Cutting and other forms of derma-abuse in adolescents

Hari D. Maharajh¹, Rainah Seepersad²

¹Department of Clinical Medicine, University of the West Indies, Trinidad, West Indies; drharim@carib-link.net
²Psychologist, Department of Clinical Medicine, University of the West Indies, Trinidad, West Indies; rainahs@hotmail.com

Received 22 November 2009; revised 25 December 2009; accepted 28 December 2009.

ABSTRACT

Cutting or self inflicted epidermal damage (derma-abuse) describes a number of bloodletting behaviours among adolescents. Unlike suicidal behaviour, it is associated with low lethality and the absence of suicidal attempts. The purpose of this study is two-fold: Firstly, to present and discuss vignettes of four young adolescents and secondly, to study the dynamics and characteristics of six derma-abusers who have attended Dual Group Therapy (DGT) concurrently with their parents for a six month period. Our findings suggest that patients involved in derma-abuse are generally non-suicidal but engage in comfort cutting for the psychological release of pain, tension reduction and anger management. There is a preponderance of females (80%) with an over-representation of mixed origin and borderline cultural states. In this small group, males amounted to 20% and were more bizarre, gruesome and brutal in their self-abuse. Of the total sample, 10% were of African origin, 60% were of Indian descent and 30% were of mixed ancestry. Psychodynamic factors explored in Dual Group Therapy (DGT) are the emphasis on non-suicidal intent, association with tension reduction, reclaiming power and mastery over self and others, life and death instincts, the significance of bloodletting in a socio-cultural context, transgenerational conflicts, dysfunctional family dynamics frequently with parental separation and sexual abuse and early sexual induction.

Keywords: Derma-Abuse; Cutting, Self-Harm; Adolescents; Non-Suicidal Intent

1. INTRODUCTION

Self-inflicted epidermal damage, referred to as derma-abrasion and derma-contusion are common practices among young adolescents. There is much confusion in the classification of suicidal behaviours with the general view that self-inflicted human blood release is equated to suicidal behaviour. The literature is replete with descriptive terminologies: Suicide and parasuicide [1] suicide and deliberate self poisoning/injury [2], and Non-fatal deliberate self-harm [3]. Other synonyms are “self-injury” (SI), “self-harm” (SH) “self-mutilation,” “deliberate self-harm”, (DSH) “self injurious behaviour” (SIB), and “self inflicted violence” (SIV) which are used interchangeably to explain common patterns of behaviour where demonstrable injury is self inflicted [4-9].

Self-mutilation has its origin in many cultures around the world. In ancient Mayan civilizations, Sadhus or Hindu ascetics and early Catholic and Jewish Canaanite rituals, all involved some form of bloodletting or self flagellation that are associated with great religious and spiritual sacrifice or rites of passage [10]. In the 1880’s, this form of behaviour was the norm among cultures and was not distinguished from other behavioural problems. In 1935 and 1938, an important distinction was made with a modification of the term self-mutilation that was initially introduced by L. E Emerson [10]. This differentiation considered the view that suicidal behaviour and self-mutilation were two separate entities. As Menninger stated in his book “self-mutilation was a non-fatal expression of an attenuated death wish” [10].

Internationally, the most common form of clinically determined self-harm is skin cutting. This occurs in 70% of the individuals that harm themselves, followed by the act of banging or hitting oneself (21% to 44%) and lastly 15% to 35% of persons who engage in acts of burning themselves [11,12]. In non-clinical populations such as college samples, the most common form of self-injurious behaviour was severe forms of scratching and pinching which results in bleeding and scarring (51.6%). This was followed by acts of hitting objects to the point of blood release (37.6%), then cutting (33.7%) followed by acts of punching and banging with blood release (24.5%). Body surface areas targeted by self-harmers are the areas that are of easiest access such as arms, hands, wrists, thighs and abdomen [13-15].

However, there seems to be no agreement on findings of deliberate self-harm since similar rates have been re-
ported in both institutional and community populations. In non-clinical populations, 4% of the adult population had engaged in deliberate self-harm with a similar finding of 4% in military recruits, [33]. College populations as a rule have reported higher rates of DSH, ranging from 14%-38% [4,12,16,17]. In Europe, for persons over the age of fifteen (15), there is an average rate of 0.14% for males and 0.19% for females [18].

In the local setting, self-harm has been on a steady rise over the past decade. A conservative estimate of the incidence rate of students referred to a psychiatric clinic is about 0.5% percent of secondary school students in Trinidad. Approximately four cases per month are reported at the Eric Williams Medical Sciences Complex at Mt. Hope with an emphasis on derma-abuse or skin cutting. In comparison to larger countries such as in England 6.9% of students’ ages 15 and 16 in a cross sectional study of 41 schools reported acts of deliberate self-harm, [19].

In 2007, a newspaper report on ‘cutting’ among girls in Trinidad sparked the issue of a mental health crisis [20]. Further, two recent surveys conducted on non-clinical populations have revealed high rates of self-harmers. In a sample of 215 students at the University of the West Indies, the overall prevalence of self-harmers was found to be 24.2 percent with 9.3 percent noted as recent self-harmers and 14.9 percent engaged in self-harming behaviour over the past year [21]. Among the students reporting recent (within the past twelve months) self-harm, the most frequently utilized methods were cutting (70%), sticking oneself with sharp objects (50%), and scratching oneself (45%). Students invariably utilized multiple forms of derma-abuse.

Analysis of the self-harmers over a one year period revealed that those who reported recent self-harm behaviour had an average of seven times as many (M = 35.6 s.d = 54) incidents than those with a past history of self-harm behaviour. In another study of 174 students, [22] there was an overall prevalence rate of 31.6 percent with a history of self-harm. In terms of recent self-harm 11.5 percent indicated this in comparison to 20.1 percent who engaged in self-harm behaviour more than a year ago. Within this sample 8.6 percent reported cutting, 8.6 percent indicated severe scratching and 6.9 percent, needle sticking. Of interest, 9.2 percent admitted to consuming pills, consumption of excessive amounts of alcohol, hair pulling (trichotillomania) and food refusal, [22]. An interesting finding is that although these studies were conducted at the same University in Trinidad during the same year, differential rates of 31.6% [22] and 24.2% [21] were recorded for self-harm behaviours.

It is evident that many researchers have described a medley of behaviours that have been categorized as life threatening and equated with suicidal intent. While some authorities [19,23,24] have commented on the low lethality of derma-abusers, the boundaries appear to be blurred. The purpose of this study therefore is two-fold: Firstly, to present and discuss vignettes of four young adolescents and secondly to study the dynamics and characteristics of six derma-abusers who have attended group psychotherapy for a six-month period with emphasis on their suicidality and treatment.

### 1.1. Theories of Self Harm

There are many explanatory models of self-harm that encompass various theories in psychology. Self-harm has been described through Behavioral and Systems theories, Psychodynamic and Psychoanalytical models as well as Interpersonal and Object relations approaches [25,26].

Behavioral and Environmental models theorized that self-mutilation creates internal or environmental responses that are reinforcing to the individual. The Drive models purport a psychoanalytical understanding of the self-harm behavior, specifically with the Anti-suicide and Sexual model. The Anti-Suicide model claims that self-mutilation is a suicide replacement, an attempt to avoid suicide, a compromise between life and death drives, and a sort of ‘microsuicide.’ The Sexual model states that self-mutilation stems from conflicts over sexuality, sexual development, masturbation, menarche and menstruation [25,26].

The Affect Regulation Models offer a psychodynamic explanation through the affect regulation model and the dissociation model. The Affect Regulation model claims self-mutilation stems from the need to express or control anger, anxiety, or pain that cannot be expressed verbally or through other means whereas the dissociation model states that self-mutilation is a way to end or cope with the effects of dissociation that results from the intensity of affect. Many self-harmers report that they want to feel alive again and acts such as skin cutting removes their feelings of numbness [25,26].

The Boundaries Model which builds its explanatory power on interpersonal and object relations theories state that self-mutilation is an attempt to create a distinction between self and others. It creates boundaries or an identity to protect against feelings of being engulfed, on the other hand a fear of loss of identity. It reinforces self-mutilation as evidence of familial or environmental dysfunction [25,26].

### 1.2. Objective

In this clinical study, prefaced with a comprehensive review of the local and international literature, four vignettes and six patients and their families in Dual Group Therapy (DGT) are studied over a six month period. The purpose is to define socio-demographics characteristics and to understand the dynamics of derma-abusers in the context of interpersonal, trans-generational and environmental factors. An appropriate management strategy is devised.
2. RESULTS

2.1. Vignette 1

I. S. is a 13 year old female student, of Caucasian descent, who resides in Singapore. She was born in Florida, of mixed origin and of the Roman Catholic faith. She came to Trinidad for treatment since she could not be contained in Singapore. She has Trinidadian roots as most of her family is originally from the island. The patient has been reportedly skin-cutting since 2007 when she was eleven years old. She reported that she had accidentally cut herself with a broken tea cup during one of the many arguments of her parents. She further stated that her ‘accidental injury’ had alleviated her emotional confusion and made her feel relaxed. In 2008, she was hospitalized for a two (2) week period after a cutting incident while in Singapore. On her release, it was discovered that she smuggled a piece of glass into the hospital by concealing it in her clothing and had continued cutting herself on her thighs and was further warded at the facility. In July, in Trinidad, she became so distraught and tense, she begged her Aunt who was visiting from Florida to allow her ‘to make just a little nick on her wrist to alleviate her confusion’. Her most recent episode was in September 2009. She presented for cutting her left wrist at the Health Facility and subsequently taken to the University Hospital and warded at the Paediatric Ward. The patient with a history of skin cutting and burning indicated her most recent cutting was not a suicidal attempt but was used to eliminate stressors in her life, inclusive of a strained relationship with her cousins. In a review of her developmental, personal and family history she has had somewhat of a tumultuous past from an early age. As a toddler, she exhibited temper tantrums at age 3, her parents divorced when she was age five (5), and she reported that her mother has been in abusive relationships, not only with her father, resulting in her having to move between Malaysia and Singapore.

Her developmental milestones were normal but early visits to her Paediatrician had shown evidence of precocious development. At a routine pediatric checkup at age 6, the patient was noted to have a unilateral breast bud and pubic hair. The pediatrician referred her to an Endocrinologist where FSH, LF and other hormonal levels testing were done. They were all within normal range. A bone age scan was also done which showed that the age of her bones was consistent with her chronological age. Subsequently, a unilateral ovarian cyst was discovered via ultrasound. This was monitored for six months and at the second ultrasound no cysts were found. The endocrinologist has since confirmed precocious development despite her advanced sexual development. In Trinidad, brain scans CT and MRI were found to be normal as well as Electroencephalographic (EEG) studies.

In her personal history, she has shied away from her usual extracurricular activities such as netball, football and swimming when she started cutting. Her attempts to conceal the scars have resulted in her lack of interest in other activities but she still continued in the school choir. I.S. described herself as always being below average, and always had difficulty concentrating since very young expressing that she has always been taken long periods to complete assignments. She has never got into any physical fights at school or otherwise. Her history of friendships has been mixed with some “bad” friendships, but presently she has trustworthy friends. She lives with her mother, her mother’s fiancée and his children and will be returning to Singapore soon. Her maternal aunts and mother are being treated for depression.

2.2. Vignette 2

M. A is a 16 year old female student of East Indian descent who resides in Trinidad. She is the youngest of three children. She presented on this occasion with ingestion of six (6) Painol tablets and two (2) painkillers. The incident occurred in August 2009 and was precipitated by an argument with her current boyfriend who is eight years older and a friend of her brother. She described herself as feeling depressed, hopeless and frustrated, with loss of interest in activities. She normally enjoyed listening to music and watching television, but did not have any intent to die. After this incident, she reported feelings of sadness for long periods over the next two days. M. A has a prior history of skin cutting which had started two years ago.

Her first incidence of skin cutting was in early Form 3 (age 13). She described feeling angry but cannot remember the details of the incident. She also stated that she engaged in banging her fists against the walls in her bedroom when she felt upset and frustrated due to arguments with her parents surrounding incidents with her boyfriend.

Both her parents’ family has a history of depression. Her father’s two cousins have depression and one of her mother’s brothers has been committed to a mental institution following a nervous breakdown. One has also committed suicide. The patient herself has also been treated for depression on her initial visits to the psychiatrist.

Her developmental history was insignificant as developmental milestones were reported in congruence with her age. She began puberty at around age twelve (12). She has had no major accidents or illness to require hospitalizations. She has visited a psychologist for a few sessions after she broke school on the first occasion. Her relationship with her parents and brother has been somewhat average since the incidents occurred but
presently the family ties are improving.

In terms of her personal history, M. A has reported to having two previous relationships from the age of 12 which lasted two (2) months, and then at age 13 with a twenty one (21) year old man, which lasted one (1) year and eight (8) months. M. A’s current boyfriend is twenty five (25) and this relationship developed as she enjoyed conversing with him as well as being a family friend. She expressed that she enjoys school very much and gets along with everyone including her friends. She has no history of aggressive behavior. Her performance in school is fair, but her grades have been falling due to her involvement with her boyfriend.

Both her parents family have a history of depression. Her father’s two cousins have depression and her mother’s family has depression. One of her mother’s brother has been committed to a mental institution following a nervous breakdown and one committed suicide. The patient herself has also been treated for depression on her initial visits to the psychiatrist.

2.3. Vignette 3

S. M is a fourteen year old Secondary School student who was referred to the Psychiatric Services for self-harm, following a self inflicted tattoo which he carved on his left arm with a symbol of his initial S. He did this without the permission of his parents because “he wanted to feel pain”. He mutilated his forearm with a razor blade and covered it with ink in order to make a tattoo.

In addition, the school guard found letters in his possession written in blood and ink which were messages of hate. He stuck a fountain pen into the vain of his forearm thereby withdrawing blood and wrote a letter to his alleged girlfriend.

In his past history, at the age of five years on a school excursion he was separated from the class and claimed that people stamped on his chest. He was found by two strangers who carried him back to school. At the age of nine years, he received electric shocks from open wires with no serious injuries. It is not known whether these were accidental.

Both his parents are alive and he will drink with them on special occasions and will even smoke cigarettes. He has no sexual relationship but claims that he has many girlfriends, defining a girlfriend as “someone to be with extremely thrilled at his show of love. His mother has consent and 30% were of mixed ancestry. The high percentage of abusers of mixed origin was unexpected and a plausible explanation is that these adolescents find themselves in a borderline cultural state.

2.4. Vignette 4

A. P is a thirteen (13) year old male Form 3 secondary school student of Indo-Guyanese descent. He was referred by the school guidance officer with a two month history of carving a tattoo on his left forearm with the inscription ‘Sasha’ his girlfriend. He painted it with ink creating a self-made tattoo. His mother reported that he is aggressive at home, stealing jewelry and money allegedly giving it to his girlfriend. He spends a considerably amount of time at night speaking to the girl on the phone which his mother attributes to his poor performance at school.

He was born in Guyana and was kept at the hospital for an extra week due to an infection. His developmental milestones were normal but his mother noted that he is extremely short tempered and responds with rage at the slightest provocation. He is the last of three (3) siblings with an older sister and brother. He does not get along with his brother and recently pulled a knife at him.

He came to Trinidad six (6) years ago with his mother, who has been separated from his father for nine (9) years. Presently he lives with his grandmother, grandfather and brother aged seventeen (17). His mother is now in a second relationship with a new husband for the past eight (8) years. A. P does not get along with his stepfather and accuses him of stealing the lost money and jewels. All members of his family except his stepfather are of Guyanese origin. He denies the use of tobacco, alcohol and drugs. He was diagnosed as having an impulse control disorder in his first contact with the psychiatric services on the island.

With respect to his derma-abuse, he feels no pain on carving and is supported by his girlfriend who is extremely thrilled at his show of love. His mother has contacted her on this issue and she has denied receiving money and stolen rings from him but is adamant that no one can stop him from seeing her.

3. ANALYSIS OF STUDIED GROUP

3.1. General Classification of Suicidal Behavior with and without Intent

In the figure below, a classification based on a small sample of ten (10) derma-abusers is presented. Patients involved in derma-abuse are generally non-suicidal but engage in comfort cutting for the psychological release of pain, tension reduction and anger management. In this small group, males amounted to 20% and were more bizarre, gruesome and brutal in their self-abuse. Females accounted for the majority of the sample (80%) and among these; approximately 38% were of mixed origin. Of the total sample 10% were of African origin, 60% were of Indian descent and 30% were of mixed ancestry. The high percentage of abusers of mixed origin was unexpected and a plausible explanation is that these adolescents find themselves in a borderline cultural state.
These are individuals who are unable to conceptualize which culture they belong to and consequently develop identity issues in their attempts to please both parents. The value assigned to each parent is often based on stereotyped racial pecking order and the environmental influences of parental dominance and autonomy.

In this small sample of ten derma-abusers, patients were categorized into three groups: those without suicidal intent, those with suicide in mind and a third category of delayed onset, secondary suicidal thoughts. It is noteworthy that in more than 80% of the sample, suicide or thoughts of death was not the initial intent and apparently developed following intervention, after the patient’s discovery of its importance as a powerful manipulative tool. (Table 1)

In Table 2 below, a number of characteristics of derma-abusers are outlined. These are observations taken from group psychotherapy and concurrence with the group therapist following the sessions.

In Table 3 above the socio-demographic characteristics of adolescents in group psychotherapy were tabularized to highlight commonalities among derma-abusers.

![Figure 1. General classification of derma abusers.](image)

**Table 1.** Categorization of derma abusers in trinidad.

<table>
<thead>
<tr>
<th>Derma-Abusers</th>
<th>Without Suicidal Intent</th>
<th>With Suicidal Intent</th>
<th>Mixed Group with later suicidal onset</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Without Suicidal Intent</strong></td>
<td>• Chronic Harmers</td>
<td>• Harmer usually fits the criteria below:</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• High Predictability</td>
<td>• Plan-distinct</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Low lethality</td>
<td>• Lethality-High</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Intense family</td>
<td>• Intent-High</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Pathology</td>
<td>• Method</td>
<td></td>
</tr>
<tr>
<td></td>
<td>• Low impulse</td>
<td>• Timing</td>
<td></td>
</tr>
<tr>
<td></td>
<td>control</td>
<td>• Intense personal</td>
<td></td>
</tr>
<tr>
<td><strong>With Suicidal Intent</strong></td>
<td></td>
<td></td>
<td>Pathology</td>
</tr>
<tr>
<td><strong>Mixed Group with later suicidal onset</strong></td>
<td></td>
<td></td>
<td>• Chronic attempters</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Any available method</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Family pathology</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Personal Pathology</td>
</tr>
</tbody>
</table>
Table 2. Characteristics of derma-abusers as recorded in group psychotherapy.

<table>
<thead>
<tr>
<th>Psychodynamics of adolescent Derma-abusers in Trinidad</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Emphasis on non-suicidal intent</td>
</tr>
<tr>
<td>2. Associated with tension reduction</td>
</tr>
<tr>
<td>3. Spontaneous overflow of emotion with low impulse control</td>
</tr>
<tr>
<td>4. Rejuvenation of loss of emotional resonance</td>
</tr>
<tr>
<td>5. Life and Death instincts- Eros and Thanatos considered</td>
</tr>
<tr>
<td>6. Reclaiming power and mastery over self and others</td>
</tr>
<tr>
<td>7. Significance of bloodletting in a socio-cultural context</td>
</tr>
<tr>
<td>8. Transgenerational dysfunctional family dynamics frequently with parental separation and sexual abuse</td>
</tr>
<tr>
<td>9. Physical and developmental disorders in early childhood</td>
</tr>
<tr>
<td>10. Morbid relationship with creativity with respect to body carving and architectural designs</td>
</tr>
<tr>
<td>11. Contemporaneous influences of youth culture</td>
</tr>
<tr>
<td>12. Reinforcement by family and help-seeking services</td>
</tr>
</tbody>
</table>

Table 3. Socio-demographic characteristics of the four (4) Patients presented in the vignettes and six (6) in group psychotherapy.

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sex</td>
<td>F</td>
<td>F</td>
<td>M</td>
<td>M</td>
<td>F</td>
<td>F</td>
<td>F</td>
<td>F</td>
<td>F</td>
<td>F</td>
</tr>
<tr>
<td>Ethnicity</td>
<td>Mixed</td>
<td>East Indian</td>
<td>East Indian</td>
<td>East Indian</td>
<td>Mixed</td>
<td>East Indian</td>
<td>Mixed</td>
<td>East Indian</td>
<td>African</td>
<td>East Indian</td>
</tr>
<tr>
<td>Religion</td>
<td>Roman Catholic</td>
<td>Roman Catholic</td>
<td>Hindu</td>
<td>Hindu</td>
<td>Roman Catholic</td>
<td>Hindu</td>
<td>Roman Catholic</td>
<td>Tertiary (University)</td>
<td>Tertiary (University)</td>
<td>Roman Catholic</td>
</tr>
<tr>
<td>Educational Level</td>
<td>Secondary (Junior)</td>
<td>Secondary (Senior)</td>
<td>Secondary (Junior)</td>
<td>Secondary (Junior)</td>
<td>Tertiary (University)</td>
<td>Tertiary (University)</td>
<td>Secondary (Junior)</td>
<td>Secondary (Junior)</td>
<td>Secondary (Junior)</td>
<td>Pentecostal</td>
</tr>
<tr>
<td>School Performance</td>
<td>Borderline</td>
<td>Fair</td>
<td>Fair</td>
<td>Poor</td>
<td>Borderline</td>
<td>Good</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
<td>Poor</td>
</tr>
<tr>
<td>Intermarriage by race/religion/nationality</td>
<td>Caucasian white &amp; Indian</td>
<td>Hindu &amp; Muslim</td>
<td>Presbyterian &amp; Hindu</td>
<td>Guyanese &amp; Trinidadian</td>
<td>Indian &amp; African</td>
<td>Indian &amp; African</td>
<td>Muslim &amp; Roman Catholic</td>
<td>Skin Cutting</td>
<td>Skin Cutting</td>
<td>Skin cutting</td>
</tr>
<tr>
<td>Method</td>
<td>Skin Cutting</td>
<td>Banging &amp; Cutting</td>
<td>Carving</td>
<td>Carving</td>
<td>Skin Cutting</td>
<td>Skin Cutting</td>
<td>Skin Cutting</td>
<td>Skin Cutting</td>
<td>Skin Cutting</td>
<td>Skin cutting</td>
</tr>
<tr>
<td>Onset of self harm</td>
<td>11</td>
<td>13</td>
<td>13</td>
<td>13</td>
<td>15</td>
<td>20</td>
<td>16</td>
<td>13</td>
<td>18</td>
<td>16</td>
</tr>
<tr>
<td>Co morbidity</td>
<td>Depression</td>
<td>Depression</td>
<td>Non</td>
<td>Non</td>
<td>Family Dysfunction</td>
<td>Depression</td>
<td>Depression</td>
<td>Childhood Epilepsy &amp; Conduct Disorder</td>
<td>Borderline Personality Disorder</td>
<td>Conduct Disorder &amp; Hypersexuality</td>
</tr>
<tr>
<td>Family history of Psychopathology</td>
<td>Bipolar disorder</td>
<td>Depression</td>
<td>Non</td>
<td>Non</td>
<td>Depression &amp; Alcohol Dependence</td>
<td>Alcohol Dependence</td>
<td>Non</td>
<td>Personality Disorder (mother)</td>
<td>Psychopath (brother)</td>
<td>Non</td>
</tr>
</tbody>
</table>

3.2. Profile of Adolescent Derma-Abusers

From the sample investigated, a general profile was deduced to represent the description of a typical derma-abusing Trinidadian adolescent. Eighty percent (80%) of the cases in Trinidad appear to be adolescent girls, ranging from ages 11 to 16 years with onset of self harm in early teenage years. They appear to be of East Indian or mixed descent of both the Roman Catholic or Hindu faith and attending Secondary School. The derma-abusing adolescent seems to have an equal chance of coming from either a nuclear or single parent family (absence of
father family there is usually a dominant parent, the mother. Their family background seems to be of mixed origin, either by religion, race or nationality and there is a history of family dysfunction and instability. Their performance at school spans the poor to borderline ranges and the individual is usually diagnosed with a depressive disorder due to relational conflicts. In some cases there is a history of Conduct Disorder in childhood.

Associated psychosocial factors are low self-esteem, body image and identity disturbances and early courtship and sexual induction. This is on a background of Trinidad and Tobago having the second highest rate of suicide in the Caribbean region and may be a precursor for such behaviour in adulthood. Different forms of derma-abrasion and derma-contusion observed among the sample were skin cutting, banging, scraping, carving, burning and branding, picking at the skin and removal of blood with instruments (pen and needles). Skin cutting was more prevalent amongst the female sample and carving with tattooing was present in all the male derma-contusion cases. It seems the intensity of the latter paints a more bravado picture of sacrifice to a loved object when compared to skin cutting by the females. Sexual drives are a major operative factor in both male and female derma-abusers.

4. DISCUSSIONS

An examination of the four (4) vignettes and six (6) cases treated in Dual Group Therapy (DGT) highlights significant commonalities in the life histories and presenting concerns of all patients. The vignettes and group psychotherapy cases presented are of adolescent individuals who began self-harm between the ages of 11 to 20, with a mean of 14.8 years and 80% between the 11-16 age group. According to the literature, studies have reinforced that individuals aged 11-25 have been known to self-injure [27].

Eighty percent (80%) of the cases discussed here were children of intermarriages by race, religion or nationality. It raises the issue of identity confusion and misunderstanding of culture and practice as it starts at the family level. The author is of the opinion that these individuals suffer from a borderline cultural state which results in their poor conceptualization of which culture they belong to. This cultural confusion in ethnicity, religion and nationality is often stratified by the environment in which one lives and can result in identity splitting and confusion. In psychodynamic terms, blood-letting can be viewed as an individual attempt to remove the bad blood or bile of their mixtures in a purging process. Durkheim’s theories of anomie, egoistical and altruistic behaviors and Erikson’s stages of development are applicable here.

On closer inspection, the precipitating cause of self-harm is strongly associated with the establishment of early relationships with sexual induction as evidenced by 70% of the cases. This holds commonalities as those purported by the Sexual Model of self-mutilation. Among the teenage population, sexual experimentation and risk taking behavior is a common aspect of this age group. With numerous coping strategies to aid in the tension reduction needed, caused by volatile partnerships, derma-contusions seemed to be prevalent. Within the present sample of self-harmers skin cutting was observed in all of the females and carving, being the derma-contusion of choice among the male cases. It seems the intensity of the latter paints a more bravado picture matching the male image, in comparison to ‘skin cutting’ portraying a slightly less gruesome, ‘romantic’ sacrifice. Though two different forms, both make the assumption of the ultimate sacrifice, bloodshed.

The cases presented underlie the occurrence of trans-generational dysfunctional family dynamics as shown in Table 3. Approximately 60% of cases report family separation, divorce, transcultural differences and family psychopathology. In the nuclear family there was invariably the presence of a dominant parent which served as a major stressor in the individuals’ life. In addition, there were high rates of psychiatric disturbances (80%) and psychosocial difficulties (100%), especially the prominence of mood disorders (40%) in individuals who self-harm within the present sample, as reported by previous studies [28]. It is likely that a substantive proportion of these patients will progress to Bipolar disease. Aggressive tendencies, emotional disorders, temper tantrums, conduct disorders and teenage angst were prevalent. The aggregate of emotions that are expected of this age group coupled by intense family psychopathology as expressed by 60% of the sample and personal psychopathology as indicated by 90% of the cases seem to be antecedents of self-harming behavior. Most of the individuals in the vignettes and group therapy cases have stated that they use these behaviors as a way of expressing anger and frustration when emotions are at a high and the overflow is unbearable, whereas some individuals self-harm to prevent suicide, or escape unwanted feelings, as indicated by the Anti Suicide Model [25,26].

As expressed by Vignette 2, she was unable to explain the situations surrounding her first skin cutting episode but was certain of the fact that she was extremely overwhelmed by anger. Since banging her fists on the wall ceased to work anymore, she upped the ante to a more punitive method that she felt helped at stressful times. In a recent interview with M.A she stated that she was faced with a situation concerning an assignment, in which she had to redo a portion that she assumed was finished. She reported that for a brief moment she felt helped at stressful times. In a recent interview with M.A. she stated that she was faced with a situation concerning an assignment, in which she had to redo a portion that she assumed was finished. She reported that for a brief moment she thought of cutting but reconsidered her actions. M.A’s behavior seemed to hold commonalities to the Affect Regulation Model of self-mutilation as she was overwhelmed by emotion. The extent of the behaviors and
meaning of their acts are unknown to them and are often
given interpretative credence in treatment. Also, their
behavior is significantly different from suicidal behavior
with intent as the individuals in these cases have made
their scars public. As suggested by Hawton [29] self
harm behavior is distinctly suicidal if the act is “planned
for, carried out and followed through in such a way as to
keep it from the notice of others.” Even though derma-
abusers may try to hide their wounds the target areas are
easily noticeable despite concealment with hand bands
or clothing.

The new found control that has been indicated by
some of the above cases and vignettes has been the main
function of the deliberate derma-contusions that are self-
inflicted. It may be apparent that the manifestation of
family psychopathology and family strife is showing
itself in adolescence as creative forms of ‘bloodletting’
as it parallels Hippocrates early assumptions of ‘purging
of bad humors.’ [30]. Seventy five percent of the cases
report their bloodletting as an addiction that they desper-
ately need to engage in with the likes of alcohol and
drugs. It seems that a derma-contusion returns it users to
an equilibrium state that is required for their existence.
This supports the underlying commonality among the
cases with the lack of suicidal intent. They perceive their
self-harming behavior as a form of rejuvenation by let-
ting the bad blood out rather than as a destruction of
body tissue.

An important observation is the predictability and
chronicity of the self-harming behavior without suicidal
intent. In most of the vignettes derma-abusers repeated
these behaviors as certain events presented in their lives,
indicative of maladaptive coping mechanisms as well as
a need to remedy the situation at the moment, suggestive
of perhaps a hopeful future. An emphasis here can be
placed on a compromise being made between life and
death instincts of psychoanalytical theory, specifically
the Anti Suicide Model. They derive pleasure not from
stereotypical pleasurable behaviors but rather from aggre-
sive, self punitive behaviors that widens the power
differential between themselves and others. In an effort
to heal, they set themselves apart from normal methods
of remedy, lending resemblance to the Boundaries model
of self-mutilation. In Vignette 4, A. P felt that he was
showing his commitment to his cause when he carved
the name of his girlfriend along his forearm. He seemed
to be giving of himself wholly in a way he probably
could not express in words as proffered by the Affect
Regulation Model of self-mutilation [25,26].

The excessive compulsion and obsessive psychologi-
cal dependence of derma-abusers seems to be cognizant
of its chronicity among the individuals inflicted with the
addiction. Fifty percent of them seem to experiment with
different methods of self-harm before the addiction of
the tool of choice develops. It seems though, when in
desperation the tool of choice may best be substituted
with an available option. As illustrated by Vignette 1, I.S
went to great lengths to conceal a piece of glass within
her clothing, and thought nothing of it as she continued
to deliberately harm herself at the hospital, even though
she found comfort using razorblades. Prior evidence of
this kind of dependent behaviour can also be seen where
she begged a relative to allow her to cut her wrist in an
attempt to equilibrate herself again.

In this study, derma-abusers were not generally in-
volved in acts with suicidal intent (Figure 1, Table 1).
The ten patients were categorized into three groups,
those without suicidal intent, those with suicide in mind
and a third category of delayed onset, secondary suicidal
thoughts. It is noteworthy that in more than 80% of the
sample, suicide or thoughts of death was not the initial
intent. These thoughts apparently developed following
intervention, on discovery that their behaviors were en-
meshed with the feelings of power and mastery over self
and others, effects on tension reduction and as a form of
revenge and hostility directed against family members.
The act itself became the most powerful manipulative
tool reinforced in a Caribbean setting with a history of
aggression, violence and more recently high murder
rates in Trinidad (Table 2).

The treatment of derma-abusers is difficult and pre-
sents a major challenge. After failure of individual ther-
apy designed along the lines of Linehan’s Dialectical
Behaviour Therapy model (DBT) [31] another method
was employed. DBT was unsuccessful for the following
reasons: Patients were too young and disturbed to ac-
dquire what Linehan calls wisemind. With respect to the
‘what’ and ‘how’ skills, they could not focus on mind-
fulness. They could not develop interpersonal effective-
ness to say no, or resist their urges of cutting and had
little distress tolerance and emotional regulation.

A novel system of Dual Group Therapy (DGT) was
devised. This is the simultaneous occurrence of two
group sessions of one and a half hours held concurrently
in two adjoining sound proof rooms of the same building
once per week. The following screening process was
instituted. First the initial interview with the patient and
the attendants in the presentation of the problem (30
minutes). In the local setting, it is customary for the en-
tire extended family, caretakers and friends to accom-
pany the patient. In the second stage, the patient was
interviewed individually (45 minutes) being allowed to
tell her story and assessing significant others in her life.
In the third stage, two significant others, determined by
the patient and therapist were asked to be seen together
with the patient. In a client centered approach, the dy-
namics of interaction of family members and patients
were observed. The therapist had to be cautious in not
ascribing blame to anyone person, attempting to avoid
confrontation and acting-out behavior commonly found
in our setting. Information on ethno-historiography, that
is, the characteristics of origin, race, culture, religion and
lifestyle were sought. This socio-cultural academic exercise presented little threat to those involved. In the final stage, an agreement (non-signed contract) was reached by the parents (caretakers) and the patient to attend two concurrently run groups namely ‘The Adolescent Group’ and ‘The Parent Support Group’. They were asked to attend for a twenty four sessions (six months) period. The third and fourth stages lasted approximately one hour with a total assessment time of two hours. Parents were given the charge of bringing the patients to the groups. Two trained psychologists conducted the groups and met together with two co-therapists who also were in the group and the psychiatrist for weekly reviews following the meetings. With shared information and emotions from both groups, a tailored management approach was devised for each patient introduced within the dynamics of group therapy.

This study investigates derma-abuse in adolescents. However, two other studies done on adults in Trinidad indicate that this practice continues into adult life. In the University sample [21,22], students in the psychology field were more prone to self-harm than those in natural sciences and engineering fields of study. It seemed the trend of cutting and derma abuse has continued into the tertiary level institution and it may be useful to investigate whether these students were derma abusers during their secondary school life, or has the behavioural pattern emerged during their University life. If the former is suggested, a reduction in numbers may be expected if early detection plans by appropriate service providers and personnel are put into place at the secondary school level.

The cases and vignettes presented are individuals who have used maladaptive coping in an attempt to remove dysfunctional events in their life. The adolescents have challenged the status quo of ‘normal behavior’ in the hope of normalizing their own lives. Their commonalities are striking and lend itself to distinct characterization of the phenomena of derma-abusing in Trinidad.

5. CONCLUSIONS

This is a preliminary study that highlights a growing problem among secondary school children in Trinidad. The author works closely with the School Supervision Unit of the Ministry of Education in Trinidad where a number of students are referred by the Guidance Officers who are not equipped to deal with the intensity of problems encountered. The behavior of these students are devastating to both fellow students and staff members alike and can undermine the spiritual and moral values of the schools’ discipline. The fact that there is an element of contagion or copy cat behavior has led many school authorities, especially those of the denominational Christian schools to perceive the problem to be one of demonical possession and it is not unusual to have these students ostracized and referred for exorcism and spiritual healing.

In the presentation of this small sample of ten patients, the intention is to demonstrate the similarities of behavior, personal and family psychopathology and dynamics. The psychopathology of the individuals and their families must be emphasized as these may be major precursors to their condition. While there is room in any institution for pastoral care and counseling, the presentation of four (4) vignettes and study of the dynamics of six (6) students in group therapy provide a better understanding of these patients and provide a psychological framework for treatment. While this paper does not address their outcome in treatment, it is necessary to recognize that in group therapy, the inclusion of non-derma abusers in groups can lead to the recruitment of deviants. Family involvement is mandatory since disturbed kids invariably come from disturbed families.

Notwithstanding the limitations of it being a small, descriptive observational study, it is however the first clinical study of this nature coming out of the Caribbean region. As highlighted in a daily newspaper two years ago as ‘a mental health crisis’ [20], it is understandable that this will be a major public health issue of adolescents in the future, especially in Trinidad and Tobago now on the threshold of first world status.

The increased attention to derma-abusing cases may be an indication of additional adolescents engaging in the behavior. So too, it can be attributed to the changing attitudes of adolescents in today’s culture as they freely engage in risky behavior. As previously stated [32], service providers may now have a more keen ability to recognize and report derma-abusing behavior with a better understanding of the dynamics involved.

6. ACKNOWLEDGEMENT

I wish to thank Dayna Mohammed of the Psychology Department of the University of the West Indies and Katija Khan, Psychologist of University of Hull in England for their useful comments and contribution to this paper.

REFERENCES


