

INFORME DE BÚSQUEDA Y SÍNTESIS DE COSTO-EFECTIVIDAD Guía de Práctica Clínica Analgesia del Parto 2019

PREGUNTA: EN MUJERES EN TRABAJO DE PARTO FASE LATENTE (MENOS DE 5 CM DILATACIÓN) ¿SE DEBE “USAR ÓXIDO NITROSO” EN COMPARACIÓN A “USAR MEDIDAS NO FARMACOLÓGICAS”?

Uno de los factores a considerar para formular una recomendación en Guías de Práctica Clínica con la metodología “*Grading of Recommendations Assessment, Development and Evaluation*” es la relación entre la efectividad y los costos de las intervenciones a evaluar.

BÚSQUEDA DE EVALUACIONES ECONÓMICAS

Para determinar si la evidencia de costo-efectividad de las tecnologías sanitarias era necesaria se aplicaron los siguientes criterios en conjunto con el equipo de expertos:

- Mucha variabilidad en la práctica clínica.
- Incertidumbre relevante respecto a costo efectividad de intervenciones evaluadas.
- El cambio en la práctica clínica acarrea altos beneficios en términos de salud.
- El cambio en la práctica clínica puede tener un impacto relevante en costos y el presupuesto del sistema de salud.

La búsqueda consideró estudios de costo-efectividad y revisiones sistemáticas de evaluaciones de costo-efectividad de usar óxido nitroso versus usar medidas no farmacológicas (calor local, masaje o hidroterapia) en mujeres en trabajo de parto fase latente (menos de 5 cm dilatación). Se identificaron términos MESH y términos de texto libre asociados a la población. La búsqueda consideró estudios publicados en inglés y español, en las siguientes bases de datos: MEDLINE, EMBASE, COCHRANE, GOOGLE, BRISA y en el National Institute for Health and Care Excellence (NICE).

Ver detalle en Anexo 1 “*Términos de Búsqueda y Resultados de la búsqueda*”.

SÍNTESIS DE EVIDENCIA SEGÚN PREGUNTA

Una vez ejecutada la búsqueda, en las bases de datos mencionadas, ésta solo arrojó resultados en MEDLINE, 12 artículos, de los cuales se eliminaron 9 por lectura de títulos y abstract. Los 3 (1–3) artículos restantes fueron excluidos después de la lectura a texto completo.

Referencias

1. Bonouvrié K, van den Bosch A, Roumen FJME, van Kuijk SM, Nijhuis JG, Evers SMAA, et al. Epidural analgesia during labour, routinely or on request: a cost-effectiveness analysis. *Eur J Obstet Gynecol Reprod Biol* [Internet]. 2016 Dec;207:23–31. Available from: <https://linkinghub.elsevier.com/retrieve/pii/S0301211516308156>
2. Freeman LM, Bloemenkamp KWM, Franssen MTM, Papatsonis DNM, Hajenius PJ, van Huizen ME, et al. Remifentanyl patient controlled analgesia versus epidural analgesia in labour. A multicentre randomized controlled trial. *BMC Pregnancy Childbirth*. 2012 Jul;12:63.
3. Macario A, Scibetta WC, Navarro J, Riley E. Analgesia for labor pain: a cost model. *Anesthesiology*. 2000 Mar;92(3):841–50.

ANEXO 1: ESTRATEGIA DE BÚSQUEDA Y RESULTADOS DE LA BÚSQUEDA

	Términos libres	DECS	MeSH
P	Mujeres en trabajo de parto women in labor childbirth, birth, parturition Fase latente latent phase	Parto <ul style="list-style-type: none"> ● Birth ● Births ● Childbirth ● Childbirths ● Parturitions Trabajo de Parto <ul style="list-style-type: none"> ● Obstetric Labor 	Parturition <ul style="list-style-type: none"> ● Parturitions ● Birth ● Births ● Childbirth ● Childbirths Labor, Obstetric <ul style="list-style-type: none"> ● Obstetric Labor
I	Óxido nitroso Nitrous oxide inhalation analgesia N2O	Óxido Nitroso <ul style="list-style-type: none"> ● Nitrous Oxide 	Nitrous Oxide <ul style="list-style-type: none"> ● Oxide, Nitrous ● Laughing Gas ● Gas, Laughing ● Nitrogen Protoxide
C	Medidas no farmacológicas non-pharmacologic options, nonpharmacologic approaches, local heat treatment, massage, hydrotherapy	Analgesia Obstétrica <ul style="list-style-type: none"> ● Analgesia, Obstetric ● Obstetric Analgesia ● Obstetrical Analgesia Terapéutica <ul style="list-style-type: none"> ● Therapeutic ● Therapies ● Therapy ● Treatment ● Treatments 	Analgesia, Obstetrical <ul style="list-style-type: none"> ● Obstetrical Analgesia ● Analgesia, Obstetric ● Obstetric Analgesia Therapeutics <ul style="list-style-type: none"> ● Therapeutic ● Therapy ● Therapies ● Treatment ● Treatments
O	Cost effectiveness Cost utility Health technology assessment	Cost-Benefit Analysis <ul style="list-style-type: none"> ● Analyses, Cost Benefit ● Analyses, Cost-Benefit ● Analyses, Cost-Utility ● Analyses, Marginal ● Analysis, Cost Benefit ● Analysis, Cost-Benefit ● Analysis, Cost-Effectiveness ● Analysis, Cost-Utility ● Analysis, Marginal ● Benefits and Costs ● Cost Benefit ● Cost Benefit Analyses ● Cost Benefit Analysis ● Cost Benefit Data ● Cost Effectiveness ● Cost Effectiveness Analysis ● Cost Utility Analysis ● Cost-Benefit Analyses ● Cost-Benefit Data ● Cost-Effectiveness Analysis ● Cost-Utility Analyses ● Cost-Utility Analysis 	Cost-Benefit Analysis <ul style="list-style-type: none"> ●Analyses, Cost-Benefit ●Analysis, Cost-Benefit ●Cost-Benefit Analyses ●Cost Benefit Analysis ●Analyses, Cost Benefit ●Analysis, Cost Benefit ●Cost Benefit Analyses ●Cost Effectiveness ●Effectiveness, Cost ●Cost-Benefit Data ●Cost Benefit Data ●Data, Cost-Benefit ●Cost-Utility Analysis ●Analyses, Cost-Utility ●Analysis, Cost-Utility ●Cost Utility Analysis ●Cost-Utility Analyses ●Economic Evaluation ●Economic Evaluations ●Evaluation, Economic ●Evaluations, Economic ●Marginal Analysis

		<ul style="list-style-type: none"> ● Costs and Benefits ● Data, Cost-Benefit ● Economic Evaluation ● Economic Evaluations ● Effectiveness, Cost ● Evaluation, Economic ● Evaluations, Economic ● Marginal Analyses ● Marginal Analysis <p>Technology Assessment, Biomedical</p> <ul style="list-style-type: none"> ● Assessment, Biomedical Technology ● Assessment, Health Technology ● Assessment, Technology ● Assessments, Biomedical Technology ● Assessments, Health Technology ● Assessments, Technology ● Biomedical Technology Assessment ● Biomedical Technology Assessments ● Health Technology Assessment ● Health Technology Assessments ● Technology Assessment ● Technology Assessment, Health ● Technology Assessments ● Technology Assessments, Biomedical <p>Technology Assessments, Health</p>	<ul style="list-style-type: none"> ●Analyses, Marginal ●Analysis, Marginal ●Marginal Analyses ●Cost Benefit ●Costs and Benefits ●Benefits and Costs ●Cost-Effectiveness Analysis ●Analysis, Cost-Effectiveness ●Cost Effectiveness Analysis <p>Technology Assessment, Biomedical</p> <ul style="list-style-type: none"> ● Biomedical Technology Assessment ● Technology Assessment, Health ● Assessment, Health Technology ● Assessments, Health Technology ● Health Technology Assessment ● Health Technology Assessments ● Technology Assessments, Health ● Assessment, Biomedical Technology ● Assessments, Biomedical Technology ● Biomedical Technology Assessments ● Technology Assessments, Biomedical ● Technology Assessment ● Assessment, Technology ● Assessments, Technology <p>Technology Assessments</p>
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Base de datos	Fecha de búsqueda	Resultados	Resultados después de remover duplicados
Medline-Pubmed	18-10-2019	12	12
EMBASE	16-10-2019	0	0
NICE	23-10-2019	0	0
BRISA (RedETSA)	21-10-2019	0	0
COCHRANE	23-10-2019	0	0
GOOGLE	23-10-2019	0	0
Total			12

Estrategias de Búsqueda

PUBMED

Número	Términos de búsqueda	Resultados
1	Search (((((women in labor[Title/Abstract]) OR childbirth[Title/Abstract]) OR birth[Title/Abstract]) OR latent phase[Title/Abstract]) OR parturition[MeSH Terms]) OR labor, obstetric[MeSH Terms]	387666
2	Search (((Nitrous oxide[Title/Abstract]) OR N2O[Title/Abstract]) OR analgesia[Title/Abstract]) OR nitrous oxide[MeSH Terms]	86041
3	Search ((((((non-pharmacologic[Title/Abstract]) OR nonpharmacologic[Title/Abstract]) OR local heat treatment[Title/Abstract]) OR massage[Title/Abstract]) OR hydrotherapy[Title/Abstract]) OR analgesia, obstetrical[MeSH Terms]) OR therapeutics[MeSH Terms]	4440139
4	Search ((((((Cost effectiveness[Title/Abstract]) OR Cost-effectiveness[Title/Abstract]) OR Cost-utility[Title/Abstract]) OR Cost utility[Title/Abstract]) OR Health technology assessment[Title/Abstract]) OR Cost-Benefit Analysis[MeSH Terms]) OR technology assessment, biomedical[MeSH Terms]	116869
5	Search (((#1) AND #2) AND #3) AND #4	12

EMBASE

Número	Términos de búsqueda	Resultados
1	exp birth/	25061
2	exp labor/	34277
3	female/ or pregnancy outcome/ or labor/	8643775
4	latent phase.ab. or latent phase.ti. or women in labor.ab. or women in labor.ti. or parturition.ti. or parturition.ab. or birth.ti. or birth.ab.	373472
5	1 or 2 or 3 or 4	8805076
6	exp nitrous oxide/	32664
7	Nitrous Oxide.ab. or Nitrous Oxide.ti.	16848
8	6 or 7	36840
11	(cost effectiveness or cost utility or economic evaluation or health technology assessment).ab. or cost effectiveness.ti. or cost utility.ti. or economic evaluation.ti. or health technology assessment.ti. or cost effectiveness analysis.sh. or biomedical technology assessment.sh.	188987
14	massage/	13537
15	hydrotherapy/	3622
16	heat treatment/	10302
17	thermotherapy/	2239
18	heat treatment/	10302
19	massage.ab. or massage.ti. or hydrotherapy.ab. or hydrotherapy.ti. or heat treatment.ti. or heat treatment.ab. or non-pharmacologic.ti. or non-pharmacologic.ab. or nonpharmacologic.ab. or nonpharmacologic.ti.	33055
20	14 or 15 or 16 or 17 or 18 or 19	49257
21	5 and 8 and 11 and 20	0

NICE

Término de búsqueda: labour, luego se aplicó filtro "Technology appraisal guidance"

No se encontraron resultados relevantes a la pregunta.

BRISA

Término de búsqueda: parto

No se encontraron resultados relevantes a la pregunta.

COCHRANE

Número	Términos de búsqueda	Resultados
11	("cost effectiveness analyses"):ti,ab,kw OR ("cost effectiveness analysis"):ti,ab,kw OR ("cost effectiven*"):ti,ab,kw OR ("cost-effectiven*"):ti,ab,kw OR ("health technology assessment"):ti,ab,kw	11198
12	("childbirth pain"):ti,ab,kw OR ("parturient"):ti,ab,kw OR ("obstetric pain"):ti,ab,kw	544
13	MeSH descriptor: [Labor, Obstetric] explode all trees	2269
14	MeSH descriptor: [Nitrous Oxide] explode all trees	1421
15	("nitrous oxide"):ti,ab,kw OR (N2O):ti,ab,kw OR (analgesia):ti,ab,kw OR (Nitrous oxide inhalation):ti,ab,kw	39937
16	("non-pharmacological"):ti,ab,kw OR ("non-pharmacologically"):ti,ab,kw OR (non-pharmacologic):ti,ab,kw OR ("massage"):ti,ab,kw OR ("heat-treatment"):ti,ab,kw	7583
17	(hydrotherapy):ti,ab,kw OR ("hydro-thermal"):ti,ab,kw OR ("massage therapy"):ti,ab,kw	1145
18	#12 or #13	2757
19	#14 or #15	39937
20	#16 or #17	7993
21	#18 and #19 and #20 and #11	0

GOOGLE

Términos de búsqueda: "Nitrous Oxide" woman in labour cost effectiveness

No se encontraron resultados relevantes a la pregunta.