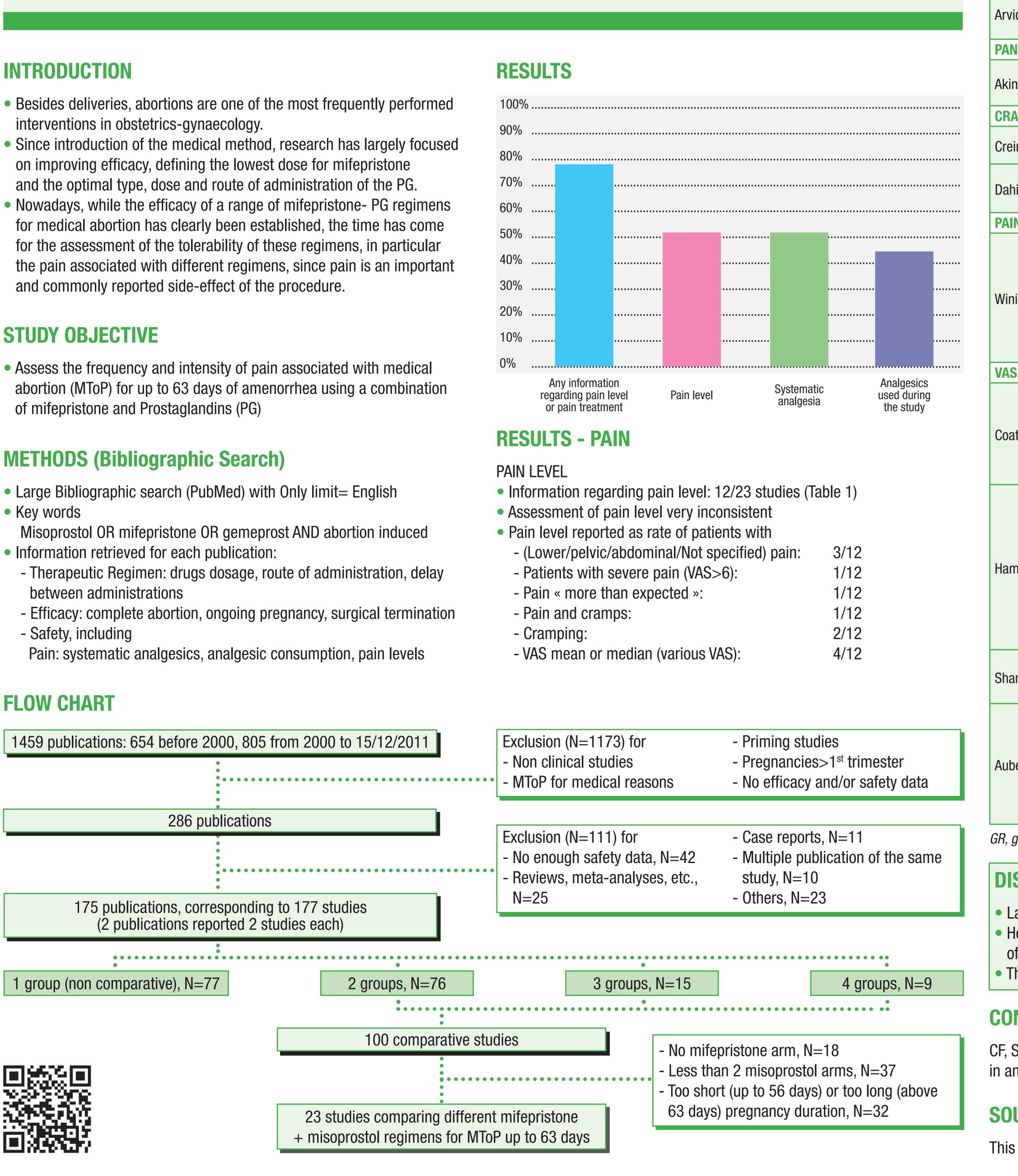
PAIN DURING MEDICAL ABORTION A neglected issue?

¹ San Filippo Neri Hospital, Rome, Italy, ² Gynmed Clinic, Vienna, Austria, ³ Chalmers Centre, NHS Lothian, Scotland, ⁴ Obstetric Service, Centro Hospitalar e Universitário de Coimbra. Portugal, ⁵ Department of Women's and Children's Health, Division of Obstetrics and Gynecology, Karolinska Institutet and Karolinska University Hospital, 171 76 Stockholm, Sweden, ⁶ Altius Pharma CS, Paris, France

- interventions in obstetrics-gynaecology.
- on improving efficacy, defining the lowest dose for mifepristone
- for medical abortion has clearly been established, the time has come for the assessment of the tolerability of these regimens, in particular and commonly reported side-effect of the procedure.

of mifepristone and Prostaglandins (PG)

- between administrations



Mirella Parachini,¹ Christian Fiala,² Sharon Cameron,³ Teresa Bombas,⁴ Kristina Gemzell-Danielsson,⁵ Laurence Saya,⁶

TABLE 1: INFORMATION REGARDING PAIN LEVEL (12/23 studies)

First author, year of publication	Study period	Methodology	Gestation	GR	N	Mife- pristone (mg)	Misoprostol		
							Route	Dose	Pain level
PAIN						,			
El-Refaey, 1994	<1994	Prospective, randomised study	≤56 days	GR1	75	200	Oral	800 µg	36% experienced abdominal pain
				GR2	75	200	Oral	400 µg	39% experienced abdominal pain
Raghavan, 2009	2005-2006	Prospective, randomised, comparative	≤63 days	GR1	240	200	Oral	400 µg	34%
				GR2	240	200	Sublingual	400 µg	35%
WHO, 2000	<2000	Prospective, randomised, double-blind, controlled, multicentre study	Menstrual delay ≤35 days	GR1	792	200	Oral	400 µg	85% lower abdominal pain
				GR2	797	600	Oral	400 µg	86% lower abdominal pain
SEVERE PAIN (VAS	S)								
		Prospective, randomised, open, pilot study	≤49 days	GR1	48	600	Oral	400 µg	21% (VAS>6)
Arvidsson, 2005	<2005			GR2	49	600	Vaginal	800 µg	24% (VAS>6)
PAN AND CRAMPS	S	photocody					5		
		Prospective, open,		GR1	46	200	Sublingual	400 µg	85% experienced pain and cramps
Akin, 2009	2004-2005	multicentre study	≤56 days	GR2	161	200	Oral	400 µg	58% experienced pain and cramps
CRAMPING									
Creinin, 2001	<2001	Prospective, randomised study	≤49 days	GR1	40	100	Oral	400 µg	90% reported cramping
				GR2	40	100	Vaginal	800 µg	100% reported cramping
Dahiya, 2011 <	0011	Prospective, open, randomised, comparative study	≤56 days	GR1	48	200	Sublingual	400 µg	25% experienced cramping
	<2011			GR2	45	200	Oral	400 µg	33% experienced cramping
PAIN assessed by	the women	as MORE severe THAN EX	PECTED						
Winikoff, 2008	2006-2007	Prospective, open, randomised, multicentre study	≤ 63 days	GR1	426	200	Oral	800 µg; 2nd dose in case of nonviable pregnancy at 7-14 days	26% found pain more than expected
				GR2	421	200	Buccal	800 µg; 2nd dose in case of nonviable pregnancy at 7-14 days	30% found pain more than expected
VAS					,				
Coati, 2007	2004-2005	Prospective, randomised, double-blind, multicentre study	≤8 weeks	GR1	147	200	Oral	400 µg	15% experienced moderate or severe cramping on day 4 2.59 (mean pain score on a 5-point VAS
				GR2	150	200	Oral	800 µg	24% experienced moderate or severe cramping on day 4 2.6 (mean pain score on a 5-point VAS)
Hamoda, 2003	<2003	Prospective, comparative study	≤63 days	GR1	149	200	Sublingual	600 µg	50 (median;VAS): Overall pain experienced; 63 (median;VAS): Most severe pain experienced; 64 (median;VAS): Pain relief following analgesia use
				GR2	96	200	Vaginal	800 µg	46 (median;VAS): Overall pain experienced; 58 (median;VAS): Most severe pain experienced; 45 (median;VAS): Pain relief following analgesia use
Shannon, 2006	2001	Prospective, comparative, randomised, open-label study	≤56 days	GR1	319	200	Oral	400 µg	5.8 (0-10cm VAS)
				GR2	319	200	Oral	600 µg	6 (0-10cm VAS)
Aubeny, 2000	1996-1997	Prospective, open, randomised, controlled study	≤49 days	GR1	119	600	Oral	400 μg; 2nd dose of 400 μg if no abortion	39mm (100mm VAS) after 1 st dose misoprostol; 44mm (100mm VAS) after 2nd dose misoprostol
				GR2	118	600	Vaginal	400 μg; 2nd dose of 400 μg if no abortion	44mm (100mm VAS) after 1 st dose misoprostol; 34mm (100mm VAS) after 2nd dose misoprostol

GR, group; VAS, visual analogue scale

DISCUSSION AND CONCLUSION

- Large work was performed
- However, it is very difficult to draw any conclusion regarding pain out of this data
- There is a need for standardised assessment of pain in MToP

CONFLICTS OF INTEREST

CF, SC, TCB, KG, MP, LS received honoraria from Exelgyn for participating in an independent expert board.

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