

Comparative Studies on the Anti-Inflammatory and Apoptotic Activities of Four Greek Essential Oils: Involvement in the Regulation of NF- κ B and Steroid Receptor Signaling

Figure S4: Representative images used in western blot analysis

Figure 4A. GR-PEPCK films

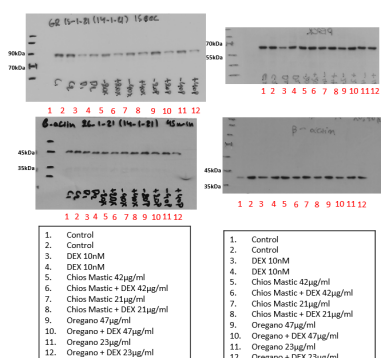


Figure 6A. p65 films

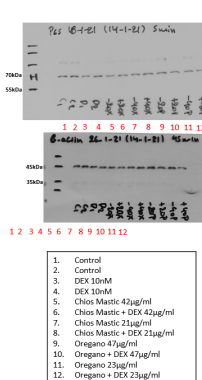


Figure 7A. procasp-3 films

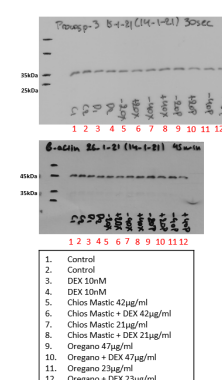


Figure 4A-6A & 7A Procasp-3, GR, p65	Densitometry readings			
	Procasp-3	GR	p65	β -actin
Control	9304	12758	8594	7800
Control	9997	13737	9778	8801
DEX 10nM	6670	3015	6343	7421
DEX 10nM	7844	6497	8150	8756
Chios Mastic 42 μ g/ml	7204	8759	5466	7655
Chios Mastic + DEX 42 μ g/ml	7301	4359	5640	6045
Chios Mastic 21 μ g/ml	9041	9276	6176	7555
Chios Mastic + DEX 21 μ g/ml	10674	7734	9337	8976
Oregano 47 μ g/ml	10809	13261	9869	12094
Oregano + DEX 47 μ g/ml	7245	5197	5459	9055
Oregano 23 μ g/ml	8940	13698	6264	8807
Oregano + DEX 23 μ g/ml	7457	3993	6803	5900

Figure 4A-6A & 7A Procasp-3, GR, p65	Relative protein levels (protein densitometry readings/ β -actin densitometry readings)		
	Procasp-3	GR	p65
Control	1.192821	1.635641	1.101795
Control	1.135894	1.560845	1.11101
DEX 10nM	0.898801	0.406279	0.854737
DEX 10nM	0.895843	0.742005	0.93079
Chios Mastic 42 μ g/ml	0.941084	1.144219	0.714043

Chios Mastic + DEX 42µg/ml	1.207775	0.721092	0.933002
Chios Mastic 21µg/ml	1.196691	1.227796	0.817472
Chios Mastic + DEX 21µg/ml	1.189171	0.861631	1.040218
Oregano 47µg/ml	0.893749	1.096494	0.816024
Oregano + DEX 47µg/ml	0.80011	0.573937	0.602871
Oregano 23µg/ml	1.015102	1.555354	0.711252
Oregano + DEX 23µg/ml	1.263898	0.67678	1.153051

Figure 4A-6A & 7A Procasp-3,GR,p65	Ratio (Relative sample protein levels/Relative control protein levels)		
	Procasp-3	GR	p65
Control	1	1	1
Control	1	1	1
DEX 10nM	0.8	0.2	0.8
DEX 10nM	0.8	0.5	0.8
Chios Mastic 42µg/ml	0.8	0.7	0.6
Chios Mastic + DEX 42µg/ml	1	0.4	0.8
Chios Mastic 21µg/ml	1	0.8	0.7
Chios Mastic + DEX 21µg/ml	1	0.5	0.9
Oregano 47µg/ml	0.7	0.7	0.7
Oregano + DEX 47µg/ml	0.7	0.4	0.5
Oregano 23µg/ml	0.9	1	0.6
Oregano + DEX 23µg/ml	1	0.4	1

PEPCK	Densitometry readings	
	PEPCK	β-actin
Control	8409	1965
Control	9875	12202
DEX 10nM	5526	7182
DEX 10nM	7918	10030
Chios Mastic 42µg/ml	8162	10554
Chios Mastic + DEX 42µg/ml	8347	8305
Chios Mastic 21µg/ml	8182	8801
Chios Mastic + DEX 21µg/ml	6996	6474
Oregano 47µg/ml	9515	10210
Oregano + DEX 47µg/ml	7981	9398
Oregano 23µg/ml	8896	9498
Oregano + DEX 23µg/ml	9563	6791

PEPCK Figure 4A	Relative protein levels (protein densitometry readings/β-actin densitometry readings)
	PEPCK

Control	0.809294
DEX 10nM	0.769424
DEX 10nM	0.789432
Chios Mastic 42µg/ml	0.773356
Chios Mastic + DEX 42µg/ml	1.005057
Chios Mastic 21µg/ml	0.929667
Chios Mastic + DEX 21µg/ml	1.08063
Oregano 47µg/ml	0.931929
Oregano + DEX 47µg/ml	0.849223
Oregano 23µg/ml	0.936618
Oregano + DEX 23µg/ml	1.408187

PEPCK Figure 4A	Ratio (Relative sample protein levels/Relative control protein levels)
	PEPCK
Control	1
DEX 10nM	1
DEX 10nM	1
Chios Mastic 42µg/ml	1
Chios Mastic + DEX 42µg/ml	1.2
Chios Mastic 21µg/ml	1
Chios Mastic + DEX 21µg/ml	1.3
Oregano 47µg/ml	1.2
Oregano + DEX 47µg/ml	1
Oregano 23µg/ml	1.2
Oregano + DEX 23µg/ml	1.7

Figure 4B. GR-PEPCK films

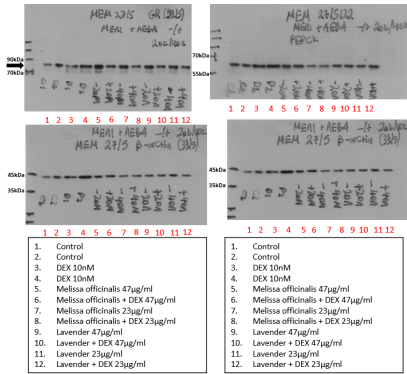


Figure 6B. p65 films

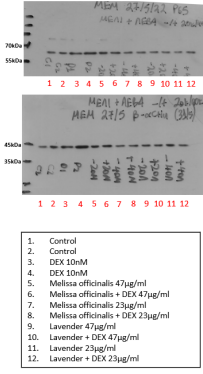


Figure 7B. Procasp-9 & Procasp-3 films

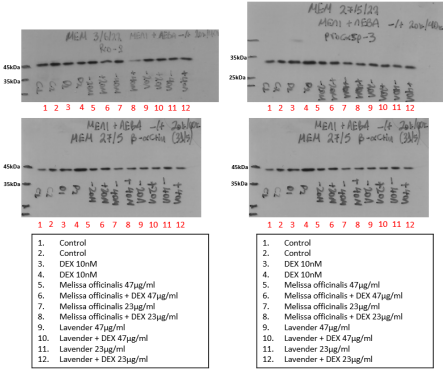


Figure 4B-6B & 7B GR, PEPCK, Procasp-3, Procasp-9, p65	Densitometry readings					
	GR	PEPCK	Procasp-3	Procasp-9	p65	b-actin
Control	8517	7724	6302	10244	7276	6417
Control	9835	8680	7136	11523	8177	7584

DEX 10nM	7754	14809	8841	12748	11433	10641
DEX 10nM	10378	13787	10049	14438	12102	12050
Melissa Officinalis 47µg/ml	8318	7540	6153	10950	13683	9647
Melissa Officinalis + DEX 47µg/ml	5541	14753	7189	7087	8328	9799
Melissa Officinalis 23µg/ml	7112	6804	4489	8581	10942	8389
Melissa Officinalis + DEX 23µg/ml	4118	5937	4678	4149	7134	7411
Lavender 47µg/ml	7471	6178	6014	8616	5527	7501
Lavender + DEX 47µg/ml	5157	8457	6289	9282	5889	6107
Lavender 23µg/ml	7392	7414	5966	8944	5127	5894
Lavender + DEX 23µg/ml	5598	8512	5781	7686	6684	5619

Figure 4B-6B & 7B GR, PEPCK, Procasp-3, Procasp-9, p65	Relative protein levels (protein densitometry readings/ β -actin densitometry readings)				
	GR	PEPCK	Procasp-3	Procasp-9	P65
Control	1.327256	1.203678	0.982079	1.596385	1.133863
Control	1.296809	1.144515	0.940928	1.519383	1.078191
DEX 10nM	0.728691	1.391693	0.830843	1.198008	1.074429
DEX 10nM	0.861245	1.144149	0.833942	1.198174	1.004315
Melissa Officinalis 47µg/ml	0.862237	0.78159	0.637815	1.135068	1.418368
Melissa Officinalis + DEX 47µg/ml	0.565466	1.505562	0.733646	0.723237	0.849883
Melissa Officinalis 23µg/ml	0.847777	0.811062	0.535105	1.022887	1.304327
Melissa Officinalis + DEX 23µg/ml	0.555661	0.801106	0.631224	0.559843	0.962623
Lavender 47µg/ml	0.996001	0.823624	0.80176	1.148647	0.736835
Lavender + DEX 47µg/ml	0.844441	1.384804	1.029802	1.519895	0.964303
Lavender 23µg/ml	1.254157	1.257889	1.012216	1.517475	0.869868
Lavender + DEX 23µg/ml	0.996263	1.51486	1.028831	1.367859	1.189536

Figure 4B-6B & 7B GR, PEPCK, Procasp-3, Procasp-9, p65	Ratio (Relative sample protein levels/Relative control protein levels)				
	GR	PEPCK	Procasp-3	Procasp-9	P65
Control	1	1	1	1	1
Control	1	1	1	1	1
DEX 10nM	0.5	1.2	0.8	0.8	0.9
DEX 10nM	0.6	1	0.8	0.8	0.9
Melissa Officinalis 47µg/ml	0.6	0.6	0.6	0.7	1.3
Melissa Officinalis + DEX 47µg/ml	0.4	1.3	0.7	0.5	0.7
Melissa Officinalis 23µg/ml	0.6	0.7	0.5	0.6	1.2
Melissa Officinalis + DEX 23µg/ml	0.4	0.7	0.6	0.4	0.8
Lavender 47µg/ml	0.8	0.7	0.8	0.7	0.6
Lavender + DEX 47µg/ml	0.6	1.2	1	1	0.9
Lavender 23µg/ml	0.9	1	1	1	0.8
Lavender + DEX 23µg/ml	0.8	1.3	1	0.9	1