

# Tutorial UpToDate

Biblioteca Hospital Universitario de Burgos



## <u>1-Qué es.</u>

## 2-Cómo buscar.

- Los resúmenes de Medline.
- Enlazar con Pubmed o con la Biblioteca online.
- Los gráficos y las imágenes relacionadas.
- <u>Movernos por el contenido relacionado</u>.
- <u>Summary and Recommendations.</u>
- Imprimir, o enviar un enlace por correo del contenido.
- Imprimir, exportar a power point o enviar un enlace por correo de los gráficos.
- Educación para el paciente.
- <u>Novedades</u>.
- Actualizaciones que Cambian la Práctica Clínica.
- <u>Calculadoras.</u>
- Interacciones de Fármacos

## 3-UpToDate móvil.

- <u>Registro.</u>
- <u>Funcionamiento</u>
- <u>Mantener acceso</u>



## 1-Qué es.

- UpToDate es una aplicación desarrollada por Wolters Kluwer que proporciona información bibliográfica muy actualizada sobre cualquier tema médico.
- Es una herramienta de apoyo para la toma de decisiones clínicas
- Su contenido se renueva cada cuatro meses.
- Está elaborada por Más de 6.700 autores, editores y revisores médicos.

### 2-Cómo buscar.

Introducimos un término de búsqueda.

Podemos realizar la búsqueda en español, aunque los resultados van a aparecer en inglés.

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Se obtiene así una lista de temas por órden de relevancia, en función de los criterios de búsqueda, que podemos priorizar por: adultos, pediatría, pacientes o gráficos.

UpToDate" 🏽 🚟 🚟 🚟	
	Bienvenido, Ministerio de Sanidad Servicios Soci
anemia fisiológica del embarazo Q contenidos   Educación para el paciente   Novedades	Actualizaciones que Cambian la Práctica Clínica Calculado
Resultados de la búsqueda para "anemia fisiológica del embarazo"	
Todos los term   Adultos Pediatría Pacientes Gráficos	
Maternal adaptations to pregnancy. Hematologic changes postpartum. Physiologic anemia – Physiologic anemia of pregnancy should resolve by six weeks postpartum since plasma volume has returned to normal by that time. Platelets – For most pregnant women, the platelet Dilutional anemia Summary and recommendations Hematologic changes of pregnancy by trimester (Tables) Summary of hematologic changes in pregnancy (Tables)	>
Anemia in pregnancy Anemia in pregnancy is a global health problem. While some degree of <b>dilutional anemia</b> is part of normal pregnancy physiology, iron deficiency anemia can have serious adverse health consequences for the Physiologic (dilutional) Summary and Recommendations	
Maternal adaptations to pregnancy: Cardiovascular and hemodynamic changes requirement for oxygen during <b>pregnancy</b> . A greater increase in intravascular volume compared with red cell mass results in the dilutional or <b>physiologic anemia</b> of <b>pregnancy</b> . This becomes most apparent Physiologic anemia Summary and recommendations	

Haciendo clic en la flecha que aparece al pasar el ratón por encima de cada tema nos aparece a su derecha un esquema de cada uno de ellos.

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anemia fisiológica del embarazo Q contenidos   Educación para el po	aciente   Novedades   Actualizaciones que Cambian la Práctica Clínic	a Calculadoras Interacciones de fármacos v
Resultados de la búsqueda para "anemia fisiológica del embarazo"		
Todos los temas Adultos Pediatría Pacientes Gráficos		Expandir resultados
	Tonic Outline Mostrar Gráficos (7)	
Maternal adaptations to pregnancy. Hematologic changes		
Anemia in pregnancy	SUMMARY & RECOMMENDATIONS	
	INTRODUCTION	
Maternal adaptations to pregnancy: Cardiovascular and hemodynamic changes	PREVALENCE AND EPIDEMIOLOGY	
	DEFINITION OF ANEMIA	
Normal reference ranges for laboratory values in pregnancy	CAUSES OF ANEMIA	
Clinical manifestations and diagnosis of the thalassemias	Physiologic (dilutional)	
	Iron deficiency Other causes	
Maternal adaptations to pregnancy: Physiologic respiratory changes and		
dyspried	SCREENING DURING PREGNANCY	
Anesthesia for labor and delivery in high-risk heart disease: General	Screening for iron deficiency	
considerations		
Management and progressic of the thelessemiac	Iron deficiency anemia	
management and prognosis of the thatassentias	Other anemias	
Exercise during pregnancy and the postpartum period	MANAGEMENT	
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Página **3** de **21** 



Si hacemos clic en el mismo tema, se accede al contenido. En primer lugar aparecen los autores y editores, y seguidamente la última fecha de revisión



Vamos a ver **los resúmenes de Medline** utilizados (Números entre paréntesis), los cuales, al pinchar en ellos,





nos van a **enlazar con Pubmed, o con la Biblioteca Online**, para ver si tenemos el contenido completo.



Podemos ver los **gráficos y las imágenes relacionadas** con el tema bien desde el panel de la izquierda, o bien en el mismo texto, señalado entre paréntesis:

anemia	Q Contenidos   Educación para el paciente   Novedades   Actualizaciones que Cambian la Práctica Clínica   Calculadoras   Interaccio
Approach to the patient with neutrophilia	anemia Buscar Imprin
REACTION/HYPERLEUKOCYTOSIS	Neutrophil abnormalities — Examples include:
SUMMARY	• Left shift of oranulocytes (i.e. abundant band forms, metamvelocytes, muelocytes) may be due to severe infection/sensis or chronic myeloid
DEEEDENCES	leukemia (CML), while the presence of significant number of myeloid blasts suggests acute myeloid leukemia (AML) ( <u>picture 3</u> ); occasional
	can be seen with extreme inflammation/bone marrow stimulation.
PICTURES	<ul> <li>Döhle bodies and toxic granulations suggest an infectious or inflammatory pro ess (<u>picture 1</u>).</li> </ul>
- Toxic granulations - Howell-Jolly bodies	<ul> <li>Dysplastic leukocytes may be due to chronic myelomonocytic leukemia (CMM) (<u>picture 4</u>).</li> </ul>
- Acute myeloid leukemia	Spurious neutrophilia (artifacts) — Examples of artifacts that may yield falsel dependent (equiped) neutrophilia include:
- CMML peripheral smear     - Platelet clumping in EDTA     Leukoenthrohisstic blood smear	Platelet clumping — Clumping of platelets can cause spurious neutrophilia in an automated particle counter. Examination of the periphen will reveal platelet clumping. A repeat blood sample adequately anticoagulated with citrate or heparin (rather than EDTA) should resolve this pro-
- Tear drop cells	Platelet clumping can occur under the following circumstances:
TABLES - Normal values WBC and ANC child	<ul> <li>Insufficient anticoagulation – Inadequate anticoagulation may cause platelet aggregation by some automated cell counters. However, the blood cell (WBC) count is rarely increased by more than 10 percent and there is usually an associated spurious thrombocytopenia [30].</li> </ul>
- Classification of neutrophilia	Pseudothrombocytopenia – Normar subjects inth EDTA-dependent agglutinins may exhibit platelet clumping that can be erroneously rep leukocytosis (pseudoleukocytosis) (picture 5) [3]. (See "Approach to the adult with unexplained thrombocytopenia", section on "Pseudothrombocytopenia".)
Calculator: Absolute neutrophil count	Cryoglobulinemia — When cold-insoluble plasma proteins are present, a temperature-dependent increase in leukocyte and platelet cour
RELATED TOPICS	occurs at temperatures of 30°C or less. This can result in WBC counts as high as 50,000/microL and a doubling of the platelet count, both of wh
Approach to the adult with anemia Approach to the adult with lymphocytosis pr lymphocytopenia	autorule to various sizes of precipitate dryogroounin particles [22]. This effect is increased in the sample is allowed to cool to lower temperature disappears if the sample is kept at body temperature. A repeat blood sample maintained at body temperature should resolve this problem. (See "Overview of cryoglobulins and cryoglobulinemia", section on 'Detection of cryoglobulins'.)
Approach to the adult with unexplained hrombocytopenia	Neutrophilia combined with other hematologic abnormalities — Neutrophilia may be an isolated abnormality (the sole abnormality on Cl and/or blood smear) or it may be associated with abnormalities of other leukocytes. RBCs, and/or platelets.
Approach to the child with anemia	Examples of conditions in which neutronhilia is associated with other abnormalities include



Podemos **movernos por el contenido relacionado**, de un lugar a otro del documento, pinchando encima del texto subrayado.



En "**Summary and Recommendations**" encontramos el resumen de las recomendaciones más importantes que necesitamos conocer para tomar una decisión.

s reumatoide artritis	Q Contenidos   Educación para el paciente   Novedades   Actualizaciones que Cambian la Práctica Clínica   Calculadoras   Interacciones de fárm
Initial treatment of rheumatoid arthritis in adults	rheumatoid arthritis Buscar Paciente Imprimir Com
SUMMARY & RECOMMENDATIONS	<ul> <li>SUMMARY AND RECOMMENDATIONS</li> <li>In all patients with active rheumatoid arthritis (RA), we recommend treatment with a disease-modifying antirheur atic drug (DMARD), rather than use of antiinflammatory agents and/or glucocorticoids alone and delay of DMARD therapy (Grade 1B)</li> </ul>
INTRODUCTION GENERAL PRINCIPLES NONPHARMACOLOGIC AND PREVENTIVE THERAPIES	Additional principles for the treatment of RA include achievement and maintenance of tight control of disease ad vite with the ideal goal of remission; use of antiinflammatory agents, including glucocorticoids, only as adjunctive agents; and participation of a rheumatologist in the evaluation and ongoing care of the patient. (See ' <u>General principles</u> ' above and <u>"General principles</u> of management of rheumatoid arthritis in adults".)
APPROACH TO DRUG THERAPY DMARD THERAPY Pretreatment interventions Initial therapy with methotrexate - MTX dosing - Side effects, monitoring, and other considerations - MTX versus other DMARDs - MTX versus initial combination	<ul> <li>Patient education and other nonpharmacologic and preventive therapies are needed for all patients with RA. (See <u>'Nonpharmacologic and preventive therapies'</u> above and <u>"Nonpharmacologic therapies and preventive measures for patients</u> with rheumatoid arthritis".)</li> <li>In patients with active RA we suggest in thotrexate increased as tolerated and as needed, up to 25 mg/week, to control symptoms and signs of arthritis. Successions administration may be of benefit in patients with an inadequate response to orally administered MTX at a dose of 15 to 25 mg/week of MTX. (See <u>'Initial therapy with methotrexate'</u> above.)</li> <li>In patients who are unable or unwilling to take MTX, we use an alternative nonbiologic or biologic DMARD therapy. (See 'Initial therapy with methotrexate')</li> </ul>
therapy Alternatives to MTX SYMPTOMATIC TREATMENT WITH ANTIINFLAMMATORY DRUGS NSAIDs Glucocorticoids - Oral glucocorticoids - Intramuscular glucocorticoids	<ul> <li>In patients with active RA, we use antiinflammatory drug therapy with nonsteroidal antiinflammatory drugs (NSAIDs) or glucocorticoids, preferably on a temporary basis, to quickly achieve control of signs and symptoms of disease. We use NSAIDs in all patients without contraindications to their use. In patients with fore severe lisease or with moderate disease resistant to a brief course of NSAIDs, we suggest the use of glucocorticoids Grade 2B). We then taper and withdraw these medications once DMARDs have taken effect. We use intraarticular injection of the order of glucocorticoids to reduce synovitis in particular joints that are more inflamed than others. When clinically indicated, joint fluid should be obtained to exclude infection. (See '<u>NSAIDs</u>' above and '<u>Glucocorticoids</u>' above.)</li> </ul>



Las recomendaciones pueden estar graduadas según la fortaleza de la evidencia, y de su calidad. Lo vemos

si pinchamos encima de la gradación.

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			Bienvenido, Ministerio de Sanidad S	Servicios Sociales	Iniciar sesión / Registrars
reumatoide artritis	Educación para el paciente	Novedades	Actualizaciones que Cambian la Práctica Clínica	Calculadoras	Interacciones de fármacos
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Grade 1B recommendation					
A Grade 1B recommendation is a strong reco recommendation unless a clear and compelli	ommendation, and app ing rationale for an alto	lies to m ernative	ost patients. Clinicians should fo approach is present.	ollow a stro	ong
Explanation:					
A Grade 1 recommendation is a strong recommendation all of your patients.	. It means that we believe tha	t if you follo	w the recommendation, you will be doing	more good tha	in harm for most, if not
Grade B means that the best estimates of the critical be flaws, imprecise results, extrapolation from a different p impact on our confidence in the estimates of benefit and	nefits and risks come from ran population or setting) or very s d risk, and may change the est	ndomized, c trong evide imates.	ontrolled trials with important limitations ( nce of some other form. Further research (	eg, inconsisten (if performed)	t results, methodologic is likely to have an
Recommendation grades					
1. Strong recommendation: Benefits clearly outweigh the	risks and burdens (or vice ve	ersa) for m	ost, if not all, patients		
2. Weak recommendation: Benefits and risks closely balan	nced and/or uncertain				
Evidence grades					
A. High-quality evidence: Consistent evidence from rando	mized trials, or overwhelmin	g evidence	of some other form		
B. Moderate-quality evidence: Evidence from randomized	trials with important limitation	ons, or ver	y strong evidence of some other form	_	
C. Low-quality evidence: Evidence from observational stud	dies, unsystematic clinical ob	servations	, or from randomized trials with serious	flaws	
For a complete description of our grading system, please s	see the UpToDate editorial p	olicy.			

También haciendo clic en los hipervínculos de los fármacos a utilizar,

• reumatoide artritis	Q nidos	Educación para el paciente	Novedades	Actualizaciones que Cambian la Práct	ica Clínica 🕴 C	Calculadoras	Interacciones	s de fárn
Initial treatment of rheumatoid arthritis in a	adults			rheumatoid arthritis	Buscar	Paciente	Imprimir	Con
Topic Outline	SUMMARY	AND RECOMMENDATIO	ONS					
SUMMARY & RECOMMENDATIONS	<ul> <li>In all pa</li> </ul>	atients with active rheumat	toid arthritis	(RA), we recommend treatment	t with a dise	ase-modifyir	ng antirheu	matic
INTRODUCTION	drug (D ( <b>Grade</b>	MARD), rather than use o <u>1B</u> ). Additional principles	f antiinflamn for the treat	natory agents and/or glucocortion ment of RA include achievement	coids alone a nt and maint	and delay of enance of ti	f DMARD th ght control	herapy of
GENERAL PRINCIPLES	disease	e activity, with the ideal go	al of remissi	on; use of antiinflammatory age	ents, includin	ng glucocorti	coids, only	as
NONPHARMACOLOGIC AND PREVENTIVE THERAPIES	- adjunct	al principles' and participation and "G	eneral princ	matologist in the evaluation and iples of management of rheuma	atoid arthritis	are of the para s in adults".)	tient. (See	
APPROACH TO DRUG THERAPY	<ul> <li>Patient</li> <li>'Nonph</li> </ul>	education and other nonp armacologic and preventiv	harmacolog	ic and preventive therapies are above and "Nonpharmacologic	needed for therapies a	all patients v	with RA. (So ve measure	ee es for
DMARD THERAPY	patients	s with rheumatoid arthritis'	.)					
Pretreatment interventions Initial therapy with methotrexate - MTX dosing	<ul> <li>In patie nonbiol</li> </ul>	ents with active RA we sup logic or biologic DMARD	gest <u>methot</u> r combinatic	<u>rex te</u> (MTX) as the initial DMA on t <mark>h</mark> erapy ( <mark>Grade 2B</mark> ). Doses a	RD, rather tare increased	han another d as tolerate	single d and as	
- Side effects, monitoring, and other considerations	needeo in patie	d, up to 25 mg/week, to control of the second se	ponse to or	ally administered MTX at a dos	itaneous adı e of 15 to 25	ministration 5 mg/week o	may be of t if MTX. (Se	benefit e
<ul> <li>MTX versus other DMARDs</li> <li>MTX versus initial combination therapy</li> </ul>	<ul> <li>Initial t</li> <li>In patie</li> </ul>	herapy with methotrexate	above.) villing to take	e MTX, we use an alternative no	onbiologic or	r biologic DN	ARD there	apy.
Alternatives to MTX	(See <u>A</u>	atematives to MTX above.	.)					
SYMPTOMATIC TREATMENT WITH ANTIINFLAMMATORY DRUGS	In patie     or gluce     use NS	ents with active RA, we use ocorticoids, preferably on a salps in all patients without	e antiinflamn a temporary t contraindic	natory drug therapy with nonste basis, to quickly achieve contro	eroidal antiini ol of signs ar	flammatory nd symptom	drugs (NSA s of disease	AIDs) e. We
NSAIDs	modera	ate disease resistant to a b	rief course o	of NSAIDs, we suggest the use	of glucocort	icoids (Grac	de 2B). We	then
Glucocorticoids	✓ taper a	nd withdraw these medica	tions once D	MARDs have taken effect. We	use intraarti	icular iniecti	ons of long	-



vemos la información relacionada con ese fármaco.

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	Bienvenido, Ministerio de Sanidad Servicios Sociales   Iniciar sesión / R
reumatoide artritis	Q Educación para el paciente   Novedades   Actualizaciones que Cambian la Práctica Clínica   Calculadoras   Interacciones de fá
Methotrexate: Drug information	rheumatoid arthritis Buscar
Topic Outline	
ALERT: US Boxed Warning	Methotrexate: Drug information Lexicomp
Brand Names: US	Access Lexicomp Online here,
Brand Names: Canada	Copyright 1978-2018 Lexicomp, Inc. All rights reserved.
Pharmacologic Category	(For additional information see "Methotrexate: Patient drug information" and see "Methotrexate: Pediatric drug
Dosing: Adult	inomator )
Dosing: Renal Impairment: Adult	For abbreviations and symbols that may be used in Lexicomp (show table)
Dosing: Hepatic Impairment: Adult	ALERT: US Boxed Warning
Dosing: Pediatric	
Dosing: Renal Impairment: Pediatric	intrathecal and high-dose therapy:
Dosing: Hepatic Impairment: Pediatric	Use only preservative-free methotrexate formulations and diluents for intrathecal and high-dose therapy. Do NOT formulations or diluents containing preservatives for intrathecal and high-dose therapy because they contain benz
Dosing: Geriatric	alcohol.
Dosing: Obesity	
Dosing: Adjustment for Toxicity	Appropriate use:
Dosage Forms	Because of the possibility of serious toxic reactions (which can be fatal), methotrexate should be used only in life

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	Bienvenido, Ministerio de Sanidad Servicios Sociales   Iniciar sesión / Registrars
	Q Contenidos   Educación para el paciente   Novedades   Actualizaciones que Cambian la Práctica Clínica Calculadoras   Interacciones de fármaco
estations of HIV infection: N	Veutropenia anemia Buscar Imprimir Compart
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	Hematologic manifestations of HIV infection: Neutropenia
MMENDATIONS	Authors: Timothy J Friel, MD, David T Scadden, MD Section Editor: Peter Newburger, MD Deputy Editor: Alan G Rosmarin, MD
	Contributor Disclosures
OPENIA IN V	All topics are updated as new evidence becomes available and our <u>peer review process</u> is complete. Literature review current through: Aug 2018.   This topic last updated: Nov 22, 2017.
I TO THE HIV-INFECTED EUTROPENIA	INTRODUCTION — Shortly after the first description of the acquired immunodeficiency syndrome (AIDS), cytopenias of all major blood cell lines were increasingly recognized in patients with human immunodeficiency virus (HIV) infection. As an example, in one early series of patients with AIDS, anemia was noted in approximately 70 percent, lymphopenia in 70 percent, neutropenia in 50 percent, and thrombocytopenia in 40 percent [1].
TIMULATING DR GM-CSF) able products -CSF	The incidence of the various cytopenias correlates directly with the degree of immunosuppression. As an example, the incidence of neutropenia varies from 5 to 10 percent in the early, asymptomatic stages of infection to as high as 50 to 70 percent of patients with advanced disease. The degree of neutropenia may be overestimated from the total white blood cell count due to the associated lymphopenia (as evidenced by the low CD4 cell count).
ophil function cells iects	However, isolated abnormalities, including neutropenia, may be encountered as the initial presentation of HIV infection. As a result, HIV infection should be considered in the assessment of patients presenting with any type of cytopenia. In fact, in one large series of more than 370,000 Danish patients, baseline neutropenia was identified in approximately 1 percent of all patients; during four years of follow-up, the presence of neutropenia had a stronger association with the incident diagnosis of HIV than any other viral infection [2].
M-CSF lation of HIV f side effects	This topic review will discuss the causes, clinical impact, and treatment of neutropenia in patients with HIV infection. HIV-associated anemia, thrombocytopenia, coagulation defects, and lymphopenia are discussed separately. (See " <u>Hematologic manifestations of HIV infection: Anemia</u> " and " <u>Hematologic manifestations of HIV infection: Thrombocytopenia and coagulation abnormalities</u> " and " <u>Techniques and interpretation of measurement of</u>



Imprimir, exportar a power point o enviar un enlace por correo de los gráficos.

						Language Ayuda
			Bienvenido,	Ministerio de Sanidad S	ervicios Sociales Ini	iciar sesión / Registrarse
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tile	Lower limit*	50 <sup>th</sup> percentile	Lower limit*	50 <sup>th</sup> percentile	Lower limit*	Upper limit*
	11	37	32	80	71	89
	11	36	31	77	63	88
	11	37	33	82	74	89
	11	36	32	80	64	89
	11.7	38	34	84	77	91
	11	37	33	83	67	91
	12	40	35	85	78	91
	11.2	38	34	84	72	92
	12.3	40	36	87	80	94
	12.6	42	36	87	80	94
	10.6	38	33	86	71	95

También tenemos acceso **a Educación para el paciente**, donde podemos elegir ver "lo básico", o lo "más allá de lo básico"





"Lo básico" podemos verlo también en castellano. Lo "Más allá de lo básico" solo en inglés.

UpToDate" 🌋 = 🔤 ——	
Buscar en UpToDate Q Contenidos   Educación para el pacie	nte No
Allergies and asthma	
The Basics Beyond the Basics	
"The Basics" are short (1 to 3 page) articles written in plain language. They answer the 4 or 5 most important questions a person might have about a medical problem. These a	rticles an
Allergies	
Educación para el paciente: Aspergilosis broncopulmonar alérgica (Conceptos Básicos) View in English	
Educación para el paciente: Vacunas antialérgicas (Conceptos Básicos) View in English	
Educación para el paciente: Prueba de alergia en la piel (Conceptos Básicos) View in English	
Educación para el paciente: Alergia a medicinas (Conceptos Básicos) View in English	
Educación para el paciente: Alergias estacionales en adultos (Conceptos Básicos) View in English	
Educación para el paciente: Alergias estacionales en niños (Conceptos Básicos) View in English	
Anaphylaxis	
Educación para el paciente: Anafilaxia (Conceptos Básicos) View in English	
Educación para el paciente: Angioedema (Conceptos Básicos) View in English	
Educación para el paciente: Autoinyectores de epinefrina (Conceptos Básicos) View in English	
Angioedema	
Educación para el paciente: Angioedema (Conceptos Básicos) View in English	

En "**Novedad**es" encontramos las novedades y actualizaciones que el equipo editorial considera más importantes dentro de cada especialidad.

Buscar en UpToDate       Q contenidos       Educación para el presido novecados       Actualizaciones         What's New       Cur editors select a small number of the most important updates and share them with you via What's New.       Find Out What's	aciones que Cambian la Práctica C	es   Actualizacione	<b>Q</b> contenidos   Educación para el p	Buscar en UpToDate
What's New       Image: Constraint of the most important updates and share them with you via What's New.         Find Out What's New In:       Image: Constraint of the most important updates and share them with you via What's New.         Practice Changing UpDates       Gastroenterology and hepatology       Oncology         Allergy and immunology       General surgery       Palliative care         Anesthesiology       Geriatrics       Pediatrics         Cardiovascular medicine       Hematology       Primary care         Dermatology       Hospital medicine       Psychiatry				What's New
Our editors select a small number of the most important updates and share them with you via What's New.         Find Out What's New In:         Practice Changing UpDates       Gastroenterology and hepatology       Oncology         Allergy and immunology       General surgery       Palliative care         Anesthesiology       Geriatrics       Pediatrics         Cardiovascular medicine       Hematology       Primary care         Dermatology       Hospital medicine       Psychiatry				
Find Out What's New In:       Oncology         Practice Changing UpDates       Gastroenterology and hepatology       Oncology         Allergy and immunology       General surgery       Palliative care         Anesthesiology       Geriatrics       Pediatrics         Cardiovascular medicine       Hematology       Primary care         Dermatology       Hospital medicine       Psychiatry		New.	mportant updates and share them with you via What's	Our editors select a small number of the most
Practice Changing UpDates     Gastroenterology and hepatology     Oncology       Allergy and immunology     General surgery     Palliative care       Anesthesiology     Geriatrics     Pediatrics       Cardiovascular medicine     Hematology     Primary care       Dermatology     Hospital medicine     Psychiatry				Find Out What's New In:
Allergy and immunology     General surgery     Palliative care       Anesthesiology     Geriatrics     Pediatrics       Cardiovascular medicine     Hematology     Primary care       Dermatology     Hospital medicine     Psychiatry		Oncology	Gastroenterology and hepatology	Practice Changing UpDates
Anesthesiology     Geriatrics     Pediatrics       Cardiovascular medicine     Hematology     Primary care       Dermatology     Hospital medicine     Psychiatry		Palliative care	General surgery	Allergy and immunology
Cardiovascular medicine     Hematology     Primary care       Dermatology     Hospital medicine     Psychiatry		Pediatrics	Geriatrics	Anesthesiology
Dermatology Hospital medicine Psychiatry		Primary care	Hematology	Cardiovascular medicine
		Psychiatry	Hospital medicine	Dermatology
Drug therapy Infectious diseases Pulmonary and critical	critical care medicine	Pulmonary and critica	Infectious diseases	Drug therapy
Emergency medicine Nephrology and hypertension Rheumatology		Rheumatology	Nephrology and hypertension	Emergency medicine
Endocrinology and diabetes mellitus Neurology Sleep medicine		Sleep medicine	Neurology	Endocrinology and diabetes mellitus
Family medicine Obstetrics and gynecology Sports medicine (prima		Sports medicine (prim	Obstetrics and gynecology	Family medicine



Las "**Actualizaciones que Cambian la Práctica Clínica**" son cambios que el equipo editorial considera tan importantes que pueden tener un impacto inmediato y cambiar la práctica clínica. Estos cambios los vemos en el índice de la izquierda en orden cronológico.

UpToDate <sup>®</sup> <table-of-contents> 🛲 🛲 🛶 🛶 🛶 🛶 🛶 🛶 🛶 🛶 🛶 🛶 🛶 🛶 🛶</table-of-contents>						
	Bienvenido, Ministerio de Sanidad Servicios Sociales   Iniciar s					
Buscar en UpToDate	Q   Contenidos   Educación para el paciente   ovedades   Actualizaciones que Cambian la Práctica Clínica   Calculadoras   Interaccio					
Practice Changing UpDates	in Butter in					
Topic Outline ×	Practice Changing UpDates					
CARDIOVASCULAR MEDICINE; HOSPITAL MEDICINE; GENERAL SURGERY (August 2018) Dabinatran for patients with myocardial	Contributor Disclosures All topics are updated as new evidence becomes available and our <u>peer review process</u> is complete.					
injury after non-cardiac surgery	Literature review current through: Aug 2018.   This topic last updated: Sep 17, 2018.					
GASTROENTEROLOGY AND HEPATOLOGY; PEDIATRICS; ALLERGY AND IMMUNOLOGY (July 2018) Brained dispageits ertleris for	INTRODUCTION — This section highlights selected specific new recommendations and/or updates that we anticipate may change usual clinical practice. Practice Changing UpDates for changes that may have significant and broad impact on practice, and therefore do not represent all updates that affect practice. These Practice Changing UpDates, reflecting important UpTOate over the past year, are presented chronologically, and are discussed in greater detail in the identified topic reviews.					
eosinophilic esophagitis	CARDIOVASCULAR MEDICINE; HOSPITAL MEDICINE; GENERAL SURGERY (August 2018)					
ONCOLOGY (July 2018)	Dabigatran for patients with myocardial injury after non-cardiac surgery					
Adjuvant FOLFIRINOX after primary resection for pancreatic cancer	<ul> <li>For all patients with perioperative myocardial infarction or myocardial injury after non-cardiac surgery (MINS) who are not at increased bleeding risk, we suggest treatment with <u>dab</u> (Grade 2B). We treat with dabigatran 110 mg twice daily for two years.</li> </ul>					
HEMATOLOGY (July 2018) L-glutamine for sickle cell disease NEPHROLOGY AND HYPERTENSION; HOSPITAL MEDICINE; PULMONARY AND CRITICAL CARE MEDICINE;	Patients with myocardial injury after non-cardiac surgery (MINS) are at increased risk for short- and long-term adverse cardiovascular outcomes. We treat all such patients with aspirin In the MANAGE trial, over 1750 MINS patients were randomly assigned to <u>dabigatran</u> 110 mg or placebo twice daily for a maximum of two years [1]. Dabigatran treatment lowered the r major vascular complications (vascular mortality and nonfatal myocardial inflarction, non-hemorthagic stroke, peripheral arterial thrombosis, amputation, and symptomatic venous thromboshibosm) compared with placebo (11 versus 15 percent). The risk of major bleeding was similar between the groups (3 versus 4 percent). We suggest adding dabigatran for tw standard management of patients with MINS. (See " <u>Perioperative myocardial infarction or injury after noncardiac surgery"</u> , section on "Management".					
EMERGENCY MEDICINE (ADULT AND PEDIATRIC) (June 2018)	GASTROENTEROLOGY AND HEPATOLOGY; PEDIATRICS; ALLERGY AND IMMUNOLOGY (July 2018)					
Bicarbonate therapy for critically ill patients with metabolic acidosis	Revised diagnostic criteria for eosinophilic esophagitis					
INFECTIOUS DISEASES; OBSTETRICS, GYNECOLOGY AND WOMEN'S HEALTH	<ul> <li>Revised criteria for eosinophilic esophagitis (EoE) no longer require a two-month trial of a proton pump inhibitor with persistence of esophageal eosinophilia on mucosal biopsy to e diagnosis of EoE in patients with symptoms of esophageal dysfunction in whom other causes of symptoms have been excluded.</li> </ul>					
(June 2018) Avoiding cobicistat-containing regimens during pregnancy	The 2018 Appraisal of Guidelines for Research and Evaluation (AGREE) conference has published new consensus criteria for the diagnosis of eosinophilic esophagitis [2]. The diagnos eosinophilic esophagitis requires symptoms of esophageal dysfunction, at least 15 eosinophilis per high-power field on esophageal biopsy, and exclusion of other causes that may be re for or contributing to symptoms and esophageal eosinophilia. In contrast to prior guidelines, persistence of muccal eosinophilis in the esophageal after two months of treatment with a prior to prior the symptoms and esophageal eosinophilia. In contrast to prior guidelines, persistence of muccal eosinophilis in the esophagus after two months of treatment with a prior to prior the symptoms and esophageal eosinophilia. In contrast to prior guidelines, persistence of muccal eosinophilis in the esophagus after two months of treatment with a prior to prior the symptoms and esophageal eosinophilia. In contrast to prior guidelines, persistence of muccal eosinophilis in the esophagus after two months of the treatment with a prior to prior the symptoms and esophageal eosinophilia. In contrast to prior guidelines, persistence of muccal eosinophilis and the symptoms and esophageal eosinophilis of the symptoms and esophageal eosinophilis and the symptoms and esophageal esonophilis and the symptoms and esonophilis and the					

La opción "*Calculadoras*", está disponible por lista alfabética, por especialidad, o también tenemos una caja de búsqueda:

Buscar en UpToDate Q Contenidos   Educación para el paciente   Novedades   Actualizaciones que Cambian la Práctica Clínica	Calculadora
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Clinical Criteria	
Temperature unit conversions	
Weight unit conversions	
Absolute eosinophil count	
Conventional (gravimetric, imperial, US) unit to SI unit conversions: Chemistry and endocrine tests	
Conventional (gravimetric, imperial, US) unit to SI unit conversions: Immunology lab values	
SI unit to conventional (gravimetric, imperial, US) unit conversions: Chemistry and endocrine tests	
SI unit to conventional (gravimetric, imperial, US) unit conversions: Immunology lab values	
ANESTHESIOLOGY CALCULATORS	
Clinical Criteria	



En "**Interacciones de Fármacos**" Podemos introducir una lista ilimitada de fármacos para analizar las posibles interacciones entre ellos, o de productos naturales, como té verde, ajo, etc. (Los nombres deben estar en inglés)

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Lexicomp® Drug Interactions Add items to your list by searching below.
Enter item name
ITEM LIST
Clear List Analyze
Ibuprofen
Aspirin
Paracetamol and Caffeine (INT)
Display complete list of interactions for an individual item by clicking item name.

Nos va a mostrar el resultado de las interacciones entre ellos, según una gradación de la A la X.

UpToDate°		Lexicomp®
Lexicomp® Drug Interactions Add items to your list by searching below. Enter item name	X       Avoid combination       C       Monitor therapy       A       No known interaction         D       Consider therapy modification       B       No action needed       More about Risk Ratings	•
ITEM LIST	1 esult	øy Item
Clear List Analyze	D Aspirin (Salicylates) Ibuprofen (Nonsteroidal Anti-Inflammatory Agents (Nonselective))	
e Ibuprofen	DISCLAIMER: Readers are advised that decisions regarding drug therapy must be based on the independent judgment of the clinician, changing inforr reflected in the ilterature and manufacturer's most current product information), and changing medical practices.	nation about a
Aspirin		
Paracetamol and Caffeine (INT)		
Display complete list of interactions for an individual item by clicking item name.		
NOTE: This tool does not address chemical compatibility related to I.V. drug preparation or administration.		



Si queremos tener más información sobre alguna de éstas interacciones hacemos clic sobre ella, y veremos una explicación de esa interacción , y que podemos hacer para tratar a ese paciente (reducir la dosis, o sustituir uno de los fármacos).

UnToDate®	
opiobate	Lexicomp® Drug Interactions
Lexicomp® Drug Interactions Add items to your list by searching below.	Title Salicylates / Nonsteroidal Anti-Inflammatory Agents (Nonselective)         Print           Risk Rating D: Consider therapy modification         Print
Enter item name	Summary Nonsteroidal Anti-Inflammatory Agents (Nonselective) may enhance the adverse/toxic effect of Salicylates. An increased risk of bleeding may be associated with use of this combination. Nonsteroidal Anti-Inflammatory Agents (Nonselective) may diminish the cardioprotective effect of Salicylates. Salicylates may decrease the serum concentration of Nonsteroidal Anti-Inflammatory Agents (Nonselective). Severity Major Reliability Rating Good
Clear List Analyze	Patient Management Monitor for increased risk of bleeding during concomitant use of nonselective NSAIDs and salicylates. Ibuprofen, and possibly other nonselective NSAIDs, may reduce the cardioprotective effects of aspirin. It seems prudent to avoid regular, frequent use of ibuprofen in patients receiving aspirin for its cardioprotective effects. Alternative analgesics (e.g., acetaminophen) may be a safer choice. Patients may require counseling about the appropriate timing of ibuprofen and aspirin dorsing. Ibuprofen should be administered 30-120 minutes after immediate release aspirin, 2 to 4 hours after extended release aspirin, or at least 8 hours before aspirin.
Paracetamol and Caffeine (INT) Display complete list of interactions for an individual fiem by clicking item name.	Nonsteroidal Anti-Inflammatory Agents (Nonselective) Interacting Members Aceclofenac, Acemetacin, Dexibuprofen, Dexketoprofen, Diclofenac (Systemic), Diclofenac (Topical), Diflunisal, Dipyrone, Etodolac, Etofenamate, Fenoprofen*, Floctafenine, Flurbiprofen (Systemic), Diuprofen*, Topical), Indomethacin*, Ketoprofen, Ketorolac (Nasa), Ketorolac (Systemic), Lornoxicam, Loxoprofen, Meclofenamate*, Mefenamic Acid, Meloxicam, Nabumetone, Naproxen*, Oxaprozin, Pelubiprofen, Phenylbutazone, Piroxicam (Systemic)*, Piroxicam (Topical), Propyphenazone, Sulindac*, Tenoxicam, Tiaprofenic Acid, Tolfenamic Acid, Tolmetin*, Zaltoprofen
	Salicylates Interacting Members Aminosalicylic Acid, Aspirin*, Bismuth Subsalicylate, Choline Salicylate, Magnesium Salicylate, Salsalate, Sodium Salicylate, Triflusal Exception Choline Magnesium Trisalicylate
	* Denotes agent(s) specifically implicated in clinical data. Unmarked agents are listed because they have properties similar to marked agents, and may respond so within the context of the stated interaction.
NOTE: This tool does not address chemical compatibility related to I.V. drug preparation or administration.	Discussion The combination of a salicylate and an NSAID may increase the risk of gastrointestinal bleeding. Further, aspirin has been noted to decrease serum concentrations of a variety of nonsteroidal anti-inflammatory agents (NSADB), sometimes by more than 50% (e.g., furbiorden), 12345783.01.112 The interactions appear to be of minimal clinical significance. The mechanism(s) for these

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	Q			

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Y rellenaremos los campos exigidos, eligiendo el usuario y la contraseña que queramos.

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	City
	Specialty
	Role
	Create your username and password
	Usemame
	Password
	Password rules: - 8 to 24 characters - at least 1 uppercase letter - cannot match username - at least 1 number, or special character from the following set: ℓ ∉ \$ ^ 1 ( ) + =
	Verify Password

Haremos clic en "Submit Registration":

	Last Name	
	Email	
	Country	▼
	ZIP/Postal Code (optional)	
	City	
	Specialty	▼
	Role	▼
	Create your username and password	
	Username	
	Password	
	Password rules: - & to 24 characters - at least 1 uppercase letter - cannot match username - at least 1 number, or special character from the following set: @ # \$ ^ ! ( ) + =	
_	Verify Password	
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		Bienvenido, Ministerio de Sanidad S	ervicios Sociales	Iniciar sesión / legistrars	e
Contenidos Educación para el paciente	Novedades	Actualizaciones que Cambian la Práctica Clínica	Calculadoras	Interacciones de fármacos	v
Buscar en UpToDate		٩			

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