Treatment Failed. Gastroenterology 2014; 147:618-627

- Number of pacients.
- -Design:
- -Treatment of the active group and treatment of the control group:
- -Inclusion criteria:
- -Exclusion criteria:
- -Losses:
- Sample size calculation

Results: Population with failure prior to Anti-TNF								
Variable evaluated in the study	Vedolizumab N (158)	Placebo N (157)	Difference (CI95%)	Р	NNT (CI95%)			
Main result - Week 6 clinical remission for patients with previous failure to anti-TNF	15.2%	12.1%	3.1% (-4.5-10.7)	0.433				
Secondary results of interest - Clinical remission week 10 - Clinical remission week 6 and 10	26.6% 12%	12.1% 8.3%	14.5% (5,9-23,1) 3.7%	0.001 0.276	7 (5 a 17) np			

Clinical remission at week 6 vedolizumab vs placebo: 15.2% vs 12.1%; p=0.433

MAINTENANCE PHASE:

GEMINI III: better clinical remission at

week 10: NNT: 7 (5-17).

González Chávez J, Asensi Diez R, Tamayo Bermejo R, Alegre del Rey E, Martínez López de Castro N. Vedolizumab en enfermedad de Crohn. Marzo 2015. Informe compartido del Grupo GENESIS-SEFH (revisor). MADRID: SEFH (ed.), 2015. ISBN: 978-84-606-8467-1. [Fecha de la censulta].

VEDOLIZUMAB Crohn's disease GENESIS-SEFH report

Report for the GENESIS group prepared according to the method and procedures of shared evaluation established by this working group of the SEFH.

Date: March 16, 2015

ISBN: 978-84-606-8467-1

egal deposit: M-17018-2015







GENESIS-SEFH Versión: 4.0
Programa MADRE versión 4.0
Informe Base Página: 33

Reference: Sandborn WJ, Feagan BG, Rutgeerts P, Hanauer S, Colombel JF, Sands BE, et al. Vedolizumab as Induction and Maintenance Therapy for Crohn's Disease. N Engl J Med 22 de August de 2013; 369:711-21 Study GEMINI II. Clinical trial phase III Adverse events that affect 5% of patients who received Vedolizumab Safety variable Vedolizumab Placebo ARR P NNHevaluated the N (814) N (301) (CI (C195%) in 95%) study Exacerbation of Crohn's 20.1% 21.6% disease 13.5% 13.3% Arthralaia

González Chávez J, Asensi Diez R, Tamayo Bermejo R, Alegre del Rey E, Martínez López de Castro N. Vedolizumab en enfermedad de Crohn. Marzo 2015. Informe compartido del Grupo GENESIS-SEFH (revisor). MADRID: SEFH (ed.), 2015. ISBN: 978-84-606-8467-1. [Fecha de la consulta].

VEDOLIZUMAB Crohn's disease GENESIS-SEFH report

COST COMPARISON AMONG ALTERNATIV

DIRECT ASSOCIATED COSTS: Day

Hospital

administration

INCREMENTAL COST

Report for the GENESIS group prepared according to the method and procedures of

ISBN: 978-84-606-8467-1







'ES		
DZ 300 MG	IFX 100 MG	ADA 40 MG
<u> </u>	557.73	534.56

COST EFFECTIVE

3,466

Cost (€)

10,398 3,904.11 2,138.24

COST of INDUCTION (€)

17,330

21.732,6 €

VDZ

COST of MAINTENANCE 11,712.33 12,829.44

12.648.93 €

-12,111.56

Estimation of the number of patients/ year candidates for treatment

at the hospital, annual estimated cost and units of annual efficacy

NNT Annual Units of Nº annual Incremental **Economic**

patients Cost per patient annual Impact efficacy

3-4 Vedolizumab 27.728 € 6 499,104 €

Patients on 13.898,56 € 2nd line:18-24 665,472 € clinical remission at week 52

3-6 Patients on

clinical remission at week 52 for treatment efficacy units

						Vedolizumab	27.728 €	l 6	499,104 €
Incremental Cos	st Effectiven	ess: GEMIN	II III	3 rd line:18-37	27.11.20 C		1,025.936 €		
Principal Failure to previous anti- TNF	Clinical Remision week 6	Placebo	np P>0.05	np	np			The second secon	s / year candidates
Subgroup General Population	Clinical Remision week 6	Placebo	14 (7 a 818)	10.398€	145,572 € (72,786- 8,505.564)	Nº annual patients	Incremental Cost per paciente	NNT	Economic annual Impact

-14,009.12

General Population	Remision week 6		(7 a 818)	10.398 €	(72,786- 8,505.564)	N° annual patients	Incremental Cost per paciente	NNI	Economic annual Impact	Annual Unit of efficacy
Subgroup Naive	Clinical Remision week 6	Placebo	5 (3 a 26)	10.398€	51,990 € (31,194- 270,348)	1.107-1.476 patients	27,728 €	6	30,694.896 €- 40,926.528 €	184-246

Statement 2.1

Be involved in the complex process of procurement of medicines: ensure transparent procurement process and based on the principle of safety, quality and efficacy of medicines.







Therapeutic aspects: clinical benefit, subgroups of patients, safety, ...

> Cost aspects:

Cost, cost- efficacy and budget impact.



ISBN: 978-84-606-8467-1





GENESIS-SEFI		Versión:	4.0
	Programa MADRE versión 4.0	Fecha:	2014
	Informe Base	Página:	51

ANNEX 3: PRINTING OF ALLEGATIONS AND ALLEGATIONS TO THE PUBLIC DRAFT.

Tutor:

+1+	Allegations	to the public draft (MAXIMO 3 PRINTED)	
	1	Allegation	Tutor response

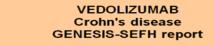
22 ALLEGATIONS FROM TAKEDA COMPANY: 50% minor changes at the report.

González Chávez J, Asensi Diez R, Tamayo Bermejo R, Alegre del Rey E, Martínez López de Castro N. Vedolizumab en enfermedad de Crohn. Marzo 2015. Informe compartido del Grupo GENESIS-SEFH (revisor). MADRID: SEFH (ed.), 2015. ISBN: 978-84-606-8467-1. [Fecha de la consultal.

GINF GUIDE "Guide for the inclusion of new drugs":







Report for the GENESIS group prepared according to the method and procedures of shared evaluation established by this working group of the SEFH.

Date: March 16, 2015

ISBN: 978-84-606-8467-1

A: The drug is **NOT INCLUDED**: lack of some basic requirements. (A1/A2)

B: The drug is **NOT INCLUDED**: low ratio efficacy/ safety. (B1/B2)

C: The drug is **NOT INCLUDED**: low cost-effectiveness or considered therapeutic equivalent.

D: The drug is **INCLUDED** with recommendations.

E: The drug is **INCLUDED** without specific recommendations.

DECISION: **D:** The drug is **INCLUDED** with recommendations:

2nd or 3rd line of treatment of Crohn's disease

González Chávez J, Asensi Diez R, Tamayo Bermejo R, Alegre del Rey E, Martínez López de Castro N. Vedolizumab en enfermedad de Crohn, Marzo 2015. Informe compartido del Grupo GENESIS-SEFH (revisor). MADRID. SEFH (ed.), 2015. ISBN: 978-84-808-8467-1. [Fecha de la

http://gruposdetrabajo.sefh.es/genesis/



de 2017. Enlace al documento. Puntos clave

◆ PIT

From January to December 2017

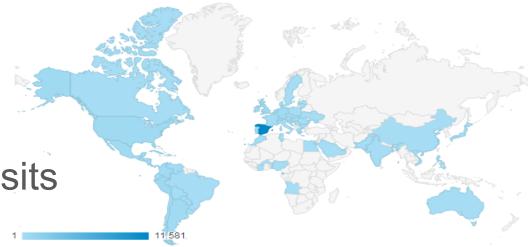






http://gruposdetrabajo.sefh.es/genesis/

15,581 users
14,459 new users
32,229 sessions
83,336 number of visits



Statement 2.2

Lead in developing, monitoring, reviewing and improving medicine use processes and the use of medicine related technologies.



- Infrastructure to analyse data.
- > Experts to analyse data.
- Quality of the real world analysis.
- New ways of communication with patients.

in developing, monitoring, reviewing and improving medicine use process and the use of medicine related technologies.



Downloaded from http://ejhp.bmj.com/ on January 26, 2018 - Published by group.bmj.com

Original article

Content analysis of Twitter in relation to biological treatments for chronic inflammatory arthropathies: an exploratory study

Noemí Martínez-López De Castro, 1,2 Marisol Samartín- Ucha, 1,2 Alicia Martín-Vila, 1 Miriam Álvarez-Pavero, 1,2 Guadalupe Piñeiro-Corrales, 1 José M Pego-Reigosa 2,3

¹Department of Pharmacy, EOXI, Vigo, Spain ²Group of Investigation in Rheumatology and Immune-

Mediated Diseases, Instituto de Investigacion Sanitaria Galicia Sur, EOXI, Vigo, Spain ³Rheumatology, Department

of Rheumatology, EOXI, Vigo, Spain

Correspondence to Noemí Martínez-López De Castro Department

ABSTRACT

Objective To analyse the volume and content of tweets in relation to biological treatments for chronic inflammatory arthropathies.

Methods A Twitter analysis was carried out during one month using the following keywords: 'rheumatoid arthritis', 'ankylosing spondylitis', 'psoriatic arthritis' and their biological therapies: 'abatacept', 'adalimumab', 'certolizumab', 'etanercept', 'golimumab', 'infliximab' and 'tocilizumab'. Tweets were hand-coded and filtered for content.

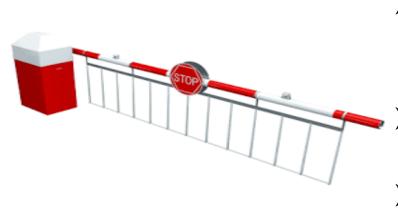
Doculte 25 441 tweate contained at least one of the

welcome in clinical settings, particularly when relational aspects such as mutual trust, uncertainty and vulnerability are affected because of conflicting information and views that can be found on the internet.

Rheumatoid arthritis (RA), ankylosing spondylitis (AS) and psoriatic arthritis (PA) are rheumatic diseases that globally affect as many as one in 100 people. Many people with these conditions experience symptoms that worsen their quality of life. They must cope with these symptoms and also with other aspects related to these diseases or treatments Everyantly these nationts with

Statement 2.3

Coordinate the development, maintenance and use of a medicines formulary system which may be in local, regional and/or national committees. The medicines formulary system should be linked to guidelines, protocols and treatment pathways based on the best available evidence including patient outcomes and pharmacoeconomic evaluations where these are available.



- Lack of homogeneity among committees and lack of teamwork among them.
- Agencies: new conditions of approval.
- Insufficient training of DTC members; Exorbitant drug prices.

Responsibilities of the pharmacist at the regional/ national DTC

1) DRUG EVALUATION:

Drug evaluation of recently approved drugs.

Drug evaluation for individual patients.

2) PHARMACOECONOMICS:

Analysis, budget impact, new ways of drug financing

3) PATIENT OUTCOMES:

To design and promote the use of health outcome indicators.



Responsibilities of the pharmacist at the local DTC

1) DRUG EVALUATION:

Protocols and guidelines

Biosimilar drugs

Coordination of expert groups

Evaluation of individual patient treatments

Medication conciliation

- 2) PHARMACOECONOMICS: Efficiency and budget impact.
- 3) PATIENT OUTCOMES: Design and follow up

Statement 2.4

Procurement should be done according to the medicine formulary. A robust process to procure medicines not included in the formulary.



- Formal procedure for evaluation.
- Equity and transparency.
- Medical Direction.



for the pharmacist at the DTC

- ☐ Critical appraisal.
- ☐ Professional training: expert in new treatments.
- □ Aptitudes: ENGAGING.
- Communication.
- ☐ SHARING of information.
- ☐ Coordination of reconciliation activities.
- □ OUTCOMES: real world analysis.

My take home messages

- 1) DTC must contribute to the optimisation of drug evaluation, sharing information between expert groups. Efforts should be centred in drug positioning and establishment of efficient alternatives.
- 2) New challenges imply the DTC pharmacist must be an expert in: biological therapies, real world analysis, therapies for the elderly and pharmacoeconomics.
- 3) DTC decisions should be focused on the patient, irrespective of the health care setting.



http://gruposdetrabajo.sefh.es/genesis/

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