THE CLAIMS:

1. An arrangement of improved healing or regeneration of connective tissues, the arrangement including:

a magnetic article of linear Halbach array, including a one-sided flux magnet in which magnetic field directions within magnetic cores are alternately orthogonal along the direction of the magnetic cores, and

the magnetic article being capable of influencing the connective tissues of the area to be healed or regenerated when positioned on the area to be healed, with the multiple orthogonal magnetic fields positioned substantially across a length of the area to be healed or regenerated,

wherein the magnetic article and the multiple orthogonal magnetic fields improves healing or regeneration of the connective tissues by establishing a magnetic structure that acts as a virtual molecular scaffold for the alignment of molecules within the healing or regenerating connective tissues.

2. The arrangement for improved healing or regeneration of connective tissues of claim 1, wherein the arrangement includes a dressing, the dressing including:

a first part adapted to be applied on or about the area for healing or regeneration;

a second part, including the magnetic article of claim 1 capable of influencing the connective tissues when positioned appropriately on the first part, with the multiple orthogonal magnetic fields positioned substantially across the length of the area to be healed or regenerated; and

a third part for attaching the first and second parts to the patient and maintaining in place during the healing or regeneration,

wherein the magnetic article and created multiple orthogonal magnetic fields improves wound healing by establishing a virtual molecular scaffold for the alignment of molecules within and or around the wound.

3. The arrangement for improved healing or regeneration of connective tissues of claim 2, wherein the first part also maintains a wound in a suitable state of closure, while wound healing takes place.

4. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 3, wherein the magnetic article includes:

a body of a suitable medium; and

a magnetic means incorporated into the body for creation of multiple orthogonal magnetic fields,

wherein the article is used to act on connective tissues, and the magnetic means and the created multiple orthogonal magnetic fields improves healing or regeneration by establishing a virtual molecular scaffold for the alignment of healing or regenerating connective tissue molecules.

5. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 4, wherein the arrangement is used for an animal other than a person, to heal or regenerate connective tissue of the animal.

6. The arrangement for improved healing or regeneration of connective tissues according to claim 2 or 3, wherein the first part includes ways of closing the wound chosen from the group: paper stitches; and surgical tape.

7. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 6, wherein the magnetic article is a Halbach array of a form chosen from the following group: linear; circular; or cylindrical varied to suit the healing of different connective tissues, depending on clinical need.

8. The arrangement for improved healing or regeneration of connective tissues according to claim 4, wherein the magnetic article includes a body of a suitable medium and a magnetic means incorporated into the body, and the medium is a suitable inert medium, such as silicone.

9. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 8, wherein the magnetic influence creates multiple orthogonal magnetic fields suitable to encourage correct alignment of the collagen molecules flowing to heal the area to be healed or regenerated including a wound.

10. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 9, wherein the magnetic influence creates multiple

orthogonal magnetic fields suitable to encourage correct alignment of the proteoglycan molecules flowing to heal the area to be healed or regenerated.

11. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 10, wherein the magnetic influence creates multiple orthogonal magnetic fields suitable to encourage correct alignment of the collagen molecules flowing to heal the area to be healed or regenerated including a wound, and the proteoglycan molecules align perpendicular with the collagen fibres.

12. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 11, wherein the connective tissue is encouraged to heal with a similar alignment to healthy tissue as the multiple orthogonal magnetic fields emulate the extracellular matrix formation as in healthy tissue.

13. The arrangement for improved healing or regeneration of connective tissues accordingly to any one of claims 1 to 12, wherein the positioning of the magnetic article creates multiple orthogonal magnetic fields to create a virtual molecular scaffold for improved alignment of molecules within the connective tissue during healing.

14. The arrangement for improved healing or regeneration of connective tissue according to any one claims 1 to 13, wherein the healing occurs in only a few hours.

15. The arrangement for improved healing or regeneration of connective tissues accordingly to any one of claims 1 to 13, wherein healing occurs in less than substantially 24 to 48 hours.

16. The arrangement for improved healing or regeneration of connective tissues according to any one of claim 1, wherein only very minor or no scarring will remain after healing through use of the invention.

17. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 16, wherein three separate layers are used, a part applied to the wound or area to be healed or regenerated to close or cover the area, a magnetic containing layer containing the magnetic article, and an adhesive or attachment layer to surround the other two layers and maintain in place for healing or regeneration.

18. The arrangement for improved healing or regeneration of connective tissues, of claim 17, wherein each of these layers are made integral with one another.

19. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 18, wherein the shelf life of the magnetic article is a long time or extended shelf life.

20. The arrangement for improved healing or regeneration of connective tissues according to any one of claims 1 to 19, wherein the connective tissues to be healed or regenerated are chosen from the following group: bones; connective tissues, ligament; skin; or tendon.

21. An article and dressing for improved wound healing, the article including:

a first part adapted to be applied on or about the wound to substantially act to maintain the wound in a suitable state of closure for wound healing;
a second part including a magnetic article including a magnetic means in a body, the magnetic means including a one-sided flux magnet for creation of multiple orthogonal magnetic fields, capable of influencing the connective tissues of the wound, able to act on the wound closed by the first part;
and a third part for maintaining the first and second parts in place, during the wound healing,

wherein the magnetic means and created multiple orthogonal magnetic fields of the article for improved wound healing establishes a virtual molecular scaffold for the improved alignment of wound healing molecules, collagen and proteoglycan.

22. A dressing for improved connective tissue healing or regeneration, the dressing including:

a first part adapted to be applied on or about the area of connective tissue for healing or regeneration;
a second part including a magnetic article, including a one-sided flux magnet capable of influencing the connective tissues when positioned appropriately on the first part; and
and a third part for attaching the first and second parts to the patient and maintaining in place during the healing or regeneration,

wherein the magnetic article projects multiple orthogonal magnetic fields and the multiple orthogonal magnetic fields improves healing or regeneration by establishing a virtual

molecular scaffold for the alignment of molecules in the healing or regenerating connective tissues.

23. An article for improved healing or regeneration, the article including:

a body of a suitable medium; and

a magnetic means, including a one-sided flux magnet incorporated into the body,

wherein the article is used to act on connective tissues, and the magnetic means and created multiple orthogonal magnetic fields improves healing or regeneration by establishing a virtual molecular scaffold for the alignment of healing or regenerating connective tissue molecules.

the article is used as part of a dressing for a wound, and the magnetic means creates or projects a multiple orthogonal magnetic fields and the multiple orthogonal magnetic fields improves wound healing by establishing a virtual molecular scaffold for the wound healing molecules.