

## Supplementary Material

**Table S1.** Network of diagnostic centres for the surveillance of tegumentary leishmaniasis, Emilia-Romagna region (northeastern Italy), 2017-2020.

Diagnostic Unit	Hospital Name	Number of cases
Piacenza	Azienda USL di Piacenza-Ospedale Civile Piacenza	1
Parma	Azienda Ospedaliero-Universitaria di Parma	13
Reggio Emilia	Azienda USL- IRCCS Reggio Emilia-Arcispedale Santa Maria Nuova	10
Modena	Azienda Ospedaliero-Universitaria Policlinico di Modena	40
Bologna	IRCCS/Azienda Ospedaliero-Universitaria di Bologna	35
Ferrara	Azienda Ospedaliero-Universitaria di Ferrara	0
Ravenna	Azienda USL della Romagna-Ospedale di Ravenna	5
Forlì	Azienda USL della Romagna-Ospedale Morgagni Forlì	6
Cesena	Azienda USL della Romagna-Ospedale Bufalini di Cesena	12
Rimini	Azienda USL della Romagna-Ospedale di Rimini	13
Total number of cases, 2017-2020		135

**Table S2.** Primers and probes employed for molecular diagnosis of tegumentary leishmaniasis (real-time PCR).

Gene target	Primer sequences	Probe sequences
	(Forward-Reverse)	
Small-subunit ribosomal RNA (rRNA) gene	5'-AAGTGCTTTCCCATCGCAACT-3' 5'-GACGCACTAAACCCCTCCAA-3'	5'-FAM- CGGTTTCGGTGTGTGGCGCC-3'
Kinetoplast (k)DNA	5'-CTTTTCTGGTCCTCCGGGTAGG-3' 5'-CCACCCGGCCCTATTTTACACCAA-3'	5'-FAM- TTTTCGCAGAACGCCCTACC CGC-3'
$\beta$ 2-microglobulin (housekeeping gene)	5'-TGAGTATGCCTGCCGTGTGA-3' 5'-ACTCATACACAACCTTTCAGCAGCTTAC-3'	5'- FAM- CCATGTGACTTTGTCACAGCC CAAGATAGTT-3'

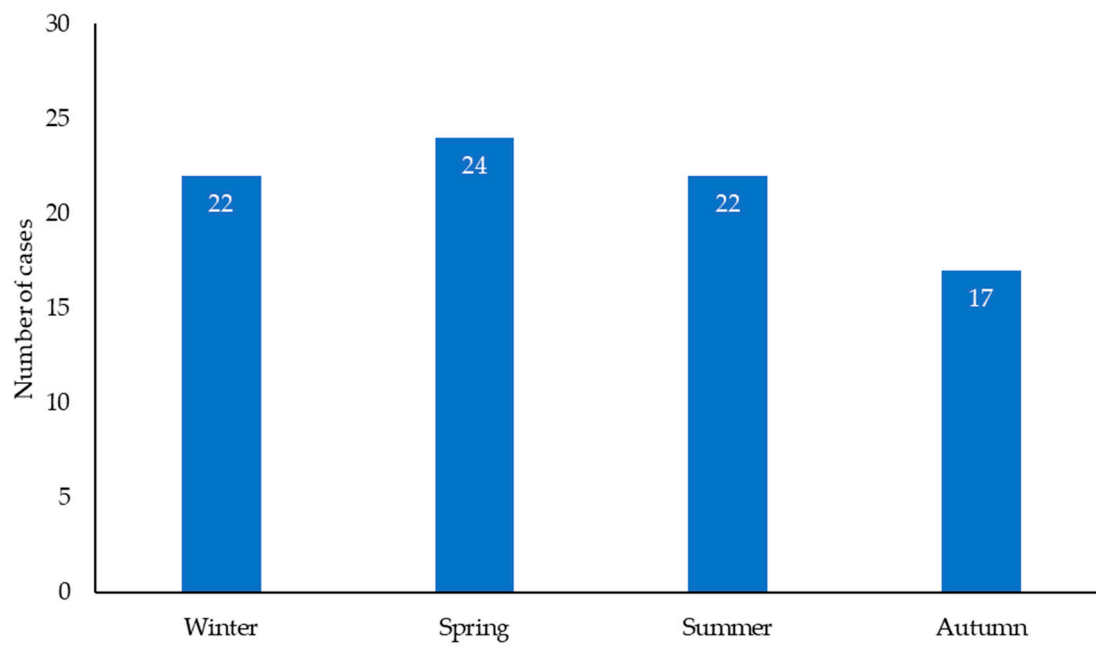
**Table S3.** Delay in the diagnosis and notification status of tegumentary leishmaniasis cases in the Emilia-Romagna region (northeastern Italy) (n=92).

Lesion onset/diagnosis time gap	Public health notification		Total cases (%)
	yes	no	
<= 1 month	9	0	9 (10%)
1-3 months	11	4	15 (16%)
3-6 months	26	6	32 (35%)
6-12 months	28	2	30 (33%)
>12 months	6	0	6 (7%)
Total	80	12	92 (100%)

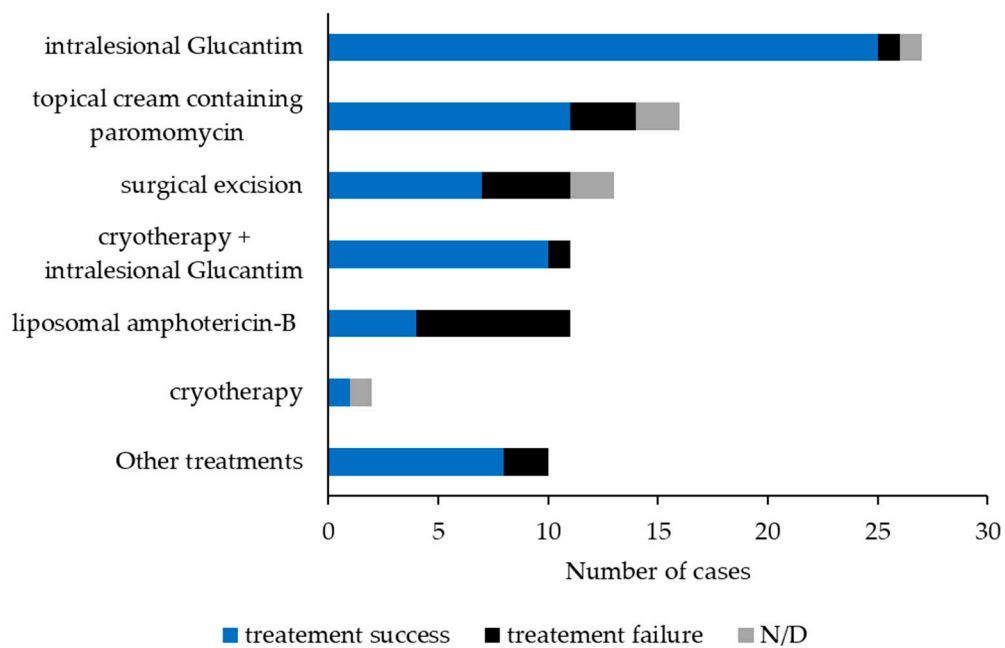
**Table S4.** Diagnosis of tegumentary leishmaniasis by histology (n=118) and/or by PCR (n=103).

		<b>Histology</b>			<b>Total</b>
		<b>Amastigotes +</b>	<b>Amastigotes -</b>	<b>Not done</b>	
<b>Molecular diagnosis</b>	PCR+	57	26	17*	100
	PCR-	3	0	0	3
	Not done	32	0	0	32
Total		92	26	17	

\*11 out of 17 cases were not reported to the public health service.



**Figure S1.** Seasonal distribution of tegumentary leishmaniasis based on lesions onset. Data on lesion onset were available for n= 85 TL cases.



**Figure S2.** Treatment failure in different therapeutic approaches for n=84 cases of tegumentary leishmaniasis in the Emilia-Romagna region, northeastern Italy, 2017-2020. ND; not defined