Table.1: Distribution of socio-demographic professional characteristics of study subjects (n=102)

|  |  |
| --- | --- |
| Characteristics | No.  |
| Age groups (in years)24-3031-3536-40>40GenderMaleFemaleNationalitySaudi Non-SaudiSpecialtyMaxillofacial surgeryOral DiagnosisEndodontist & Restorative dentistryPeriodontist & Community dentistryProsthodontistPedodontist & OrthodontistOthers | 123412121234567 |

Table.2: Distribution of study subject’s responses towards the knowledge items of Stem Cell Therapies and their applications (actual responses)

|  |  |
| --- | --- |
| Knowledge items | Responses- No. (%) |
| Yes | No | Not sure |
| Stem cell are undifferentiated cellsStem cells are divided into: Embryonic and Adult stem cellsAdult stem cells have the same differentiation capacity as embryonic cellsDental stem cells have several non- dental applicationsDental stem cells were successfully isolated from:• Pulp of primary teeth• Pulp of permanent teeth• Apical papilla• Apical granuloma• Periodontal tissue• Tooth follicleDental stem cells were successfully utilized for regeneration of:• Enamel • Dentin • Cementum• Pulp• Periodontal structuresAt least 3 stem cell units are available in RiyadhResearch on Embryonic stem cells are conducted in Saudi ArabiaStem cell therapy is already applied for certain leukemia treatments in Saudi Arabia | 111111111111111111 | 222222222222222222 | 333333333333333333 |

Table.3: Distribution of study subject’s responses towards the knowledge items of Stem Cell Therapies and their applications (corrected answers)

|  |  |
| --- | --- |
| Knowledge items | Responses- No. (%) |
| Yes | No | Not sure |
| Stem cell are undifferentiated cellsStem cells are divided into: Embryonic and Adult stem cellsAdult stem cells have the same differentiation capacity as embryonic cellsDental stem cells have several non- dental applicationsDental stem cells were successfully isolated from:• Pulp of primary teeth• Pulp of permanent teeth• Apical papilla• Apical granuloma• Periodontal tissue• Tooth follicleDental stem cells were successfully utilized for regeneration of:• Enamel • Dentin • Cementum• Pulp• Periodontal structuresAt least 3 stem cell units are available in RiyadhResearch on Embryonic stem cells are conducted in Saudi ArabiaStem cell therapy is already applied for certain leukemia treatments in Saudi Arabia | 220222202202022222 | 002000020020200000 | 111111111111111111 |

Table.4: Distribution of study subject’s responses towards the sources of Stem cell information, Stem cell education, research, practice & self-description of stem cell-based knowledge

|  |  |
| --- | --- |
| Items for source of information, education, research, practice & self-description | No. (%) |
| Academic sourceUnder graduate studyPost graduate studyMass mediaInternet searchBooksJournal articlesConferences/seminars/workshopsSpecial coursesTraining/ResearchAny lectures contain stem cell informationYes-Under graduate coursesYes-Post graduate coursesNoStem cell therapy should be included in student’s undergraduate coursesStrongly agreeAgreeDisagreeStrongly disagreeStem cell therapy should be included into dental post graduate coursesStrongly agreeAgreeDisagreeStrongly disagreeStem cell lectures should be provided as extra-curricular activitiesStrongly agreeAgreeDisagreeStrongly disagreeInterested in participation in stem cell-based research YesNo Not sureIf you have removed/extracted any body tissue for medical reasons, would you agree to freely donate it for stem cell research?YesNo Not sureHow do you describe your stem cell- based Knowledge?Barely heard about stem cellsBasic knowledge onlyHave good amount of knowledge, with a Degree/specialty/ experience in the field | 111111111120123412341234123123123 |

Table.5: Distribution of ranking of responses towards the possible barriers for performing Stem cell-based research

|  |  |  |
| --- | --- | --- |
| Barriers | Responses | Ranking of barrier |
| Strongly agree | Agree | Disagree | Strongly disagree |
| Difficulties in accessibility to research center | 1 | 2 | 3 | 4 |  |
| Lack of proper facilities | 1 | 2 | 3 | 4 |  |
| Lack of well -trained technicians | 1 | 2 | 3 | 4 |  |
| Difficulty of obtaining materials | 1 | 2 | 3 | 4 |  |
| Time limitations | 1 | 2 | 3 | 4 |  |
| High Expenses | 1 | 2 | 3 | 4 |  |
| Ethical/ religious issues | 1 | 2 | 3 | 4 |  |
| The need for different type of training  | 1 | 2 | 3 | 4 |  |
| Lack of interest | 1 | 2 | 3 | 4 |  |