

Pattern of Skin Diseases in Qatar: Pat Two

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Abstract:

A decade ago the pilot study (Part-I) was done which explored the outline of different patterns of cutaneous disorders in Qatar. The current study revised the changes that took place in the last ten years. In addition more detailed information were investigated and by the aid of the new database implemented by HMC in August 2001. Several changes were reported, though the number of visits was almost equal; the rank of the most presenting diseases has been changed. Even within the same category, minor changes were noticed that reflected the change in lifestyle, social and financial updates. It can be concluded that the incidence, distribution and other disease determinants are insidiously and continuously changing and it is useful to report these changes in order to provide a better service for the patient and a fruitful field for investigators.

In the present survey the dermatology outpatient visits represented an average of 6.27% of the total patient visits to HMC (Table-1). This figure was 10.5% in the pilot study of pattern of skin diseases in Qatar in the years (1990 – 1992).⁽¹⁾

The present survey covered 32295 outpatient files and nearly 427 diseases. The study revealed that the first 12 diseases covered 63.02% of the grand total and these diseases are shown in table-23 and the results are compared with those of the pilot study.⁽¹⁾

The results are:

1- Acne	11.12%
2- Atopic Dermatitis	9.77%
3- Seborrhoeic Dermatitis	5.84%
4- Allergic Contact Dermatitis	5.83%
5- Non-scarring alopecia	5.1%
6- Fungal Infections	4.4%
7- Viral Warts	4.33%
8- The Urticarias	3.8%
9- Psoriasis	3.6%
10- Post Inflammatory Hyperpigmentation	3.57%
11- Chronic Eczema	3.2%
12- Melasma	2.46%
Total =	63.02%

Introduction:

Hamad Medical Corporation (HMC) in Doha-Qatar includes the following Hospitals.

- 1- Hamad General Hospital (HGH)
- 2- Women's Hospital
- 3- Rumailah Hospital
- 4- Psychiatric Hospital
- 5- Al-Amal Hospital for Oncology
- 6- The Children's urgent call (PEC)

HMC is giving service to a population of 744029 according to the census of 2004.

Patients and Method:

Files of patients seen in the Dermatology and Venereology Department, HMC from first of January till 31st of December 2002 were surveyed by Computer system. Only the first visit for each patient during the year 2002 is recorded. Repeated visits of the same patients for the same disease or other diseases were excluded.

The data collected included:

- Age
- Sex
- Nationality as -
 - Qataris (Q) and
 - Non-Qataris (NQ).

The diseases recorded were classified according to International Classification of Diseases (ICD-10). The diseases were again re-tabulated into 15 main groups which were further sub-classified into specific diseases or groups of diseases.

The total numbers of patient's visits to HMC were obtained from 2004 HMC Annual Health Report⁽²⁾ and the results obtained were compared with similar data from some parts of the Gulf area.

Results and Discussion:

The H.M.C. Health Report done in the year 2004 covered informations from the year 1997 till 2004. From this report the percentage of skin outpatient visits related to the total patient visits in H.M.C. with all its institutions varied between 5 to 7% with an average of 6.27% as shown in table-1. This table also shows the same information from the years 1990 till 1992 where the percentage of skin outpatient visits was 10.5% in the pilot study.⁽¹⁾ This drop in

the percentage from 10.5% to an average of 6.27% in 2002 could be due to the increase in the number of institutions and consequently the increase in the number of total outpatient visits to HMC as an example the number of outpatient visits to the hospitals of HMC in 1990 was 736824 ⁽¹⁾ while in the year 2004 this number was (1404430) showing an increase of 90.61% while the skin outpatient visits are nearly the same (Table-1).

The total number of patient files surveyed in 2002 was 32295 with Male Q represent 20.8%, Female Q 45.2%, Male NQ 17.6% and Female NQ 16.4% (Table-2).

The pattern of age incidence is shown in tables (3) and (4) with highest incidence in the age group 11-20 (19.9%), 21-30 years (21.1%) and age group 31-40 (21%) and the male to female ratio averaged 5:8 (Table-5).

Tables 6 to 20 show the main disease groups and are summarized and put into 15 main disease groups in Table-21.

Table-21 shows that:

- 1- The Eczema dermatitis group in table (6) included 9393 patients who represented 30.3% of the grand total surveyed (GTS).
- 2- Diseases of skin appendages in table (7) amounted to 7836 patients and represented 24.3% of the GTS.
- 3- Infections and parasitic diseases in tables (8, 8-A, 8-B, 8-C, 8-E) amounted to 4326 patients who represent 13.4% of the GTS.
- 4- The pigmentary disorders in table (9) amounted to 3129 patients who represent 9.7% pf GTS.
- 5- Skin hypertrophic conditions in table (10) amounted to 1798 cases who represent 5.57% of GTS
- 6- Papulosquamous diseases in table (11) and their number amounted to 1765, which represents 5.5% of GTS.
- 7- The urticarias and erythemas in table (12) with a total number of 1722 patients who represent 5.33% of GTS.
- 8- Skin atrophies in table (13) represent 0.96% of GTS
- 9- Genitourinary tract diseases in table (14) represent 0.36% of GTS.
- 10- Connective tissue disorders represent 0.36% of GTS

- 11- Congenital malformations and genodermatoses in table (16) represent 0.35% of GTS.
- 12- Perforating diseases and granulomas and chronic skin ulcers in table (17) represent 0.3% of GTS.
- 13- Skin and mucous membrane affection in relation to gastro-intestinal tract in table (18) represent 0.28% of GTS.
- 14- Inflammation of genitourinary tract in females and some skin conditions related to pregnancy in table (19) represent 0.24%.
- 15- Bullous diseases in table (20) and represent 0.18%.

The number surveyed under the fifteen specific skin groups amounted to 31351, which represents 97.13 of GTS. The remaining number of 944 (2.9%) of GTS are included under Miscellaneous conditions and were classified under 50 items in a separate attached list.

Miscellaneous Conditions:

- 1- General medical examination
- 2- Asking for medical certificate
- 3- Follow-up observations
- 4- Special screening for bacterial and parasitic diseases
- 5- Family history of specific conditions
- 6- Personal history of malignancy
- 7- Personal history of metabolic and endocrine disease
- 8- Behavioral disorders
- 9- History of cardiovascular diseases
- 10- History of respiratory diseases
- 11- Surgical dressing
- 12- Ear piercing
- 13- Counseling for sexual behavior
- 14- Fear of diseases
- 15- Asking about results of investigations
- 16- Breast hypertrophy
- 17- Abnormal heart beats
- 18- Superficial injury
- 19- Epistaxis
- 20- Haemorrhage from throat
- 21- Abnormal pain
- 22- Parasthesia
- 23- Head lump

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| 24- Unspecified lumps | 39- Female infertility |
| 25- Ecchymosis | 40- Neonatal edema |
| 26- Abnormal blood finding without diagnosis | 41- Abnormal findings of body fluid, blood and tissue without specific diagnosis |
| 27- Polyurea | 42- Synovial cyst |
| 28- Unspecified urine finding | 43- Painful limb |
| 29- Localized edema | 44- Breast edema |
| 30- Nephritic syndrome | 45- Pain of genital urea |
| 31- Infection at site of transfusion | 46- Enlarged lymph glands of no specific site or diagnosis |
| 32- Foreign body | 47- Painful micturition |
| 33- Sharp instrument piercing skin | 48- Non-specific undiagnosed rash |
| 34- Exposure to non-ionizing radiation | 49- Changes of skin texture |
| 35- Fever with no specific diagnosis | 50- Scratches |
| 36- Irregular menstruation | |
| 37- Dorsalgia | |
| 38- Cyst of vulva | |
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References:

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TABLE – I

Year	Number of Visits to Hamad Medical Corporation	Number of Skin Patient Visits	Percentage to Total Seen each Year
1997	1240106	77985	6.3%
1998	1195547	84243	7%
1999	1052276	72532	7%
2000	1069205	74639	6.98%
2001	1186290	73081	6.16%
2002	1253576	76995	6.14
2003	1265106	72022	5.7%
2004	1404430	69696	5%
For Comparison			

1990	736824	84520	11.47	Average 10.6%
1992	760006	85796	11.3	
1993	880847	79751	9.04	

TABLE – 2

Total Number of Patients surveyed in the Skin Department Rumailah Hospital in the year 2002 according to Sex and Nationality as Qatari's (Q) and Non-Qataris (N.Q)

	Male Qatari	Male N.Qatari	Female Qatari	Female N.Qatari	Total
Number	6717	5702	14582	5297	32295
Percentage to Total	20.8%	17.6%	45.2%	16.4%	100%

Table – 3

Total Number of Skin Patients seen in the Dermatology Department HMC in the year 2002 according to age group, sex and Nationality as Q and Non-Qatari.

Age group in years	Male Qatari	Female Qatari	Male N.Qatari	Female N.Qatari	Total
0 – 10	1505	1557	782	721	4565
11 – 20	1612	3513	468	844	6437
21 – 30	1228	3394	958	1251	6831
31 – 40	963	3190	1323	1323	6799
41 – 50	606	1892	1234	819	4551
51 – 60	353	669	704	250	1976
Above 61	450	364	233	89	1135
Total	6717	14579	5702	5297	32295

Table – 4

New cases seen during the period from January to December 2002 in the Dermatology and Venereology Clinic in HMC, according to age groups and Nationality as Qatari's (Q) and Non-Qataris (N/Q)

Age group in Year	Qatari's	Non/Qatari's	Total	Percentage to Grand Total
0 – 10	3062	1503	4565	14.1
11 – 20	5125	1312	6437	19.9
21 – 20	4622	2209	6831	21.1
31 – 40	4153	2646	6799	21.0
41 – 50	2598	2053	4651	14.4
51 – 60	1022	954	1976	6.1
Above 61	814	322	1136	3.5
Total	21296	10999	32295	100.1

Table – 5

New Cases seen during the Period from January to December 2002 in the Dermatology and Venereology Clinic in HMC, according to Sex and Age Group

Age group in Year	Males	Females	Total	Male to Female Ratio
0 – 10	2287	2278	4565	1:1
11 – 20	2080	4357	6437	1:2.1
21 – 20	2186	4645	6831	1:2.1
31 – 40	2286	4513	6799	1:2
41 – 50	1840	2711	4551	1:1.5
51 – 60	1057	919	1976	1.2:1
Above 61	683	453	1136	1.5:1
Total	12419	19876	32295	1:1.6

Table – 6

Eczema Dermatitis seen in 2002 Dermatology & Venereology Department – HMC

Diseases	Male Q	Female Q	Male N/Q	Female N/Q	Total	% Total group	% to Grand Total
Atopic Dermatitis	1060	1246	447	402	3155	32.22	9.77*
Lichen Simplex Chronicus	58	113	86	45	302	3.1	0.93*
Prurigo Nodularis	19	26	24	21	90	0.92	0.27*
Pruritus of Genito Crural (Intertrigo) area	7	19	15	-	41	0.42	0.12
Pruritus of Unspecific site	103	168	107	61	439	4.48	1.36
Pityriasis alba	60	48	24	22	154	1.57	0.47*
Eczema unspecified	187	307	206	176	876	8.94	2.71
Discoid Eczema	8	28	7	8	51	0.52	0.16
Dyshidrotic Eczema	15	18	15	15	63	0.64	0.2
Infectious Eczematoid dermatitis	13	6	11	5	35	0.35	0.11
Auto sensitization Dermatitis	-	1	1	-	2	0.02	0.006
Seborrhoeic Dermatitis	453	838	311	283	1885	19.25	5.836
Allergic Contact Dermatitis	399	701	481	302	1883	19.23	5.83
Non-Allergic Contact Dermatitis (Irritant)	119	231	149	115	614	6.27	1.90
Expholiative Dermatitis	3	1	3	-	7	0.07	0.02
Generalized Dermatitis due to Drugs	19	30	18	22	89	0.91	0.27
Fixed Drug eruption	20	37	22	22	101	1.03	0.31
Factitious Dermatitis	-	3	3	-	6	0.06	0.018
Total	2543	3821	1930	1499	9793	100%	30.3

Table – 7

Diseases of skin appendages – seen in 2002 Dermatology & Venereology Department – HMC.

Disease	Male Q	Female Q	Male NQ	Female NQ	Total
Nail disorders other than onychomycosis	21	42	41	27	131
Alopecia Areata	153	188	135	81	557
Androgenic Alopecia	56	129	20	35	240
Non Scarring Alopecia	77	1249	39	278	1643
Cicatricial Alopecia	6	3	4	5	18
Hirsutism	5	248	1	57	311
Hypertrichosis	3	8	-	1	12
Variation in hair color and shaft abnormality	2	7	1	-	10
Acne	677	2070	238	606	3591
Rosacea	19	103	18	36	176
Acne Keloidalis	23	12	21	3	59
Pseudofolliculitis	6	4	3	-	13
Other follicular disorders	203	282	112	87	684
Eccrine sweat gland disorders	34	32	23	16	105
Apocrine sweat gland disease	7	13	2	1	23
Follicular cysts	11	14	2	4	31
Epidermal cysts	38	143	11	39	231
Total	1341	4547	671	1276	7836

Table - 8

Infections and Parasitic diseases seen in 2002 Dermatology & Venereology Clinic – HMC (Viral Infection)

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Herpes Simplex	49	60	23	19	151
Varicella	6	16	10	8	40
Herpes Zoster	43	38	141	66	288
Viral Warts	361	441	251	256	1309
Anogenital Viral Warts	36	31	11	12	90
Molluscum Contagiosum	68	58	35	29	190
Orf	-	-	2	-	2
Hand Foot and Mouth Disease	-	1	-	-	1
Viral Exanthema	1	-	-	-	1
Hepatitis C	-	-	1	-	1
Genital Herpes	22	15	5	-	42
Grand Total	583	660	479	390	2115

Table – 8 (A)

Infections and Parasitic Diseases seen in 2002 in Dermatology & Venereology Department – HMC
(Superficial and Dermal fungal infection)

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Pityriasis Versicolor	123	124	289	101	637
White Piedra	1	1	-	1	3
Tinea Pedis	60	82	70	34	246
Tinea Unguium	25	39	120	44	228
Tinea Corporis	17	21	15	20	73
Tinea Cruris	46	16	46	15	123
Tinea Manum	1	2	5	1	9
Tinea Capitis	5	1	11	-	17
Tinea Barbae	30	-	10	-	40
Tinea Faciale	-	14	-	4	18
Tinea Imbricata	2	2	4	1	9
Other Dermatophyte infection	1	2	6	6	15
Total	311	304	576	227	1418

Table – 8 (B)

Infections and Parasitic diseases seen in 2002 Dermatology and Venereology Department – HMC (Moniliasis)

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Candidal stomatitis and cheilitis	3	2	-	-	5
Candidal Paronychia	19	54	37	25	135
Candidiasis of genito crural area	1	13	1	8	23
Candidiasis unspecified	2	9	7	8	26
Aspergillosis unspecified	-	-	-	1	1
Unspecified Mycosis	6	6	6	4	22
Total	31	84	51	46	212

Table – 8 (C)

Infections and Parasitic diseases – seen in 2002 Dermatology & Venereology Clinic – HMC (Bacterial)

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Tuberculosis of skin	-	-	4	-	4
Tuberculoid Leprosy	-	-	1	-	1
Borderline Tuberculoid Leprosy	-	-	1	-	1
Border Line Lepromatous leprosy	-	-	1	-	1
Lepromatous Leprosy	-	-	2	-	2
Unspecified Mycobacterial infection	1	-	-	-	1
Cutaneous Auto-sensitization	1	-	-	1	2
Erysipelas	1	-	1	1	3
Other Bacterial Infection	1	5	2	1	9
Secondary Syphilis	-	-	-	1	1
Syphilis unspecified early or late	-	-	1	4	5
Non Venereal Syphilis	-	-	-	1	1
Gonorrhoea	6	-	1	-	7
Urogenital Trichomoniasis	-	-	-	1	1
Total	10	5	14	10	39

Table – 8 (D)

Infections – New Cases seen in 2002 Dermatology & Venereology Department- HMC. (Bacterial)

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Impetigo	15	24	13	9	61
Furuncles, Abscesses, Carbuncles, Pyodermos	33	61	28	9	131
Cellulitis	17	22	33	21	93
Pilonidal cyst with abcess	-	1	-	-	1
Acute Lymphadenitis	-	1	-	1	2
Other Specified local infection	11	13	3	6	33
Erythrasma	8	10	12	4	34
Unspecified infection	13	15	9	5	42
Staphylococcal scalded skin syndrome	3	1	4	4	12
Total	100	148	102	59	409

Table –8 (E)

Infections and Parasitic diseases seen in 2002 Dermatology & Venereology Department – HMC
(Parasitic Diseases)

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Cutaneous Leishmaniasis	1	4	3	3	11
Toxoplasmosis Unspecified	-	1	-	-	1
Scabies	17	13	47	25	102
Pediculus Humanus Capitis	-	15	-	3	18
Phthiriasis	1	-	-	-	1
Total	19	33	50	31	133

Table – 9

Pigmentary Disorders seen in 2002 Dermatology & Venereology – HMC

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Vitiligo	123	167	136	75	501
Leukoderma	-	-	2	-	2
Other disorders of hypo pigmentation (Post Inflammatory Hypopigmentation)	5	13	12	7	37
Post Inflammatory Hyperpigmentation	137	757	79	180	1153
Chloasma	70	521	37	167	795
Freckles	5	150	1	43	199
Lentigo	5	14	5	4	28
Pigmented purpuric eruption	4	7	12	3	26
Tattoo	59	190	45	57	351
Unspecified disorder of pigmentation	4	18	8	6	36
Total	412	183	337	542	3128

Table – 10

Skin Hypertrophies and xerosis cutis seen in 2002 Dermatology & Venereology Department – HMC

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Acanthosis Nigricans	17	161	12	16	206
Seborrhoeic Keratosis	22	137	36	51	246
Corns and Callosities	27	46	42	20	135
Knuckle pads	3	3	1	1	8
Cutaneous horns	-	-	2	2	4
Palmoplantar Keratodermas	5	19	5	7	36
Keloids	8	36	16	17	77
Hypertrophic skin disorders unspecified	111	235	61	63	470
Acquired Ichthyosis	-	-	2	-	2
Unspecified epidermal thickening	108	182	39	58	387
Xerosis cutis	48	125	28	26	227
Total	349	944	244	261	1798

Table – 11

Papulosquamous diseases seen in 2002 Dermatology & Venereology Department – HMC.

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Psoriasis	244	330	420	171	1165
Lichen Planus	47	69	78	45	239
Pityriasis Rosea	45	88	45	46	224
Parapsoriasis	10	14	15	3	42
Pityriasis Rubra pilaris	9	3	5	-	17
Lichen Nitidus	13	11	9	9	42
Lichen Striatus	2	10	5	2	19
Lichen ruber moniformis	-	-	-	1	1
Giannotti Crosti	-	-	-	1	1
Other papulo squamous disorders	2	7	3	3	15
Total	372	532	580	281	1765

Table – 12

Urticaria, erythemas – seen in 2002 Dermatology & Venereology Department – HMC.

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
The Urticarias	203	374	234	215	1026
Angio edema	6	5	5	11	27
Insect bite (papular urticaria)	42	59	27	43	171
Erythema multi forme	11	15	22	20	68
Steven Johnson	-	1	3	-	4
TEN	-	-	1	1	2
Erythema Nodosum	-	7	-	8	15
Erythema annulare centrifugum	-	6	1	3	10
Erythroderma	13	34	26	15	88
Skin changes due to exposure to UVR	10	38	20	8	76
Sun Burn	5	1	-	-	6
Skin solar damage	2	2	6	-	10
Drug phototoxicity	-	-	-	1	1
Photocontact dermatitis	35	32	40	27	134
Polymorphous light eruption	4	16	15	6	41
Actinic keratosis	3	-	13	2	18
Actinic reticuloid	-	-	-	1	1
Poikiloderma of civatte	-	1	-	-	1
Skin changes from radiation exposure	6	6	1	2	15
Second degree burn	6	1	-	1	8
Total	346	598	414	364	1722

Table – 13

Skin Atrophy – seen in 2002 Dermatology & Venereology Department – HMC

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Lichen Sclerosis et atrophicus	2	8	6	4	20
Atrophic scars	39	143	25	39	246
Striae atrophicans	4	17	4	4	29
Other skin atrophies	4	6	3	3	16
Total	49	174	38	50	311

Table – 14

Genito urinary Diseases seen in 2002 Dermatology & Venereology Department – HMC.

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Non-specific urethritis	5	-	3	-	8
Urethral discharge	14	-	6	-	20
Other urethritis	3	-	1	-	4
Urinary tract infection – unspecified site	-	3	2	-	5
Chronic Prostatitis	1	-	1	-	2
Hyperplasia of prostate	-	-	1	-	1
Balano Posthitis	1	-	7	-	8
Other inflammatory disorders of penis	4	-	10	-	14
Impotence	2	-	6	-	8
Male Infertility	12	-	35	-	47
Total	42	3	72	-	117

Table – 15

Connective tissue disorders seen in 2002 Dermatology & Venereology Department – HMC

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Morphoea	5	12	6	11	34
Systemic sclerosis	2	1	-	-	3
Sjogren syndrome	-	1	-	-	1
Systemic LE	-	5	1	3	9
Discoid LE	-	1	-	1	2
Lupus Profundus	-	3	-	3	6
Rheumatoid arthritis	1	1	1	2	5
Dermatomyositis	-	-	-	1	1
Cutaneous Calcinosis	1	1	-	1	3
Poikiloderma Vasculare atrophicans	-	1	-	-	1
Unspecified local connective tissue disease	-	1	-	1	2
Vasculitis	1	6	19	10	36
Eosinophilic cellulites (Well's) disease	-	-	2	1	3
Panniculites unspecified	-	-	1	-	1
Mucinosis of skin	-	2	-	1	3
Behcets	2	-	2	2	6
Total	12	35	32	37	116

Table – 16

Congenital Malformations and Genetically determined diseases seen in 2002
Dermatology & Venereology department – HMC

Contribution	Male Q	Female Q	Male NQ	Female NQ	Total
Accessory auricle	-	-	1	-	1
Fissured nose	-	1	-	-	1
Cong. Malformation of mouth	-	-	-	1	1
Accessory finger	-	-	1	-	1
Ehlers Danlos	2	2	-	-	4
Icthyosis Vulgari	5	16	9	2	42
X-linked Icthyosis	-	-	1	-	1
Lamellar Icthyosis	1	-	-	2	3
Bullous Icthyosiform Erythroderma	-	-	1	1	2
Congenital ichthyosis unspecified	-	2	1	-	3
Epidermolysis bullosa simplex	-	-	1	-	1
Epidromyls bullosa unspecified	1	-	-	-	1
XP	1	-	1	-	2
Urticaria Pigmentosa	-	-	1	-	1
Cong. Nevi	3	5	5	10	23
Unspecified Cong. Malformation	4	9	4	1	18
Accessory nipple	-	1	-	-	1
Cong. Alopecia	1	3	-	-	4
Neurofibromatosis	-	3	1	-	4
Tuberous Sclerosis	-	-	1	1	2
					115

Table – 17

Perforating diseases, granulomas and ulcers

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Kyrl's	-	3	-	-	3
Reactive perforating collagenosis	1	7	5	3	16
Perforating granuloma annulare	2	7	-	2	11
Necrobiosis lipoidica	-	1	-	-	1
Pyogenic granuloma	3	9	15	9	36
Foreign body granuloma	-	1	-	-	1
Unspecified granuloma	1	-	-	1	2
Chronic skin ulcers	7	9	3	2	21
Decubitus ulcer	2	2	-	-	4
Pyoderma gangrenosum	-	1	1	-	2
Total	16	40	24	17	97

Table – 18Skin and mucous membrane affection in relation to
Gastrointestinal Tract reported in Dermatology & Venereology Clinic in 2002 – HMC

Diseases and Remarks	Male Q	Female Q	Male NQ	Female NQ	Total
Periapical abscess with sinus	-	-	1	-	1
Acute periodontitis	-	-	-	1	1
Hypertrophy of salivary gland	-	-	1	-	1
Recurrent aphthous ulcers	5	7	4	2	18
Stomatitis	1	3	3	1	8
Cheilitis	10	21	9	5	45
Lip biting	-	-	1	-	1
Diseases of the tongue which include glossitis, geographic tongue, black hairy tongue	3	2	1	2	8
Gastro Jejunal ulcer	-	-	1	-	1
Inguinal hernia	-	-	1	-	1
Diseases of anal and perianal fistula, perianal abscess	-	4	1	-	5
Total	19	38	22	11	90

Table - 19**Inflammations of genito urinary tract in females and some skin condition related to pregnancy**

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Inflammation of Female genitalia	-	28	1	13	41
Gestational edema	-	1	-	-	1
Herpes Gestationis	-	1	-	1	2
Pregnancy related condition	-	20	-	14	34
Total	-	50	-	28	78

Table – 20**Bullous Diseases seen in 2002 Dermatology & Venereology – HMC.**

Diseases	Male Q	Female Q	Male NQ	Female NQ	Total
Pemphigus Vulgaris	-	6	7	4	17
Pemphigus folioceous	-	1	-	-	1
Pemphigus unspecified	-	3	5	4	12
Bullous pemphigoid	1	2	-	3	6
Pemphigoid unspecified	1	1	-	1	3
Acquired epidermolysis Bullosa	1	1	2	-	4
D.H	3	1	1	1	6
Sub-corneal pustular dermatitis	-	2	-	-	2
Other specified Bullous disorder	1	1	2	-	4
Unspecified Bullous disease	1	2	-	1	4
Total					59

Table – 21

The main 15 Disease Groups

Group Sr. No.	Name of the Group	Table No.	Patient Total No. in the group	Percentage of the group to Grand Total
1	Eczema dermatitis	(6)	9793	30.3%
2	Diseases of skin appendages	(7)	7836	24.3%
3	Infections and Parasitic diseases	(8, 8A-B-C- D-E)	4326	13.4%
4	Pigmentary disorders	(9)	3129	9.7%
5	Skin hypertrophic conditions	(10)	1798	5.57%
6	Papulo squamous diseases	(11)	1765	5.5%
7	The Urticarias and Erythemas	(12)	1722	5.33%
8	Skin Atrophies	(13)	311	0.96%
9	Genito urinary tract diseases	(14)	117	0.36%
10	Connective tissue diseases	(15)	116	0.36%
11	Congenita malformations and genodermatoses	(16)	115	0.35%
12	Perforating diseases and granulomas	(17)	97	0.3%
13	Skin and mucous membrane affections in relation to G.I.T.	(18)	90	0.28%
14	Female genitourinary tract Inflammation and some condition related to pregnancy	(19)	78	0.24%
15	Bullous diseases	(20)	59	0.18%
			31352	97.13%

Table – 22

Comparison of the disease groups of the 2002 study done in the Department of Dermatology and Venereology in HMC, Doha – Qatar and the results of the Pilot study done in 1993 in the same department

Group Sr.#	Name of the Group in 2002	Table No. 2002	Percentage of the group to Grand Total 2002	Percentage of the group to Grand Total 1993
1	Eczema dermatitis	6	30.3	24.64
2	Diseases of skin appendages	7	24.3	18.2 (diseases of scalp and pilosebaceous follicles)
3	Infections and parasitic diseases	8, 8-A, 8-B, -C, 8-D, 8-E	13.4	31
4	Pigmentary disorders	9	9.7	5.8
5	Skin hypertrophies + Dry Skin	□ 10 □	4.87 Skin hypertrophy + 0.7 Dry skin	3.7 1.6
6	Papulosquamous diseases	11	5.5	4.4
7	Urticarias 3.8% + Drug eruption 0.58% + erythemas 0.95%	12	5.33	4.1 + 1.14 = 5.86 + 0.62
8	Skin atrophies	13	0.96	-
9	Genito urinary Tract disease	14	0.36	-
10	Connective tissue diseases	15	0.36	0.2
11	Congenital mal formations nevi and genodermatoses	16	Nevi 0.07 } Geno-Dermatoses 0.28 } 0.35	1.2 } 0.4 } 1.6
12	Perphorating diseases	17	0.4	Skin tumours 1.34
13	Skin and mucous membrane affection in relation to GIT	18	0.28	Miscellaneous 1.70
14	Female genitourinary tract infection and some conditions related to pregnancy	19	0.24	
15	Bullous diseases	20	0.18	
	Total	-----	97.13	100%
	Miscellaneous	-	2.87	
	Grand Total		100%	

Table – 23

The Top 24 Diseases reported from 2002 Pattern of skin diseases done in the Dermatology and Venereology Department – HMC, Doha – Qatar compared with those reported in 1993 ⁽¹⁾ from the same department

Top No.	Diseases	No. Reported	Percentage to Total Group	Percentage to Grand Total	Table No.	1993 Results	
						Percentage	Top No.
1	Acne	3591	23.1	11.12	7	8.3	2
2	Atopic Dermatitis	3155	32.33	9.77	6	6.9	4
3	Seborrhoeic Dermatitis	1885	19.25	5.84	6	4.7	6
4	Allergic Contact Dermatitis	1883	19.23	5.83	6	7%	3
5	Non scarring alopecia	1643	20.96	5.1	7	4.4	8
6	Fungal infection (dermatophytosis)	1418	100%	4.4	8A	4.6	7
7	Viral Warts	1399	66.14	4.33	8	9.9	1
8	Urticaria (1026) AO (27) Papular urticaria(171)	1224	71.1	3.8	12	4.1	9
9	Psoriasis	1165	66.01	3.6	11	1.9	14
10	Post inflammatory hyperpigmentation	1153	36.85	3.57	9	-	-
11	Chronic eczema	1025	10.45	3.2	6	2.9	11
12	Chloasma	795	25.4	2.46	9	-	-
13	Pityriasis versicolor	637	44.92	1.97	8A	6.8	5
14	Irritant contact Dermatitis	614	6.24	1.9	6	-	-
15	Alopecia Areata	557	7.11	1.72	7	3.2	10
16	Vitiligo	501	16.01	1.55	9	1.9	15
17	Pyodermas	375	42.85	1.16	8-D	2.6	13
18	Tattoo	351	11.22	1.1	9	-	-
19	Acanthosis Nigricans	206	11.45	0.64	10	-	-
20	Freckles	199	6.4	0.62	9	-	-
21	Moluscum Contagiosum	190	8.98	0.59	8	1.1	-
22	Scabies	102	76.7	0.32	8-E	2.9	12
23	Bullous diseases	59	-	0.18	20	-	-
24	Icthyosis	51	44.74	0.16	16	-	-

Table – 24
Viral Infections Comparison between 2002 and 1993 Results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Viral Warts	1399	4.33	687	9.9
Molluscum Contagiosum	190	0.6	75	1.1
Herpes Simplex	151	0.5	25	0.37
Herpes Zoster	288	0.9	107	1.51
Varicella	40	0.12	18	0.26
Genital Herpes	42	0.13	12	0.17
Orf	2	-	-	0.02
Hand Foot and Mouth disease	1	0.02	-	
Viral exanthema	1		-	
Hepatitis C	1		-	
Total	2115	6.6	924	13.3

Table – 25
Fungal Infections - Comparison of results in the year 2002 to those reported 1993 ⁽¹⁾

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Tinea Capitis	17	0.053	72	1.04
Pityriasis versicolor	637	1.970	470	6.76
White Piedra	3	0.01	-	-
Tinea cruris	46	0.142	64	0.92
T. Corporis	73	0.226	60	0.86
T. Faciale	18	0.06	-	-
T. Unguim	228	0.706	24	0.35
T. Pedes	246	0.762	43	0.62
T. Manum	9	0.03	7	0.29
T. Barbae	40	0.124	1	
Candidal stomatitis	5	0.015	2	
Balanitis	2	0.006	10	
Chronic Paronychia	135	0.42	39	0.59
T. Imbricata	9	0.03	-	-
Other dermatophytoses	15	0.046	-	-
Total	1483	4.6	792	11.4

Table – 26

Parasitic Infection Comparison of the results in the year 2002 to those reported in the year 1993

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Scabies	102	0.32	88	2.9
Pediculosis	18	0.06	7	0.2
Phthiriasis	1	0.003	-	-
Cutaneous Leishmaniasis	11	0.034	5.0	0.1
Total	132	0.147	100	3.2

Table – 27

Bacterial Infections Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Tuberculosis	4	0.012	2	0.03
Leprosy	6	0.018	2	0.03
Pyodermas	44	0.136	182	2.6
Erysipelas	3	0.009	-	-
Syphilis	6	0.018	1	0.02
Gonorrhoea	7	0.022	22	0.31
Erythrasma	34	0.111	5	0.07
Chancroid	-	-	3	0.04
Total	104	0.326	217	3.1

Table – 28

Eczema Dermatitis group Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Atopic Dermatitis	3547	11.00	479	6.9
Pityriasis alba	154	0.50	73	1.04
Allergic Contact Dermatitis	1883	6.00	487	7.00
Non Allergic Contact Dermatitis (Irritant Dermatitis)	614	2.0	-	-
Seborrhoeic dermatitis	1885	5.8	329	4.73
Eczemas	1025	2.98	202	2.91
Intertrigo	41	0.10	50	0.7
Napkin Dermatitis	-	-	28	0.4
Photo Dermatitis (from table-8)	303	0.90	46	0.66
Expholiative Dermatitis	7	0.02	12	0.2
Perioral dermatitis	-	-	7	0.1
Total	9459	29.3	1713	24.64

Table – 29

Diseases of Scalp, hair and Pilosebaceous follicle Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Acne	3591	11.12	580	8.4
Rosacea	176	0.55	5	0.05
Alopecia Areata	557	1.72	222	3.2
Cicatrical alopecia	18	0.056	4	0.05
Diffuse Hair Loss (non scarring alopecia)	1643	5.1	308	4.4
Androgenic alopecia	240	0.74	34	0.5
Pseudosycosis	13	0.04	8	0.12
Hirsutism	311	0.96	37	0.53
Total	6549	20.28	1198	17.2

Table – 30

Some Pigmentary disorders Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Vitiligo	501	1.550	133	1.9
Melasma	795	2.460	122	1.7
Post Inflammatory hyperpigmentation	1153	3.57	85	1.2
Amyloidoses	-	-	5	1.0
Berloque dermatitis	-	-	2	
Tattoo	351	1.1	4	
Freckles	199	0.62	17	
Post Inflammatory hypopigmentation	37	0.12	42	
Total	3036	9.42	410	5.8

Table – 31

Papulosquamous diseases Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Psoriasis	1165	3.61	167	2.4
Pityriasis Rosea	224	0.7	91	1.3
Lichen Planus	239	0.74	35	0.5
Lichen Nitidus	42	0.13	2	0.2
Parapsoriasis	42	0.13	2	
Pityriasis Rubra Pilaris	17	0.05	1	
Lichen Striatus	19	0.05	10	
Total	1748	5.41	308	

Table – 32

Skin Hyperpertrophies Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Palmoplantar Keratoderma	36	0.11	40	0.6
Callosity corns	135	0.42	43	0.61
Keloid	77	0.24	20	0.3
Seborrhoeic Keratosis	246	0.76	17	0.24
Dermatitis Papulosa Nigra	-	-	14	0.2
Acanthosis Nigricans	206	0.64	12	0.17
Skin tags	-	-	108	1.55
Total	700	2.20	254	3.67

Table – 33

Erythemas Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Erythema multiforme	68	0.21	38	0.55
Erythema Nodusom	15	0.1	2	0.03
Erythema Annulare Centrifugum	10	0.03	1	0.014
Erythroderma	88	0.27	1	0.014
Total	181	0.61	42	0.61

Table – 34Genodermatosis Comparison between 2002 and 1993 results

Diseases	Year 2002		Year 1993	
	Number	Percentage to Grand Total	Number	Percentage to Grand Total
Icthyosis	51	0.16	15	0.22
Epidermolysis bullosa	2	0.006	1	0.014
Palmo plantar keratodermas	36	1.12	11	0.16
Xeroderma pigmentosum	2	0.006	-	-
Neurofibroma	4	0.012	7	0.1
Urticaria pigmentosum	1	0.003	2	0.028
Total	96	1.287	36	0.522

Table – 35

Comparison of the data of the present work as percentage with those obtained from similar works done in other countries

Top No.	Diseases	% of present work in Qatar	United Arab Emirates (3)	Western Saudi Arabia (4)	Eastern Saudi Arabia (5) (6)	Hormozgan Iran (7)
1	Acne	11.12	9.07	9.48	9.00	9.8
2	Atopic Dermatitis	9.77	Eczema 20.85	Dermatitis Group 18.6	6.8	5.2
3	Seborrhoeic Dermatitis	5.84			3.5	4.3
4	Allergic Contact Dermatitis	5.83			4.3	1.3
5	Non scarring alopecia	5.1	-	-	3.96	-
6	Fungal infection (dermatophytosis)	4.4	3.16	6.35	3.27	5.6
7	Viral Warts	4.33	5.32	6.78	8.21	3.54
8	Urticaria AO Papular urticaria	3.8	-	2.37	6.3	2.8
9	Psoriasis	3.6	4.49	3.01	3.91	1.34
10	Post inflammatory hyperpigmentation	3.57	-	-	0.5	5.1
11	Chronic eczema	3.2	-	-	3.9	4.7
12	Chloasma	2.46	2.2	-	0.68	-
13	Pityriasis versicolor	1.97	3.74	-	4.5	6.5
14	Irritant contact Dermatitis	1.9	-	-	0.2	-
15	Alopecia Areata	1.72	-	-	1.96	3.2
16	Vitiligo	1.55	3.18	3.12	2.3	1.5
17	Pyodermas	1.16	2.55	7.65	3.9	6.4
18	Tattoo	1.1	-	-	-	-
19	Acanthosis Nigricans	0.64	-	-	0.3	-
20	Freckles	0.62	-	-	0.3	-
21	Moluscum Contagiosum	0.59	1.05	-	0.95	0.5
22	Scabies	0.32	-	-	7.2	4.1
23	Bullous diseases	0.18	-	-	0.17	0.3
24	Icthyosis	0.16	-	-	0.38	-