

**Results from a large cross-sectional assessing *Chlamydia trachomatis*,
Ureaplasma spp. and *Mycoplasma hominis* urogenital infections in
patients with primary infertility.**

Daniela A. Paira ¹, Guillermo Molina ², Andrea Tissera ³, Carolina Olivera ¹,
Rosa I. Molina ³, Ruben D. Motrich ^{1*}.

¹ Centro de Investigaciones en Bioquímica Clínica e Inmunología (CIBICI-
CONICET), Facultad de Ciencias Químicas, Universidad Nacional de Córdoba,
5016, Córdoba, Argentina.

² Servicio de Urología y Andrología. Hospital Privado Universitario de Córdoba,
5016, Córdoba, Argentina.

³ Laboratorio de Andrología y Reproducción (LAR), 5000, Córdoba, Argentina.

* Corresponding author: Ruben D. Motrich. CIBICI-CONICET. Facultad de
Ciencias Químicas. Universidad Nacional de Córdoba. Haya de la Torre y
Medina Allende. Ciudad Universitaria. Córdoba. X5016HUA. Argentina.

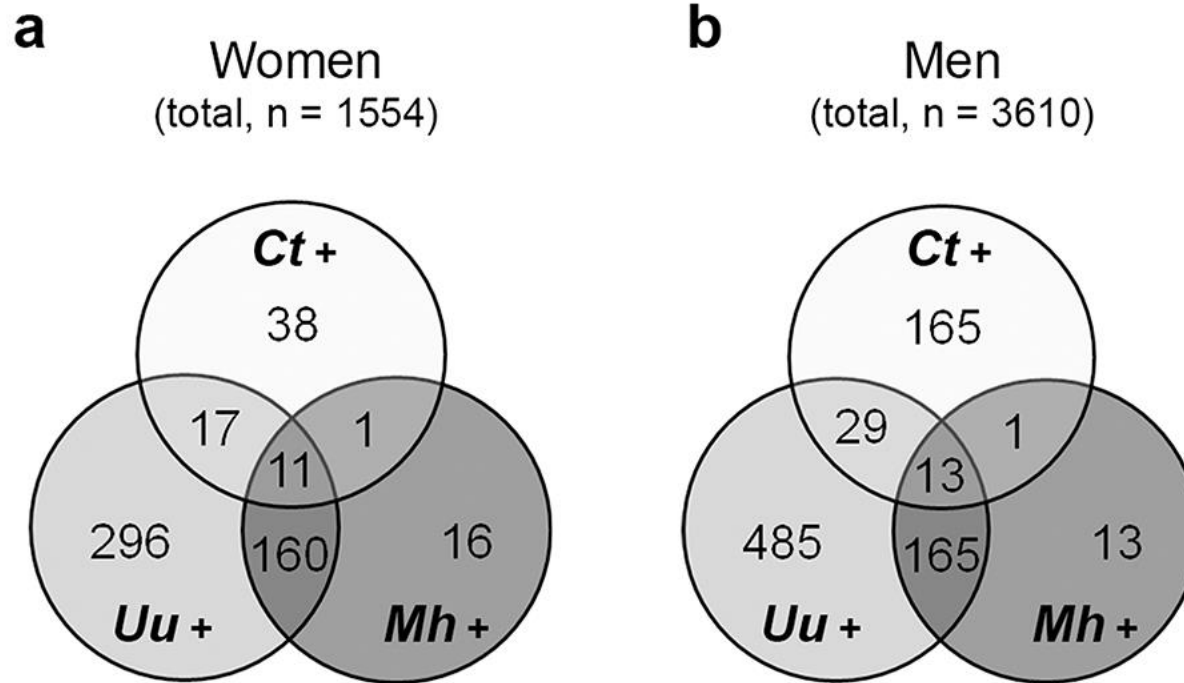
Phone: +54-351-535-3882 ext. 3152. E-mail: rmotrich@unc.edu.ar

<https://orcid.org/0000-0002-5772-1285>

Supplementary Table S1. Multivariate analysis of risk factors for *C. trachomatis*, *Ureaplasma* spp. or *M. hominis* urogenital infection in patients with couple's primary infertility

Variables	<i>C. trachomatis</i> infection						<i>Ureaplasma</i> spp. infection					<i>M. hominis</i> infection				
	n	Positive	Negative	Odds ratio	95% CI	<i>p</i>	Positive	Negative	Odds ratio	95% CI	<i>p</i>	Positive	Negative	Odds ratio	95% CI	<i>p</i>
Age (yo)																
> 40	1404	89	1315	1.00 (referent)			276	1128	1.00 (referent)			97	1307	1.00 (referent)		
40 - 25	3587	167	3420	0.75	0.57-0.98	0.036 *	838	2749	1.20	1.01-1.43	0.046 *	269	3318	0.84	0.64-1.11	0.228
< 25	173	19	154	1.91	1.13-3.24	0.016 *	62	111	2.38	1.64-3.45	<0.001 *	14	159	0.51	0.27-0.96	0.039 *
Sex																
Women	1554	67	1487	1.00 (referent)			484	1070	1.00 (referent)			188	1366	1.00 (referent)		
Men	3610	208	3402	1.38	1.03-1.84	0.030 *	692	2918	0.64	0.54-0.74	<0.001 *	192	3418	0.57	0.44-0.71	<0.001 *
Infection																
<i>C. trachomatis</i>																
Negative	4889	-	-				1106	3783	1.00 (referent)			354	4535	1.00 (referent)		
Positive	275	-	-				70	205	1.10	0.80-1.53	0.548	26	249	1.27	0.78-2.06	0.340
<i>Ureaplasma</i> spp.																
Negative	3988	205	3783	1.00 (referent)			-	-				31	3957	1.00 (referent)		
Positive	1176	70	1106	1.10	0.79-1.53	0.560	-	-				349	827	51.53	35.70-75.08	<0.001 *
<i>M. hominis</i>																
Negative	4784	249	4535	1.00 (referent)			827	3957	1.00 (referent)			-	-			
Positive	380	26	354	1.33	0.82-2.16	0.247	349	31	51.57	35.39-75.13	<0.001 *	-	-			

95%CI: 95% confident interval. A **p*<0.05 was considered statistically significant.



Supplementary Figure S1: Representative scheme of *C. trachomatis*, *Ureaplasma* spp. and *M. hominis* infections and co-infections in patients with couple's primary infertility. Venn diagrams represent three main groups that correspond to the uropathogens analyzed: *C. trachomatis* (Ct), *Ureaplasma* spp. (Uu) and *M. hominis* (Mh). The unions of the sets symbolize the presence of the respective co-infections. Data are shown as number of female (a) and male (b) patients.